Limited Site Investigation Report

Woodside Phase 2 Project

1330 Empire Avenue, 1321, 1323, and 1361 Woodside Avenue

Park City, Summit County, Utah

February 23, 2024 | Terracon Project No. 61237401

Prepared for:
Park City Municipal Corp
Park City, Utah

6952 High Tech Drive, Suite B
Midvale, Utah 84047
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February 23, 2024

Park City Municipal Corp
PO Box 1480
445 Marsac Avenue
Park City, UT 84060

Attn: Mr. Ryan Blair
P: (385) 290-7703
E: ryan.blair@parkcity.org

Re: Limited Site Investigation
Woodside Phase 2 Project
1330 Empire Avenue, 1321, 1323, and 1361 Woodside Avenue
Park City, Summit County, Utah 84060
Terracon Project No. 61237401

Dear Mr. Blair:

Terracon is pleased to provide this report regarding the Limited Site Investigation (LSI) activities conducted at the above-referenced site. Terracon performed the LSI pursuant to our Scope of Services Proposal P61237401, dated January 16, 2024.

As fully detailed in this LSI report, the LSI results indicate that soils currently present on the site are impacted by lead and petroleum hydrocarbons above one or more regulatory screening levels. Lead impacts present at the site will need to be managed in accordance with the Park City Soils Ordinance, and future development plans at the site will need to account for management and disposal of the impacted soils. Additional delineation of the lead and petroleum hydrocarbon impacts may be warranted to further define the volume of impacted material present.

We appreciate the opportunity to have performed these services for you. Please contact our office at (801) 545-8500 if you have questions regarding this information or if we can provide any other services.

Sincerely,

Terracon Consultants, Inc.

Daniel Dean
Group Manager

Amy Austin
Authorized Project Reviewer

Executive Summary

This LSI was performed in general accordance with Terracon Consultants, Inc.'s (Terracon) Scope of Services Proposal P61237401 dated January 16, 2024. A total of seven soil borings were advanced at the site to evaluate potential releases associated with the recognized environmental conditions (RECs) and areas of environmental concern identified in the Terracon Phase I Environmental Site Assessment (ESA—Project No. 61237406) dated January 15, 2024. Soil samples were collected and analyzed in accordance with the procedures outlined in Section 3.

A summary of our "Findings, Conclusions, and Recommendations" is provided below. It should be recognized that details of the Limited Site Investigation were not included or fully developed in these sections, and the report must be read in its entirety for a comprehensive understanding of the items contained herein.

Findings

The lithology encountered at the site generally consisted of brown silt and sand with gravel up to approximately two feet below ground surface (bgs). A thin sand layer was identified at approximately two feet bgs with underlaying clay with gravel to approximately nine feet bgs followed by a tan sand with gravel to 10 feet bgs. Five of the borings were advanced to 10 feet bgs to determine if contaminants are present in the vicinity of a former railroad roundhouse identified by the Phase I ESA. Two borings were located in a soil stockpile south of the Summit County Senior Citizens Center building (Senior Center) which has an unknown origin. The soil pile borings were advanced through the pile and one foot into the underlying native soil. The soil pile consisted of fine sand and the underlying native soil consisted of sand and gravel. Groundwater was not encountered in any of the borings.

Soils from each of the borings were field-screened using a photoionization detector (PID) to indicate the presence of volatile organic compounds (VOCs). No elevated PID readings above background were recorded in the screened soils at any of the borings. Additionally, field personnel utilized an X-ray fluorescence (XRF) meter to field-screen the soil for the presence of arsenic and lead.

Two soil samples were collected from each of the five 10-foot soil borings. One sample was collected from the near surface soil or soil located immediately beneath the asphalt surfacing (B-3 and B-4). A second sample was collected from the most impacted depth intervals as determined by the field personnel utilizing PID readings, XRF meter readings, visual indicators, odors, and professional judgement. One soil sample was collected from each of the two shallow soil borings in the soil pile.

Soil samples from the borings were analyzed at the laboratory for VOCs, total petroleum hydrocarbons (TPH) in the gasoline (GRO) and diesel (DRO) ranges, total recoverable

petroleum hydrocarbons (TRPH), polycyclic aromatic hydrocarbons (PAHs), and the eight metals regulated by the Resource Conservation and Recovery Act (RCRA 8). Each analyte was compared to the applicable regulatory screening levels, which included the United States Environmental Protection Agency (EPA) Residential and Industrial Regional Screening Levels (RSLs), the Utah Department of Environmental Quality (UDEQ) Underground Storage Tank (UST) program Initial Screening Levels (ISLs) and risk-based Tier 1 Screening Levels (Tier 1), and Park City Soils Ordinance limits for lead.

Detectable concentrations of most RCRA 8 metals, TPH-DRO, TRPH, several VOC analytes, and most PAH analytes were reported in the soil samples from one or more of the borings. The reported concentrations of the following analytes exceeded their respective applicable regulatory screening levels and/or background concentrations.

- TPH-DRO exceeded the ISL at boring B-3 in near-surface soils.
- TRPH exceeded the Tier 1 screening level at boring B-3 in near-surface soils.
- Lead exceeded the EPA Industrial RSL at boring B-3 in near-surface soils. Lead concentrations at boring B-4 in near-surface soils were only 2% below the EPA Industrial RSL.
- Lead exceeded the EPA Residential RSL and Park City Soils Ordinance limit at borings P-1, P-2, B-2, B-3, and B-4. With the exception of boring B-3, these exceedances were reported only in near-surface soils.
- Arsenic exceeded the EPA Industrial RSL at all borings. However, the reported concentrations are consistent with background arsenic concentrations at the nearby Gordo site.

Conclusions

Based on field observations and analytical sample results from the soil samples collected during this LSI, the site appears to have been impacted by a release of petroleum hydrocarbons and lead. While groundwater was not assessed by this LSI, based on the type and pattern of soil impacts observed, Terracon considers it unlikely that groundwater has been impacted by the observed release.

Recommendations

The scope of the LSI was intended to assess the presence or absence of environmental impacts based upon the information developed during the project. The scope was limited to that presented in the proposal and as such was not intended to address the magnitude or extent of environmental impacts.

Because the site appears to be affected by a release of chemicals of concern at concentrations exceeding applicable risk-based screening criteria, Terracon recommends the following actions:

- Lead-impacted soils should be managed per the requirements of the Park City Soils Ordinance.
- The soil stockpile south of the Senior Center should be removed from the site.
- Additional delineation of lead and petroleum hydrocarbon impacts in the vicinity of borings B-3 and B-4 may be warranted to further define the volume of impacted material present.
- Redevelopment plans at the site should include preparation of a Materials Management Plan to ensure that impacted soils are properly handled, characterized, and disposed during construction.
- Any soils that are disturbed during any future construction or redevelopment activities that exhibit staining, noxious odors, sheens, or any other abnormalities that suggest the potential presence of contaminants, then proper procedures should be followed with respect to worker health and safety, and any impacted soil or groundwater encountered should be properly characterized, treated and/or disposed in accordance with applicable local, state, or federal regulations.

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Appendices

1.0 Site Description and Background Information

Site Name	Woodside Phase 2 Project
Site Location/Address	1330 Empire Ave., 1321, 1323, and 1361 Woodside Ave. Park City, Summit County, Utah 84060
General Site Description	The site is an approximately 1.4-acre tract of land comprised of four parcels. The site is developed with an approximately 4,300 square foot building functioning as a senior citizens center with a 30-square foot storage shed.

A Phase I Environmental Site Assessment (ESA) conducted on the subject site by Terracon identified a Recognized Environmental Condition (REC) associated with historical use of the property for a railroad roundhouse and an existing soil stockpile of unknown origin. Terracon recommended conducting a subsurface investigation to assess the identified RECs.

A Topographic Map showing the site location is included as Exhibit 1 and a Site Map indicating the sample locations is included as Exhibit 2 in Appendix A.

1.1 Standard Of Care

Terracon's services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time. Terracon makes no warranties, express or implied, regarding the findings, conclusions, or recommendations. Terracon does not warrant the work of laboratories, regulatory agencies, or other third parties supplying information used in the preparation of the report. These services were performed in accordance with the Scope of Services agreed with Park City Municipal Corp, our client, as reflected in our proposal and were not intended to be in strict conformance with ASTM E1903-19.

1.2 Additional Scope Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this Scope of Services; such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, nondetectable, or not present during these services. We cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during this LSI. Soil vapor data are subject to seasonal variability associated with environmental conditions and the effects of overlying buildings. Subsurface conditions may vary from those encountered at specific borings or wells or during other surveys, tests, assessments,

investigations, or exploratory services. The data, interpretations, findings, and our recommendations are based solely upon data obtained at the time and within the scope of these services.

1.3 Reliance

This report has been prepared for the exclusive use of Park City Municipal Corporation and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the site) is prohibited without the express written authorization of Park City Municipal Corporation and Terracon. Any unauthorized distribution or reuse is at Park City Municipal Corporation's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions, and limitations stated in the proposal, this report, and Terracon's contract with Park City Municipal Corporation. The limitation of liability defined in the terms and conditions is the aggregate limit of Terracon's liability to Park City Municipal Corporation and all relying parties unless otherwise agreed in writing.

2.0 Scope of Services

This LSI was undertaken in response to the results of our Phase I ESA report dated January 15, 2024 (Terracon Project No. 61237406) which identified the following RECs that warranted subsurface investigation to evaluate potential releases of hazardous substances:

ESA REC No. 1	Based on the reported presence of a railroad roundhouse located on the site in a 1907 Sanborn Fire Insurance Map, the potential exists for undocumented releases to have occurred, which is considered a REC.
ESA REC No. 2	An approximately 1,500 square foot area of fill soil material of unknown origin currently exists on the site.

The objective of the LSI was to evaluate the presence of chemicals of concern in soil associated with the RECs identified by the Phase I ESA.

This LSI report presents data from field activities that included the advancement of borings for the collection and analysis of soil samples for chemical analysis. The activities were conducted to assess potential impacts to the site from historical uses. The sampling and analytical program is outlined in the following table.

Sampling and Analytical Program

REC/AEC	Test Hole Designation	Total Depth (ft)	Soil Analysis
Former railroad roundhouse	B-1 to B-5	10	VOC, TPH-DRO, TPH-GRO, TRPH, PAHs, RCRA 8 metals
Fill soil pile	P-1 and P-2	5	VOC, TPH-DRO, TPH-GRO, TRPH, PAHs, RCRA 8 metals

VOC = volatile organic compounds by EPA Method 8260

TPH-DRO = total petroleum hydrocarbons gasoline range organics by EPA Method 8015

TPH-GRO = total petroleum hydrocarbons gasoline range organics by EPA Method 8260

TRPH = total recoverable petroleum hydrocarbons by EPA Method 9071/1664

PAHs = polycyclic aromatic hydrocarbons by EPA Method 8270 SIM

RCRA = Resource Conservation and Recovery Act metals by EPA Method 6020/7471/7470

3.0 Field Investigation

3.1 Safety and Subsurface Utilities

Terracon is committed to the safety of all its employees. As such, and in accordance with our Incident and Injury Free® safety goals, Terracon conducted the fieldwork under a site-specific health and safety plan. The plan identified site-specific job hazards and proper pre-task planning procedures. Work was performed using EPA Level D work attire consisting of a hard hat, high-visibility vest, safety glasses, protective gloves, and protective footwear. Terracon contacted 811 and requested location and markings for public subsurface utilities before commencing intrusive activities at the site.

3.2 Media Sampling Discussion

On January 30, 2024, a total of seven soil borings were advanced at the site for the collection of soil samples (Exhibit 2 in Appendix A). Five of the soil borings were drilled to an approximate depth of 10 feet below ground surface (bgs) in the vicinity of the former railroad roundhouse and two borings were drilled to approximately five feet to assess the condition of the soil pile. The borings were placed in specific areas of the site to address the potential environmental concerns that were identified by the Phase I ESA.

Soil samples were collected in laboratory-provided containers, properly labeled, and placed on ice in a cooler for transportation to the laboratory. The samples and completed chain-of-custody forms were relinquished under chain of custody procedures to Pace Analytical National Center for Testing & Innovation (Pace), a Utah-certified laboratory, for analysis on a standard turnaround time. Samples were submitted for analysis on standard turnaround time basis. The samples were analyzed using standard EPA or ASTM test methods, as detailed in Section 2.0.

Subsurface soil samples were analyzed for the following: volatile organic compounds, total petroleum hydrocarbons (TPH) in the gasoline and diesel ranges (GRO and DRO), total recoverable petroleum hydrocarbons (TRPH), polycyclic aromatic hydrocarbons (PAHs), and the metals regulated by the Resource Conservation and Recovery Act (RCRA 8 metals; arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver).

3.3 Geophysical Survey

Prior to sampling, a Terracon representative mobilized to the site with a geophysical professional to perform the geophysical survey at the proposed boring locations. The geophysical professional utilized ground-penetrating radar (GPR) and magnetometer survey methods to perform the survey. The purpose of the survey was to attempt to assess the presence of unmarked subsurface utilities or other related anomalies that may be present at the boring locations. The geophysical survey consisted of scanning the areas of interest first with an electromagnetic (EM) instrument followed by a GPR scan to further evaluate EM anomalies, if present.

3.4 Field Procedures

Soil borings were advanced with direct-push (“Geoprobe”) drilling equipment. The mechanized drilling services were performed by a Utah-licensed well driller, Direct Push Services. Terracon environmental personnel selected the boring locations, visually observed the drilling activities, logged the soil borings, and collected field samples.

Sampling equipment was decontaminated using an Alconox® detergent wash and potable water rinse prior to commencement of the project and between the collection of each sample. Drilling equipment was cleaned using a high-pressure washer prior to beginning the project and before beginning each soil boring.

Field Screening

During advancement of the soil borings, soils were continuously cored in 5-foot intervals and logged by Terracon to document subsurface soil types, color, relative moisture content, and sensory evidence of environmental impacts. The soil samples were field-screened using a portable Photoionization Detector (PID)—Mini Rae 2000 PID equipped with a 10.6 eV ultraviolet lamp to evaluate the potential presence of total Volatile Organic Compounds (VOCs). The unit measures total VOCs in sample headspace air relative to parts per million calibration gas equivalents in air and identified simply as “PPM” on soil boring logs. This is not a direct equivalent measurement of total VOCs, a specific contaminant in headspace air, or sample media in parts per million analytical units produced by a laboratory. PID readings are qualitative measurements used to guide sampling in the field. Additionally, Terracon screened the field-screened the soil using a portable hand-held X-ray Fluorescence (XRF) multi-element analyzer for heavy metals, specifically arsenic and lead content, utilizing an Olympus Delta Premium XRF Analyzer (Serial Number 510179) with an X-ray tube source.

Laboratory Sample Collection

Soil

Terracon collected two soil samples from each of the 10-foot soil borings; one from the near surface soil and one from the underlaying most significantly impacted depth interval based on PID readings, XRF readings, and/or other field observations indicative of soil contamination (odors, staining, etc.). One soil sample was collected from the shallow borings in the soil pile and selected based on the same field screening and observation standards. Soil samples were placed into laboratory provided containers, stored on ice and delivered to Pace National Laboratories for analysis.

3.5 Site Restoration

At the completion of field activities, Terracon abandoned the borings in general accordance with state regulations and guidelines. The borings were backfilled with bentonite chips to near surface grade, hydrated, and then completed with surface materials to match the surrounding surface.

3.6 Investigation Derived Waste

Soil cuttings were thin spread onto the ground at the site.

4.0 Field Investigation Results

4.1 Geology / Hydrogeology

The lithology encountered at the site generally consisted of brown silt and sand with gravel within the first approximately two feet below ground surface (bgs). A thin sand layer was identified at approximately two feet bgs, with underlaying clay with gravel to approximately nine feet bgs, followed by a tan sand with gravel to 10 feet bgs. Groundwater flow direction was not evaluated as part of this investigation but is presumed to generally follow site topography to the north-northwest towards Silver Creek.

4.2 Field Screening

The field screening results are presented on the boring logs found in Appendix C. No elevated PID readings above background were recorded in any of the screened soils at any of the borings. Utilizing the XRF analyzer, Terracon observed that select intervals contained elevated concentrations of lead generally located within the top five feet bgs.

5.0 Laboratory Analytical Results

The laboratory analytical report and chain-of-custody records are attached in Appendix D. The following sections describe the results of the testing. The detection of an analyte at a concentration above a screening level does not necessarily indicate an adverse impact to human health or the environment; however, an exceedance of a screening level may indicate that additional investigation or action is warranted.

5.1 Comparative Data Standards

Soil sample analytes were compared to applicable regulatory screening levels, including the EPA Residential and Industrial Regional Screening Levels (RSLs), the Utah Department of Environmental Quality (UDEQ) Initial Screening Levels (ISLs) and risk-based Tier 1 Screening Levels (Tier 1), and the Park City Soils Ordinance limit for lead.

5.2 Quality Assurance/Quality Control

Refer to Appendix D for the Laboratory Analytical Report. The lab report contains additional information regarding the sample preparation, analysis, and results that should be considered in the interpretation of the data.

Quality assurance/quality control (QA/QC) of laboratory analytical data was maintained using the following methods and procedures:

- established reporting limits (RLs) with the laboratory that meet project Data Quality Objectives (DQOs)
- laboratory QA/QC controls, such as laboratory control standard (LCS), matrix spike (MS), and matrix spike duplicate (MSD)
- collection of samples in laboratory-provided containers
- chain-of-custody protocols
- storage and transportation of samples in secured, chilled containers
- decontamination of reusable sampling equipment

Additionally, the laboratory conducts a QC of the data sets to ensure data meets data quality objectives. Terracon reviewed the laboratory report and did not identify any QC standards substantially out of the control limits and/or that would negatively impact the data. Individual data has been notated by the laboratory for specific criteria, as indicated in the report attached as Appendix D.

5.3 Soil Analytical Results

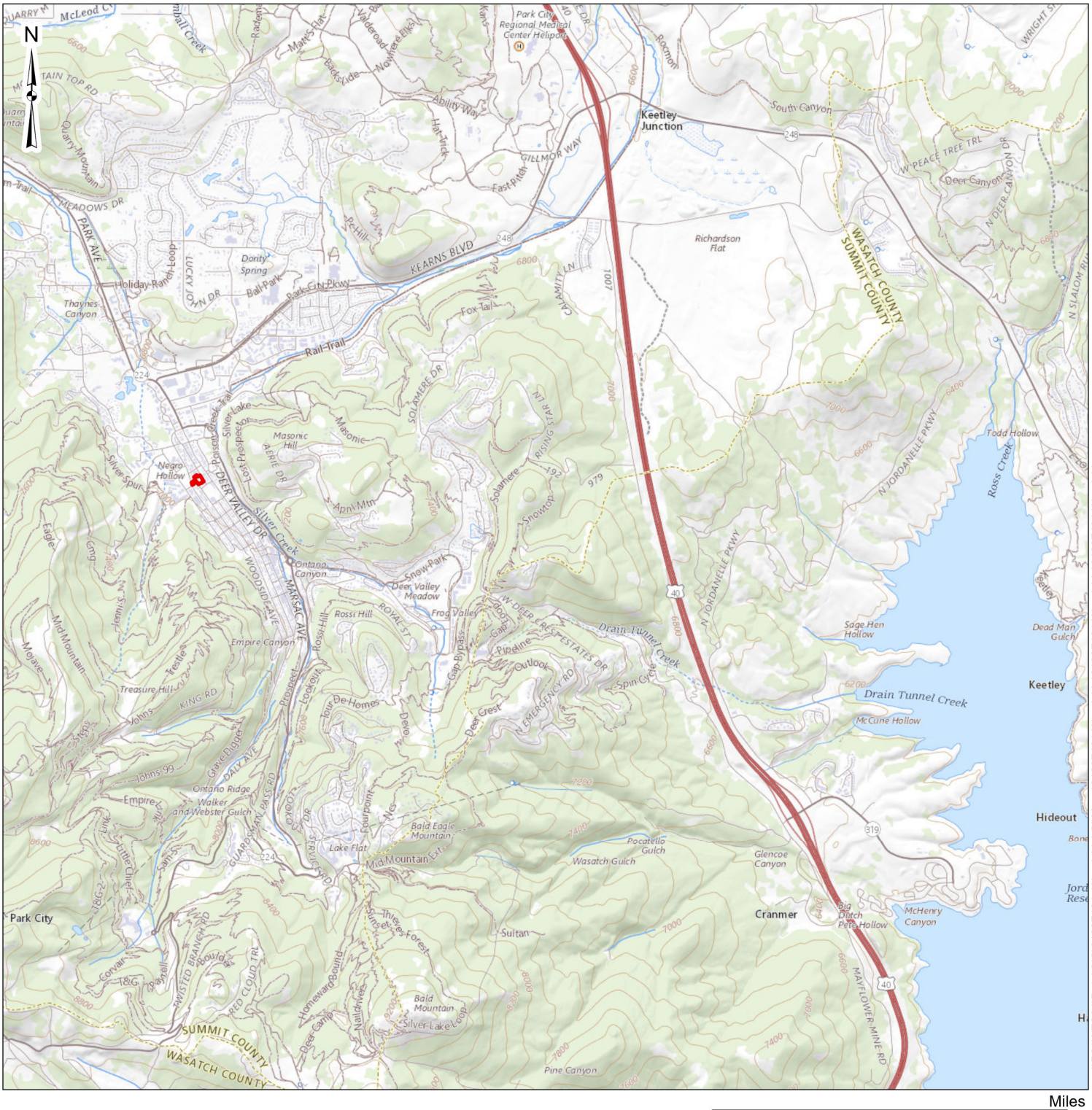
The soil analytical data and corresponding screening levels are summarized in Table 1 and Table 2 in Appendix B. Sample locations are shown on Exhibit 2 (Appendix A). Sample locations that exceeded a screening level are shown on Exhibit 3 and Exhibit 4 (Appendix A).

Detectable concentrations of most RCRA 8 metals, TPH-DRO, TRPH, several VOC analytes, and most PAH analytes were reported in the soil samples from one or more of the borings. The reported concentrations of the following analytes exceeded their respective applicable regulatory screening levels and/or background concentrations.

- TPH-DRO exceeded the ISL at boring B-3 in near-surface soils.
- TRPH exceeded the Tier 1 screening level at boring B-3 in near-surface soils.
- Lead exceeded the EPA Industrial RSL at boring B-3 in near-surface soils. Lead concentrations at boring B-4 in near-surface soils were only 2% below the EPA Industrial RSL.
- Lead exceeded the EPA Residential RSL and Park City Soils Ordinance limit at borings P-1, P-2, B-2, B-3, and B-4. With the exception of boring B-3, these exceedances were reported only in near-surface soils.
- Arsenic exceeded the EPA Industrial RSL at all borings. However, the reported concentrations are consistent with background arsenic concentrations at the nearby Gordo site.

Appendix A

Exhibits



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Project No.:	61237401
Date:	Feb 2024
Drawn By:	SJH
Reviewed By:	STM

terracon

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Midvale, Utah

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Topographic Map

Woodside Phase 2 LSI
1361 Woodside Avenue
Park City, Utah 84060

Exhibit

1

Soil Sample

- Soil Boring
- Stockpile Sample
- Soil Stockpile
- Approximate Site Boundary

Feet

0 40 80 160

DATA SOURCES:
ESRI - Basemaps

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Project No.:	61237401
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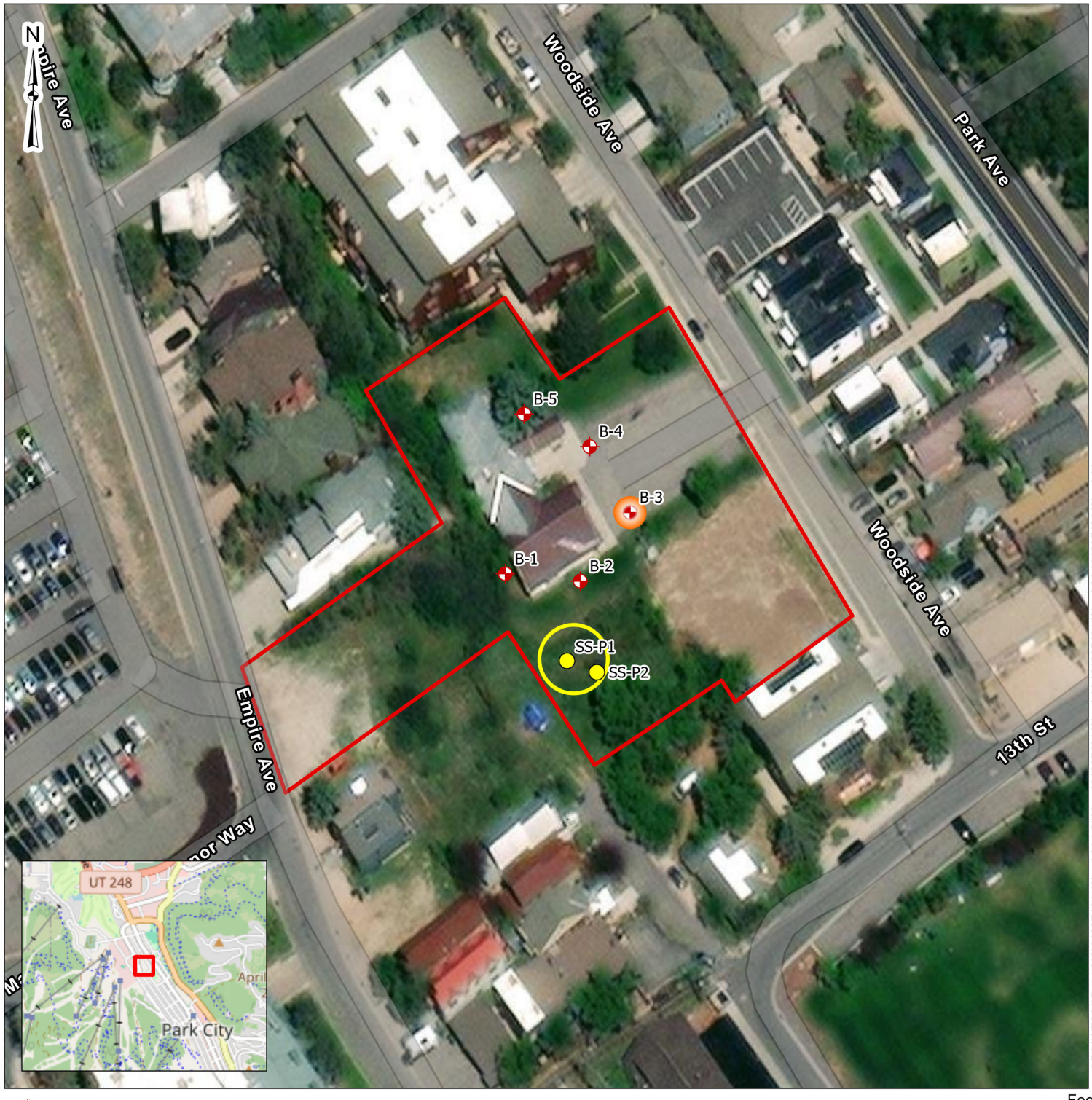
Midvale, Utah
801-545-8500 terracon.com

Site Map

Woodside Phase 2 LSI
1361 Woodside Avenue
Park City, Utah 84060

Exhibit

2



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Soil Boring
Stockpile Sample
Soil Stockpile
Approximate Site Boundary

Petroleum Hydrocarbon Exceedances in Soil

Exceeds Tier 1

Feet
0 40 80 160

DATA SOURCES:
ESRI - Basemaps

Note: B-3 @ 0.5 exceeds Utah ISL regulatory limits for TPH-DRO and Utah Tier 1 regulatory limits for TRPH

Project No.:	61237401
Date:	Feb 2024
Drawn By:	SJH
Reviewed By:	STM

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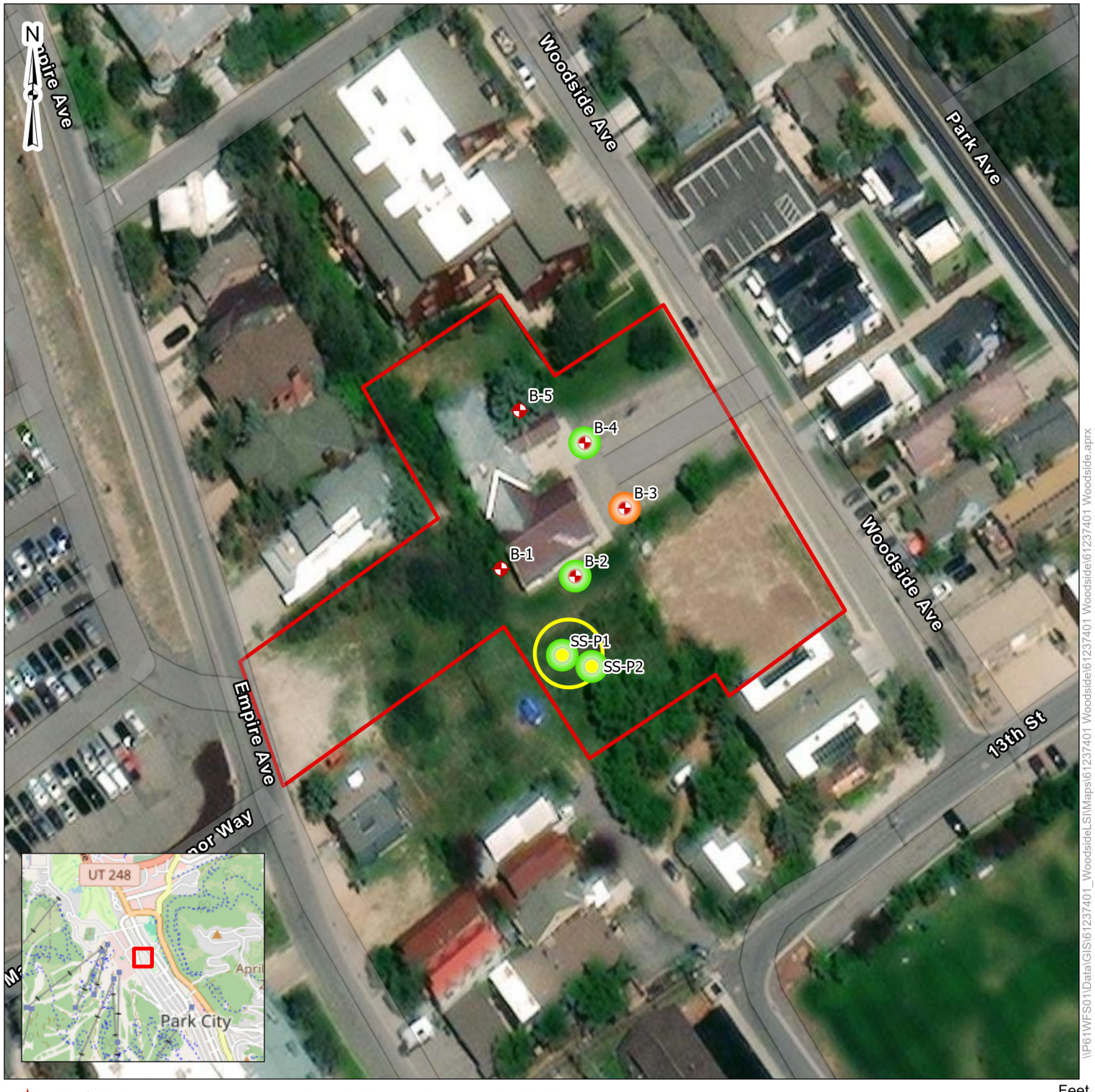
Petroleum Hydrocarbon Exceedances in Soil

Woodside Phase 2 LSI
1361 Woodside Avenue
Park City, Utah 84060

Exhibit

3



Soil Boring
Stockpile Sample
Soil Stockpile
Approximate Site Boundary

Lead Exceedances in Soil

Residential RSL
Industrial RSL

Feet
0 40 80 160

DATA SOURCES:
ESRI - Basemaps

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Project No.:	61237401
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Lead Exceedances in Soil

Woodside Phase 2 LSI
1361 Woodside Avenue
Park City, Utah 84060

Exhibit

4

Appendix B

Tables

Table 1 - Metals in Soil
Woodside LSI
1361 Woodside Avenue, Park City, Utah
Terracon Project No. 61237401

Lab Sample ID					L1701251-01				L1701251-02				L1701251-03				L1701251-04			
Client Sample ID					SS-P1 @ 0				SS-P2 @ 0				B-1 @ 0.5				B-1 @ 2.5			
Date Collected					01/30/2024				01/30/2024				01/30/2024				01/30/2024			
Analyte	**Method**	**Units**	**RSL Residential**	**RSL Industrial**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**
ARSENIC	6010B	mg/kg	**0.68**	**3**	**20.2**		0.609	2.35	**21.9**		0.625	2.41	**9.96**		0.626	2.42	**12.1**		0.606	2.34
BARIUM	6010B	mg/kg	**15,000**	**220,000**	**173**		0.1	0.588	**209**		0.103	0.603	**135**		0.103	0.604	**128**		0.0997	0.585
CADMIUM	6010B	mg/kg	**71**	**980**	**2.06**		0.0554	0.588	**2.27**		0.0568	0.603	**0.438**	J	0.0569	0.604	**0.522**	J	0.0551	0.585
CHROMIUM	6010B	mg/kg	**NE**	**NE**	**34.8**		0.156	1.18	**35**		0.16	1.21	**48.3**		0.161	1.21	**42.8**		0.156	1.17
LEAD	6010B	mg/kg	**200**	**800**	**368**		0.244	0.588	**362**		0.251	0.603	**76**		0.251	0.604	**21**		0.243	0.585
SELENIUM	6010B	mg/kg	**390**	**5,800**	**1.46**	J	0.898	2.35	**3**		0.921	2.41	<2.42		0.923	2.42	**1.61**	J	0.894	2.34
SILVER	6010B	mg/kg	**390**	**5,800**	**2.97**		0.149	1.18	**2.82**		0.153	1.21	<1.21		0.153	1.21	<1.17		0.149	1.17
MERCURY	7471A	mg/kg	**11**	**46**	**0.6**		0.0212	0.047	**1.14**		0.0217	0.0482	**0.117**		0.0217	0.0483	<0.0468		0.0211	0.0468

Qualifiers (Q):

J: The identification of the analyte is acceptable; the reported value is an estimate.

EPA RSL: Environmental Protection Agency Regional Screening Levels for soil at residential (Res.) and industrial (Ind.) properties (November 2023; TR=1E-06; THQ=1.0).

mg/kg: Milligrams per kilogram**. <:** Less than Reported Detection Limit (RDL).

Bold value exceeds Method Detection Limit (MDL). **NE** - Not Established

Color shaded value exceeds screening level.

Table 1 - Metals in Soil
Woodside LSI
1361 Woodside Avenue, Park City, Utah
Terracon Project No. 61237401

Lab Sample ID					L1701251-05				L1701251-06				L1701251-07				L1701251-08			
Client Sample ID					B-2 @ 0.5				B-2 @ 3				B-3 @ 0.5				B-3 @ 3			
Date Collected					01/30/2024				01/30/2024				01/30/2024				01/30/2024			
Analyte	**Method**	**Units**	**RSL Residential**	**RSL Industrial**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**
ARSENIC	6010B	mg/kg	**0.68**	**3**	**15.4**		0.647	2.5	**13**		0.641	2.48	**37.4**		0.538	2.08	**27.9**		0.623	2.4
BARIUM	6010B	mg/kg	**15,000**	**220,000**	**136**		0.106	0.624	**269**		0.105	0.619	**81.4**		0.0885	0.519	**219**		0.102	0.601
CADMIUM	6010B	mg/kg	**71**	**980**	**1.74**		0.0588	0.624	**2.24**		0.0583	0.619	**7.73**		0.0489	0.519	**4.11**		0.0566	0.601
CHROMIUM	6010B	mg/kg	**NE**	**NE**	**43.3**		0.166	1.25	**30.9**		0.165	1.24	**17.8**		0.138	1.04	**23.1**		0.16	1.2
LEAD	6010B	mg/kg	**200**	**800**	**248**		0.26	0.624	**147**		0.257	0.619	**1,000**		0.216	0.519	**693**		0.25	0.601
SELENIUM	6010B	mg/kg	**390**	**5,800**	<2.50		0.954	2.5	**1.29**	J	0.946	2.48	**2.74**		0.794	2.08	**2.08**	J	0.918	2.4
SILVER	6010B	mg/kg	**390**	**5,800**	**2.03**		0.159	1.25	**2.21**		0.157	1.24	**7.46**		0.132	1.04	**4.92**		0.153	1.2
MERCURY	7471A	mg/kg	**11**	**46**	**1.02**		0.0225	0.05	**1.28**		0.0223	0.0495	**0.197**		0.0187	0.0416	**1.45**		0.0216	0.0481

Qualifiers (Q):

J: The identification of the analyte is acceptable; the reported value is an estimate.

EPA RSL: Environmental Protection Agency Regional Screening Levels for soil at residential (Res.) and industrial (Ind.) properties (November 2023; TR=1E-06; THQ=1.0).

mg/kg: Milligrams per kilogram**. <:** Less than Reported Detection Limit (RDL).

Bold value exceeds Method Detection Limit (MDL). **NE** - Not Established

Color shaded value exceeds screening level.

Table 1 - Metals in Soil
Woodside LSI
1361 Woodside Avenue, Park City, Utah
Terracon Project No. 61237401

Lab Sample ID					L1701251-09				L1701251-10				L1701251-11				L1701251-12			
Client Sample ID					B-4 @ 0.5				B-4 @ 8				B-5 @ 0.5				B-5 @ 7.5			
Date Collected					01/30/2024				01/30/2024				01/30/2024				01/30/2024			
Analyte	**Method**	**Units**	**RSL Residential**	**RSL Industrial**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**
ARSENIC	6010B	mg/kg	**0.68**	**3**	**22.8**		0.632	2.44	**19.3**		0.614	2.37	**21.3**		0.629	2.43	**9.94**		0.555	2.14
BARIUM	6010B	mg/kg	**15,000**	**220,000**	**379**		0.104	0.61	**183**		0.101	0.592	**128**		0.103	0.607	**132**		0.0912	0.535
CADMIUM	6010B	mg/kg	**71**	**980**	**3.01**		0.0575	0.61	**1.26**		0.0558	0.592	**1.52**		0.0572	0.607	**0.686**		0.0504	0.535
CHROMIUM	6010B	mg/kg	**NE**	**NE**	**29.2**		0.162	1.22	**40.3**		0.158	1.18	**53.8**		0.161	1.21	**28.6**		0.142	1.07
LEAD	6010B	mg/kg	**200**	**800**	**781**		0.254	0.61	**131**		0.246	0.592	**144**		0.252	0.607	**60.2**		0.223	0.535
SELENIUM	6010B	mg/kg	**390**	**5,800**	**2.06**	J	0.932	2.44	**1.41**	J	0.905	2.37	**2.08**	J	0.927	2.43	**1.06**	J	0.818	2.14
SILVER	6010B	mg/kg	**390**	**5,800**	**4.19**		0.155	1.22	<1.18		0.15	1.18	**1.95**		0.154	1.21	<1.07		0.136	1.07
MERCURY	7471A	mg/kg	**11**	**46**	**0.864**		0.022	0.0488	<0.0474		0.0213	0.0474	**0.467**		0.0218	0.0485	<0.0428		0.0193	0.0428

Qualifiers (Q):

J: The identification of the analyte is acceptable; the reported value is an estimate.

EPA RSL: Environmental Protection Agency Regional Screening Levels for soil at residential (Res.) and industrial (Ind.) properties (November 2023; TR=1E-06; THQ=1.0).

mg/kg: Milligrams per kilogram**. <:** Less than Reported Detection Limit (RDL).

Bold value exceeds Method Detection Limit (MDL). **NE** - Not Established

Color shaded value exceeds screening level.

Table 2 - Petroleum Hydrocarbons, Volatile Organic Compounds, and Polycyclic Aromatic Hydrocarbons in Soil
Woodside LSI
1361 Woodside Ave, Park City, Utah
Terracon Project No. 61237401

Lab Sample ID							L1701251-01				L1701251-02				L1701251-03				L1701251-04				L1701251-05				L1701251-06			
Client Sample ID							SS-P1 @ 0				SS-P2 @ 0				B-1 @ 0.5				B-1 @ 2.5				B-2 @ 0.5				B-2 @ 3			
Date Collected							01/30/2024				01/30/2024				01/30/2024				01/30/2024				01/30/2024				01/30/2024			
Analyte	**Method**	**Units**	**RSL Residential**	**RSL Industrial**	**UT ISL**	**UT Tier 1**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**
TPH-DRO	8015	mg/kg	NE	NE	500	5000	**165**		1.81	9.4	**91**		1.86	9.65	**4.28**	J	0.929	4.83	**2.54**	J	0.9	4.68	**26.2**		0.96	5	**6.97**		0.952	4.95
TPH-GRO	8260B	mg/kg	NE	NE	150	1500	<0.588		0.215	0.588	<0.603		0.221	0.603	<0.604		0.221	0.604	<0.585		0.214	0.585	<0.631		0.231	0.631	<0.619		0.227	0.619
TRPH - OIL & GREASE	9071B	mg/kg	NE	NE	1000	10000	**210**		38.8	118	**143**		39.8	121	**82.7**	J	39.9	121	**105**	J	38.6	117	**124**	J	41.2	125	**111**	J	40.8	124
ACETONE	8260B	mg/kg	61000	670000	NE	NE	**0.0255**	J	0.0243	0.0588	**0.0254**	J	0.025	0.0603	<0.0604		0.025	0.0604	<0.0585		0.0242	0.0585	<0.0631		0.0261	0.0631	<0.0619		0.0256	0.0619
ACRYLONITRILE	8260B	mg/kg	0.25	1.1	NE	NE	<0.0118		0.00237	0.0118	<0.0121		0.00244	0.0121	<0.0121		0.00244	0.0121	<0.0117		0.00236	0.0117	<0.0126		0.00255	0.0126	<0.0124		0.0025	0.0124
BENZENE	8260B	mg/kg	1.2	5.1	0.2	0.9	<0.00118		0.000441	0.00118	**0.000802**	J	0.000452	0.00121	<0.00121		0.000453	0.00121	<0.00117		0.000439	0.00117	**0.000561**	J	0.000473	0.00126	**0.000557**	J	0.000464	0.00124
BROMOBENZENE	8260B	mg/kg	290	1800	NE	NE	<0.00118		0.000323	0.00118	<0.00121		0.000332	0.00121	<0.00121		0.000332	0.00121	<0.00117		0.000322	0.00117	<0.00126		0.000347	0.00126	<0.00124		0.00034	0.00124
BROMODICHLOROMETHANE	8260B	mg/kg	0.29	1.3	NE	NE	<0.00118		0.000852	0.00118	<0.00121		0.000874	0.00121	<0.00121		0.000876	0.00121	<0.00117		0.000848	0.00117	<0.00126		0.000914	0.00126	<0.00124		0.000897	0.00124
BROMOFORM	8260B	mg/kg	19	86	NE	NE	<0.00118	J3	0.000498	0.00118	<0.00121	J3	0.000511	0.00121	<0.00121	J3	0.000512	0.00121	<0.00117	J3	0.000496	0.00117	<0.00126	J3	0.000534	0.00126	<0.00124	J3	0.000525	0.00124
BROMOMETHANE	8260B	mg/kg	6.8	30	NE	NE	<0.00588	J3	0.00138	0.00588	<0.00603	J3	0.00141	0.00603	<0.00604	J3	0.00141	0.00604	<0.00585	J3	0.00137	0.00585	<0.00631	J3	0.00147	0.00631	<0.00619	J3	0.00145	0.00619
N-BUTYLBENZENE	8260B	mg/kg	3900	58000	NE	NE	<0.00118	J3	0.000303	0.00118	<0.00121	J3	0.000311	0.00121	<0.00121	J3	0.000312	0.00121	<0.00117	J3	0.000302	0.00117	<0.00126	J3	0.000326	0.00126	<0.00124	J3	0.000319	0.00124
SEC-BUTYLBENZENE	8260B	mg/kg	7800	120000	NE	NE	<0.00118		0.000236	0.00118	<0.00121		0.000242	0.00121	<0.00121		0.000243	0.00121	<0.00117		0.000235	0.00117	<0.00126		0.000254	0.00126	<0.00124		0.000249	0.00124
TERT-BUTYLBENZENE	8260B	mg/kg	7800	120000	NE	NE	<0.00118		0.000242	0.00118	<0.00121		0.000248	0.00121	<0.00121		0.000249	0.00121	<0.00117		0.000241	0.00117	<0.00126		0.00026	0.00126	<0.00124		0.000255	0.00124
CARBON TETRACHLORIDE	8260B	mg/kg	0.65	2.9	NE	NE	<0.00118	J3	0.000291	0.00118	<0.00121	J3	0.000299	0.00121	<0.00121	J3	0.0003	0.00121	<0.00117	J3	0.00029	0.00117	<0.00126	J3	0.000312	0.00126	<0.00124	J3	0.000307	0.00124
CHLOROBENZENE	8260B	mg/kg	280	1300	NE	NE	<0.00118		0.000226	0.00118	<0.00121		0.000232	0.00121	<0.00121		0.000232	0.00121	<0.00117		0.000225	0.00117	<0.00126		0.000242	0.00126	<0.00124		0.000238	0.00124
CHLORODIBROMOMETHANE	8260B	mg/kg	8.3	39	NE	NE	<0.00118		0.000263	0.00118	<0.00121		0.00027	0.00121	<0.00121		0.000271	0.00121	<0.00117		0.000262	0.00117	<0.00126		0.000282	0.00126	<0.00124		0.000277	0.00124
CHLOROETHANE	8260B	mg/kg	14000	57000	NE	NE	<0.00588		0.00118	0.00588	<0.00603		0.00121	0.00603	<0.00604		0.00121	0.00604	<0.00585		0.00117	0.00585	<0.00631		0.00126	0.00631	<0.00619		0.00124	0.00619
CHLOROFORM	8260B	mg/kg	0.32	1.4	NE	NE	<0.00588		0.00121	0.00588	<0.00603		0.00124	0.00603	<0.00604		0.00124	0.00604	<0.00585		0.00121	0.00585	<0.00631		0.0013	0.00631	<0.00619		0.00127	0.00619
CHLOROMETHANE	8260B	mg/kg	110	460	NE	NE	<0.00294		0.000764	0.00294	<0.00301		0.000784	0.00301	<0.00302		0.000785	0.00302	<0.00293		0.000761	0.00293	<0.00316		0.000819	0.00316	<0.00309		0.000805	0.00309
2-CHLOROTOLUENE	8260B	mg/kg	1600	23000	NE	NE	<0.00118		0.000264	0.00118	<0.00121		0.000271	0.00121	<0.00121		0.000272	0.00121	<0.00117		0.000263	0.00117	<0.00126		0.000283	0.00126	<0.00124		0.000278	0.00124
4-CHLOROTOLUENE	8260B	mg/kg	1600	23000	NE	NE	<0.00118		0.000812	0.00118	<0.00121		0.000833	0.00121	<0.00121		0.000835	0.00121	<0.00117		0.000809	0.00117	<0.00126		0.000872	0.00126	<0.00124		0.000855	0.00124
1,2-DIBROMO-3-CHLOROPROPANE	8260B	mg/kg	0.0053	0.064	NE	NE	*<0.00588*		0.00223	0.00588	*<0.00603*		0.00229	0.00603	*<0.00604*		0.00229	0.00604	*<0.00585*		0.00222	0.00585	*<0.00631*		0.0024	0.00631	*<0.00619*		0.00235	0.00619
1,2-DIBROMOETHANE	8260B	mg/kg	0.036	0.16	NE	NE	<0.00118		0.000294	0.00118	<0.00121		0.000301	0.00121	<0.00121		0.000302	0.00121	<0.00117		0.000293	0.00117	<0.00126		0.000316	0.00126	<0.00124		0.000309	0.00124
DIBROMOMETHANE	8260B	mg/kg	24	99	NE	NE	<0.00118		0.000411	0.00118	<0.00121		0.000422	0.00121	<0.00121		0.000423	0.00121	<0.00117		0.00041	0.00117	<0.00126		0.000441	0.00126	<0.00124		0.000433	0.00124
1,2-DICHLOROBENZENE	8260B	mg/kg	1800	9300	NE	NE	<0.00118		0.000499	0.00118	<0.00121		0.000513	0.00121	<0.00121		0.000513	0.00121	<0.00117		0.000497	0.00117	<0.00126		0.000536	0.00126	<0.00124		0.000526	0.00124
1,3-DICHLOROBENZENE	8260B	mg/kg	NE	NE	NE	NE	<0.00118		0.000705	0.00118	<0.00121		0.000724	0.00121	<0.00121		0.000725	0.00121	<0.00117		0.000702	0.00117	<0.00126		0.000757	0.00126	<0.00124		0.000743	0.00124
1,4-DICHLOROBENZENE	8260B	mg/kg	2.6	11	NE	NE	<0.00118		0.000975	0.00118	<0.00121		0.001	0.00121	<0.00121		0.001	0.00121	<0.00117		0.000971	0.00117	<0.00126		0.00105	0.00126	<0.00124		0.00103	0.00124
DICHLORODIFLUOROMETHANE	8260B	mg/kg	87	370	NE	NE	<0.00588		0.000337	0.00588	<0.00603		0.000346	0.00603	<0.00604		0.000347	0.00604	<0.00585		0.000336	0.00585	<0.00631		0.000362	0.00631	<0.00619		0.000355	0.00619
1,1-DICHLOROETHANE	8260B	mg/kg	3.6	16	NE	NE	<0.00118	J4	0.000315	0.00118	<0.00121	J4	0.000323	0.00121	<0.00121	J4	0.000324	0.00121	<0.00117	J4	0.000314	0.00117	<0.00126	J4	0.000338	0.00126	<0.00124	J4	0.000332	0.00124
1,2-DICHLOROETHANE	8260B	mg/kg	0.46	2	NE	NE	<0.00118		0.000529	0.00118	<0.00121		0.000543	0.00121	<0.00121		0.000543	0.00121	<0.00117		0.000527	0.00117	<0.00126		0.000568	0.00126	<0.00124		0.000557	0.00124
1,1-DICHLOROETHENE	8260B	mg/kg	230	1000	NE	NE	<0.00118		0.000417	0.00118	<0.00121		0.000428	0.00121	<0.00121		0.000429	0.00121	<0.00117		0.000415	0.00117	<0.00126		0.000448	0.00126	<0.00124		0.000439	0.00124
CIS-1,2-DICHLOROETHENE	8260B	mg/kg	160	2300	NE	NE	<0.00118		0.000558	0.00118	<0.00121		0.000573	0.00121	<0.00121		0.000574	0.00121	<0.00117		0.000556	0.00117	<0.00126		0.000599	0.00126	<0.00124		0.000588	0.00124
TRANS-1,2-DICHLOROETHENE	8260B	mg/kg	70	300	NE	NE	<0.00118		0.000588	0.00118	<0.00121		0.000603	0.00121	<0.00121		0.000604	0.00121	<0.00117		0.000585	0.00117	<0.00126		0.000631	0.00126	<0.00124		0.000619	0.00124
1,2-DICHLOROPROPANE	8260B	mg/kg	2.5	11	NE	NE	<0.00118	J4	0.000193	0.00118	<0.00121	J4	0.000198	0.00121	<0.00121	J4	0.000198	0.00121	<0.00117	J4	0.000192	0.00117	<0.00126	J4	0.000207	0.00126	<0.00124	J4	0.000203	0.00124
1,1-DICHLOROPROPENE	8260B	mg/kg	NE	NE	NE	NE	<0.00118		0.000441	0.00118	<0.00121		0.000452	0.00121	<0.00121		0.000453	0.00121	<0.00117		0.000439	0.00117	<0.00126		0.000473	0.00126	<0.00124		0.000464	0.00124
1,3-DICHLOROPROPANE	8260B	mg/kg	1600	23000	NE	NE	<0.00118		0.000264	0.00118	<0.00121		0.000271	0.00121	<0.00121		0.000272	0.00121	<0.00117		0.000263	0.00117	<0.00126		0.000283	0.00126	<0.00124		0.000278	0.00124
CIS-1,3-DICHLOROPROPENE	8260B	mg/kg	NE	NE	NE	NE	<0.00118		0.000499	0.00118	<0.00121		0.000513	0.00121	<0.00121		0.000513	0.00121	<0.00117		0.000497	0.00117	<0.00126		0.000536	0.00126	<0.00124		0.000526	0.00124
TRANS-1,3-DICHLOROPROPENE	8260B	mg/kg	NE	NE	NE	NE	<0.00118	J3	0.000793	0.00118	<0.00121	J3	0.000814	0.00121	<0.00121	J3	0.000815	0.00121	<0.00117	J3	0.00079	0.00117	<0.00126	J3	0.000852	0.00126	<0.00124	J3	0.000835	0.00124
2,2-DICHLOROPROPANE	8260B	mg/kg	NE	NE	NE	NE	<0.00118		0.000441	0.00118	<0.00121		0.000452	0.00121	<0.00121		0.000453	0.00121	<0.00117		0.000439	0.00117	<0.00126		0.000473	0.00126	<0.00124		0.000464	0.00124
DI-ISOPROPYL ETHER	8260B	mg/kg	2200	9400	NE	NE	<0.00118		0.00026	0.00118	<0.00121		0.000267	0.00121	<0.00121		0.000267	0.00121	<0.00117		0.000259	0.00117	<0.00126		0.000278	0.00126	<0.00124		0.000274	0.00124
ETHYLBENZENE	8260B	mg/kg	5.8	25	5	23	<0.00118		0.000353	0.00118	<0.00121		0.000362	0.00121	<0.00121		0.000362	0.00121	<0.00117		0.000351	0.00117	<0.00126		0.000378	0.00126	<0.00124		0.000371	0.00124
HEXACHLORO-1,3-BUTADIENE	8260B	mg/kg	1.2	5.3	NE	NE	<0.00118		0.000402	0.00118	<0.00121		0.000412	0.00121	<0.00121		0.000413	0.00121	<0.00117		0.0004	0.00117	<0.00126		0.000431	0.00126	<0.00124		0.000423	0.00124
ISOPROPYLBENZENE	8260B	mg/kg	1900	9900	NE	NE	<0.00118		0.000499	0.00118	<0.00121		0.000513	0.00121	<0.00121		0.000513	0.00121	<0.00117		0.000497	0.00117	<0.00126		0.000536	0.00126	<0.00124		0.000526	0.00124
P-ISOPROPYLTOLUENE	8260B	mg/kg	NE	NE	NE	NE	<0.00118		0.00024	0.00118	<0.00121		0.000246	0.00121	<0.00121		0.000246	0.00121	<0.00117		0.000239	0.00117	<0.00126		0.000257	0.00126	<0.00124		0.000252	0.00124
2-BUTANONE (MEK)	8260B	mg/kg	27000	190000	NE	NE	<0.0118		0.0055	0.0118	<0.0121		0.00564	0.0121	<0.0121		0.00565	0.0121	<0.0117		0.00548	0.0117	<0.0126		0.00591	0.0126	<0.0124		0.00579	0.0124
METHYLENE CHLORIDE	8260B	mg/kg	57	1000	NE	NE	<0.00588		0.00118	0.00588	<0.00603		0.00121	0.00603	<0.00604		0.00121	0.00604	<0.00585		0.00117	0.00585	<0.00631		0.00126	0.00631	<0.00619		0.00124	0.00619
4-METHYL-2-PENTANONE (MIBK)	8260B	mg/kg	33000	140000	NE	NE	<0.0118	J3	0.00112	0.0118	<0.0121	J3	0.00115	0.0121	<0.0121	J3	0.00115	0.0121	<0.0117	J3	0.00111	0.0117	<0.0126	J3	0.0012	0.0126	<0.0124	J3	0.00118	0.0124
METHYL TERT-BUTYL ETHER	8260B	mg/kg	47	210	0.3	0.3	<0.00118		0.000411	0.00118	<0.00121		0.000422	0.00121	<0.00121		0.000423	0.00121	<0.00117		0.00041	0.00117	<0.00126		0.000441	0.00126	<0.00124		0.000433	0.00124
NAPHTHALENE	8260B	mg/kg	2	8.6	51	51	<0.00588		0.00585	0.00588	<0.00603		0.00601	0.00603	<0.00604		0.00601	0.00604	<0.00585		0.00583	0.00585	<0.00631		0.00628	0.00631	<0.00619		0.00616	0.00619
N-PROPYLBENZENE	8260B	mg/kg	3800	24000	NE	NE	<0.00118		0.000242	0.00118	<0.00121		0.000248	0.00121	<0.00121		0.000249	0.00121	<0.00117		0.000241	0.00117	<0.00126		0.00026	0.00126	<0.00124		0.000255	0.00124
STYRENE	8260B	mg/kg	6000	35000	NE	NE	<0.00118		0.000262	0.00118	<0.00121		0.000269	0.00121	<0.00121		0.000269	0.00121	<0.00117		0.000261	0.00117	<0.00126		0.000281	0.00126	<0.00124		0.000276	0.00124
1,1,1,2-TETRACHLOROETHANE	8260B	mg/kg	2	8.8	NE	NE	<0.00118	J3	0.000348	0.00118	<0.00121	J3	0.000357	0.00121	<0.00121	J3	0.000357	0.00121	<0.00117	J3	0.000346	0.00117	<0.00126	J3	0.000373	0.00126	<0.00124	J3	0.000366	0.00124
1,1,2,2-TETRACHLOROETHANE	8260B	mg/kg	0.6	2.7	NE	NE	<0.00118		0.000271	0.00118	<0.00121		0.000279	0.00121	<0.00121		0.000279	0.00121	<0.00117		0.00027	0.00117	<0.00126		0.000291	0.00126	<0.00124		0.000286	0.00124
1,1,2-TRICHLOROTRIFLUOROETHANE	8260B	mg/kg	6700	28000	NE	NE	<0.00118		0.000501	0.00118	<0.00121		0.000514	0.00121	<0.00121		0.000514	0.00121	<0.00117		0.000499	0.00117	<0.00126		0.000537	0.00126	<0.00124		0.000527	0.00124
TETRACHLOROETHENE	8260B	mg/kg	24	100	NE	NE	<0.00118		0.000382	0.00118	<0.00121		0.000392	0.00121	<0.00121		0.000393	0.00121	<0.00117		0.00038	0.00117	<0.00126		0.00041	0.00126	<0.00124		0.000402	0.00124
TOLUENE	8260B	mg/kg	4900	47000	9	25	<0.00588		0.00145	0.00588	<0.00603		0.00148	0.00603	<0.00604		0.00149	0.00604	<0.00585		0.00144	0.00585	<0.00631		0.00155	0.00631	<0.00619		0.00152	0.00619
1,2,3-TRICHLOROBENZENE	8260B	mg/kg	63	930	NE	NE	<0.00118		0.00036	0.00118	<0.00121		0.000369	0.00121	<0.00121		0.00037	0.00121	<0.00117		0.000358	0.00117	<0.00126		0.000386	0.00126	<0.00124		0.000379	0.00124
1,2,4-TRICHLOROBENZENE	8260B	mg/kg	24	110	NE	NE	<0.00118		0.000456	0.00118	<0.00121		0.000468	0.00121	<0.00121		0.000469	0.00121	<0.00117		0.000454	0.00117	<0.00126		0.00049	0.00126	<0.00124		0.00048	0.00124
1,1,1-TRICHLOROETHANE	8260B	mg/kg	8100	36000	NE	NE	<0.00118		0.000435	0.00118	<0.00121		0.000446	0.00121	<0.00121		0.000447	0.00121	<0.00117		0.000433	0.00117	<0.00126		0.000467	0.00126	<0.00124		0.000458	0.00124
1,1,2-TRICHLOROETHANE	8260B	mg/kg	1.1	5	NE	NE	<0.00118		0.000499	0.00118	<0.00121		0.000513	0.00121	<0.00121		0.000513	0.00121	<0.00117		0.000497	0.00117	<0.00126		0.000536	0.00126	<0.00124		0.000526	0.00124
TRICHLOROETHENE	8260B	mg/kg	0.94	6	NE	NE	<0.00118		0.000235	0.00118	<0.00121		0.000241	0.00121	<0.00121		0.000242	0.00121	<0.00117		0.000234	0.00117	<0.00126		0.000252	0.00126	<0.00124		0.000248	0.00124
TRICHLOROFLUOROMETHANE	8260B	mg/kg	23000	350000	NE	NE	<0.00588		0.000418	0.00588	<0.00603		0.000429	0.00603	<0.00604		0.00043	0.00604	<0.00585		0.000417	0.00585	<0.00631		0.00045	0.00631	<0.00619		0.000441	0.00619
1,2,3-TRICHLOROPROPANE	8260B	mg/kg	0.0051	0.11	NE	NE	<0.00294		0.000287	0.00294	<0.00301		0.000294	0.00301	<0.00302		0.000295	0.00302	<0.00293		0.000286	0.00293	<0.00316		0.000307	0.00316	<0.00309		0.000302	0.00309
1,2,4-TRIMETHYLBENZENE	8260B	mg/kg	300	1800	NE	NE	<0.00118		0.000248	0.00118	<0.00121		0.000254	0.00121	<0.00121		0.000255	0.00121	<0.00117		0.000247	0.00117	<0.00126		0.000266	0.00126	<0.00124		0.000261	0.00124
1,2,3-TRIMETHYLBENZENE	8260B	mg/kg	340	2000	NE	NE	<0.00118		0.000337	0.00118	<0.00121		0.000346	0.00121	<0.00121		0.000347	0.00121	<0.00117		0.000336	0.00117	<0.00126		0.000362	0.00126	<0.00124		0.000355	0.00124
1,3,5-TRIMETHYLBENZENE	8260B	mg/kg	270	1500	NE	NE	<0.00118	J3	0.000313	0.00118	<0.00121	J3	0.000321	0.00121	<0.00121	J3	0.000321	0.00121	<0.00117	J3	0.000311	0.00117	<0.00126	J3	0.000336	0.00126	<0.00124	J3	0.000329	0.00124
VINYL CHLORIDE	8260B	mg/kg	0.059	1.7	NE	NE	<0.00118		0.000266	0.00118	<0.00121		0.000273	0.00121	<0.00121		0.000273	0.00121	<0.00117		0.000264	0.00117	<0.00126		0.000285	0.00126	<0.00124		0.00028	0.00124
XYLENES, TOTAL	8260B	mg/kg	580	2500	142	142	<0.00353		0.000588	0.00353	<0.00362		0.000603	0.00362	<0.00362		0.000604	0.00362	<0.00351		0.000585	0.00351	<0.00378		0.000631	0.00378	<0.00371		0.000619	0.00371
ANTHRACENE	8270C-SIM	mg/kg	18000	230000	NE	NE	**0.0431**		0.0027	0.00705	**0.0311**		0.00277	0.00724	**0.00374**	J	0.00278	0.00725	<0.00702		0.00269	0.00702	**0.00325**	J	0.00287	0.00749	<0.00743		0.00285	0.00743
ACENAPHTHENE	8270C-SIM	mg/kg	3600	45000	NE	NE	**0.00491**	J	0.00246	0.00705	**0.0105**		0.00252	0.00724	<0.00725		0.00252	0.00725	<0.00702		0.00245	0.00702	<0.00749		0.00261	0.00749	<0.00743		0.00259	0.00743
ACENAPHTHYLENE	8270C-SIM	mg/kg	NE	NE	NE	NE	**0.0535**		0.00254	0.00705	**0.0123**		0.0026	0.00724	**0.00512**	J	0.00261	0.00725	<0.00702		0.00253	0.00702	<0.00749		0.0027	0.00749	<0.00743		0.00267	0.00743
BENZO(A)ANTHRACENE	8270C-SIM	mg/kg	1.1	21	NE	NE	**0.0565**		0.00203	0.00705	**0.0611**		0.00209	0.00724	**0.00814**		0.00209	0.00725	<0.00702		0.00202	0.00702	**0.0078**		0.00216	0.00749	<0.00743		0.00214	0.00743
BENZO(A)PYRENE	8270C-SIM	mg/kg	0.11	2.1	NE	NE	**0.0978**		0.0021	0.00705	**0.0795**		0.00216	0.00724	**0.0197**		0.00216	0.00725	<0.00702		0.00209	0.00702	**0.0108**		0.00224	0.00749	<0.00743		0.00222	0.00743
BENZO(B)FLUORANTHENE	8270C-SIM	mg/kg	1.1	21	NE	NE	**0.125**		0.0018	0.00705	**0.0784**		0.00185	0.00724	**0.0303**		0.00185	0.00725	<0.00702		0.00179	0.00702	**0.0181**		0.00191	0.00749	**0.00248**	J	0.00189	0.00743
BENZO(G,H,I)PERYLENE	8270C-SIM	mg/kg	NE	NE	NE	NE	**0.175**		0.00208	0.00705	**0.118**		0.00213	0.00724	**0.0263**		0.00214	0.00725	<0.00702		0.00207	0.00702	**0.0145**		0.00221	0.00749	<0.00743		0.00219	0.00743
BENZO(K)FLUORANTHENE	8270C-SIM	mg/kg	11	210	NE	NE	**0.036**		0.00253	0.00705	**0.027**		0.00259	0.00724	**0.00861**		0.0026	0.00725	<0.00702		0.00252	0.00702	**0.00501**	J	0.00268	0.00749	<0.00743		0.00266	0.00743
CHRYSENE	8270C-SIM	mg/kg	110	2100	NE	NE	**0.072**		0.00273	0.00705	**0.0644**		0.0028	0.00724	**0.0118**		0.0028	0.00725	<0.00702		0.00271	0.00702	**0.0113**		0.0029	0.00749	<0.00743		0.00287	0.00743
DIBENZ(A,H)ANTHRACENE	8270C-SIM	mg/kg	0.11	2.1	NE	NE	**0.0249**		0.00202	0.00705	**0.0158**		0.00207	0.00724	**0.00558**	J	0.00208	0.00725	<0.00702		0.00201	0.00702	**0.00245**	J	0.00215	0.00749	<0.00743		0.00213	0.00743
FLUORANTHENE	8270C-SIM	mg/kg	2400	30000	NE	NE	**0.11**		0.00267	0.00705	**0.128**		0.00274	0.00724	**0.0114**		0.00274	0.00725	<0.00702		0.00266	0.00702	**0.014**		0.00283	0.00749	<0.00743		0.00281	0.00743
FLUORENE	8270C-SIM	mg/kg	2400	30000	NE	NE	<0.00705		0.00241	0.00705	**0.00767**		0.00247	0.00724	<0.00725		0.00248	0.00725	<0.00702		0.0024	0.00702	<0.00749		0.00256	0.00749	<0.00743		0.00254	0.00743
INDENO(1,2,3-CD)PYRENE	8270C-SIM	mg/kg	1.1	21	NE	NE	**0.1**		0.00213	0.00705	**0.0625**		0.00218	0.00724	**0.0196**		0.00219	0.00725	<0.00702		0.00212	0.00702	**0.00942**		0.00226	0.00749	<0.00743		0.00224	0.00743
NAPHTHALENE	8270C-SIM	mg/kg	2	8.6	51	51	**0.13**		0.0048	0.0235	**0.0725**		0.00492	0.0241	**0.0114**	J	0.00493	0.0242	<0.0234		0.00477	0.0234	**0.0225**	J	0.0051	0.025	<0.0248		0.00505	0.0248
PHENANTHRENE	8270C-SIM	mg/kg	NE	NE	NE	NE	**0.161**		0.00271	0.00705	**0.152**		0.00279	0.00724	**0.0156**		0.00279	0.00725	<0.00702		0.0027	0.00702	**0.0167**		0.00288	0.00749	<0.00743		0.00286	0.00743
PYRENE	8270C-SIM	mg/kg	1800	23000	NE	NE	**0.109**		0.00235	0.00705	**0.13**		0.00241	0.00724	**0.0145**		0.00242	0.00725	<0.00702		0.00234	0.00702	**0.0123**		0.0025	0.00749	<0.00743		0.00248	0.00743
1-METHYLNAPHTHALENE	8270C-SIM	mg/kg	18	73	NE	NE	**0.133**		0.00528	0.0235	**0.0711**		0.00541	0.0241	**0.0105**	J	0.00542	0.0242	<0.0234		0.00525	0.0234	**0.0245**	J	0.00561	0.025	<0.0248		0.00556	0.0248
2-METHYLNAPHTHALENE	8270C-SIM	mg/kg	240	3000	NE	NE	**0.179**		0.00502	0.0235	**0.107**		0.00515	0.0241	**0.0146**	J	0.00516	0.0242	<0.0234		0.005	0.0234	**0.0297**		0.00533	0.025	<0.0248		0.00529	0.0248
2-CHLORONAPHTHALENE	8270C-SIM	mg/kg	4800	60000	NE	NE	<0.0235		0.00548	0.0235	<0.0241		0.00562	0.0241	<0.0242		0.00563	0.0242	<0.0234		0.00545	0.0234	<0.0250		0.00582	0.025	<0.0248		0.00577	0.0248

Qualifiers (Q)
J: The identification of the analyte is acceptable; the reported value is an estimate.
J3: The associated batch QC was outside the established quality control range for precision.
J4: The associated batch QC was outside the established quality control range for accuracy.
EPA RSL: Environmental Protection Agency Regional Screening Levels for soil at residential (Res.) and industrial (Ind.) properties (November 2023; TR=1E-06; THQ=1.0).
Utah's Initial Screening Levels (**ISLs**) and risk-based Tier 1 Screening Levels (**Tier 1**) for petroleum releases at leaking underground storage tank sites
NE: Not Established. **<:** Less than Reported Detection Limit (RDL).
mg/kg: Milligrams per kilogram.
Bold value exceeds Method Detection Limit (MDL).
Color shaded value exceeds screening level.

Table 2 - Petroleum Hydrocarbons, Volatile Organic Compounds, and Polycyclic Aromatic Hydrocarbons in Soil
Woodside LSI
1361 Woodside Ave, Park City, Utah
Terracon Project No. 61237401

Lab Sample ID							L1701251-07				L1701251-08				L1701251-09				L1701251-10				L1701251-11				L1701251-12			
Client Sample ID							B-3 @ 0.5				B-3 @ 3				B-4 @ 0.5				B-4 @ 8				B-5 @ 0.5				B-5 @ 7.5			
Date Collected							01/30/2024				01/30/2024				01/30/2024				01/30/2024				01/30/2024				01/30/2024			
Analyte	**Method**	**Units**	**RSL Residential**	**RSL Industrial**	**UT ISL**	**UT Tier 1**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**
TPH-DRO	8015	mg/kg	NE	NE	500	5000	**2,120**		400	2080	**105**		0.924	4.81	**19.3**		0.938	4.88	**2.23**	J	0.911	4.74	**18.4**		0.933	4.85	**5.19**		0.824	4.28
TPH-GRO	8260B	mg/kg	NE	NE	150	1500	**0.283**	J	0.19	0.519	**0.25**	J	0.22	0.601	<0.610		0.223	0.61	<0.592		0.217	0.592	<0.607		0.222	0.607	<0.535		0.196	0.535
TRPH - OIL & GREASE	9071B	mg/kg	NE	NE	1000	10000	**11,500**		343	1040	**189**		39.7	120	**828**		40.3	122	<118		39.1	118	**109**	J	40	121	<107		35.3	107
ACETONE	8260B	mg/kg	61000	670000	NE	NE	<0.0519		0.0215	0.0519	**0.0707**		0.0249	0.0601	<0.0610		0.0253	0.061	<0.0592		0.0245	0.0592	**0.033**	J	0.0251	0.0607	<0.0535		0.0222	0.0535
ACRYLONITRILE	8260B	mg/kg	0.25	1.1	NE	NE	<0.0104		0.0021	0.0104	<0.0120		0.00243	0.012	<0.0122		0.00246	0.0122	<0.0118		0.00239	0.0118	<0.0121		0.00245	0.0121	<0.0107		0.00216	0.0107
BENZENE	8260B	mg/kg	1.2	5.1	0.2	0.9	**0.00412**		0.00039	0.00104	<0.00120		0.000451	0.0012	<0.00122		0.000458	0.00122	<0.00118		0.000444	0.00118	**0.000474**	J	0.000455	0.00121	<0.00107		0.000402	0.00107
BROMOBENZENE	8260B	mg/kg	290	1800	NE	NE	<0.00104		0.000286	0.00104	<0.00120		0.000331	0.0012	<0.00122		0.000336	0.00122	<0.00118		0.000326	0.00118	<0.00121		0.000334	0.00121	<0.00107		0.000294	0.00107
BROMODICHLOROMETHANE	8260B	mg/kg	0.29	1.3	NE	NE	<0.00104		0.000753	0.00104	<0.00120		0.000871	0.0012	<0.00122		0.000885	0.00122	<0.00118		0.000859	0.00118	<0.00121		0.00088	0.00121	<0.00107		0.000776	0.00107
BROMOFORM	8260B	mg/kg	19	86	NE	NE	<0.00104		0.00044	0.00104	<0.00120	J3	0.00051	0.0012	<0.00122	J3	0.000517	0.00122	<0.00118		0.000502	0.00118	<0.00121		0.000514	0.00121	<0.00107		0.000454	0.00107
BROMOMETHANE	8260B	mg/kg	6.8	30	NE	NE	<0.00519	J3	0.00122	0.00519	<0.00601	J3	0.00141	0.00601	<0.00610	J3	0.00143	0.0061	<0.00592		0.00139	0.00592	<0.00607		0.00142	0.00607	<0.00535		0.00125	0.00535
N-BUTYLBENZENE	8260B	mg/kg	3900	58000	NE	NE	<0.00104		0.000268	0.00104	<0.00120	J3	0.00031	0.0012	<0.00122	J3	0.000315	0.00122	<0.00118		0.000306	0.00118	<0.00121		0.000313	0.00121	<0.00107		0.000276	0.00107
SEC-BUTYLBENZENE	8260B	mg/kg	7800	120000	NE	NE	<0.00104		0.000209	0.00104	<0.00120		0.000242	0.0012	<0.00122		0.000245	0.00122	<0.00118		0.000238	0.00118	<0.00121		0.000244	0.00121	<0.00107		0.000215	0.00107
TERT-BUTYLBENZENE	8260B	mg/kg	7800	120000	NE	NE	<0.00104		0.000214	0.00104	<0.00120		0.000248	0.0012	<0.00122		0.000251	0.00122	<0.00118		0.000244	0.00118	<0.00121		0.00025	0.00121	<0.00107		0.000221	0.00107
CARBON TETRACHLORIDE	8260B	mg/kg	0.65	2.9	NE	NE	<0.00104	J3	0.000258	0.00104	<0.00120	J3	0.000298	0.0012	<0.00122	J3	0.000303	0.00122	<0.00118		0.000294	0.00118	<0.00121		0.000301	0.00121	<0.00107		0.000266	0.00107
CHLOROBENZENE	8260B	mg/kg	280	1300	NE	NE	<0.00104		0.000199	0.00104	<0.00120		0.000231	0.0012	<0.00122		0.000234	0.00122	<0.00118		0.000227	0.00118	<0.00121		0.000233	0.00121	<0.00107		0.000206	0.00107
CHLORODIBROMOMETHANE	8260B	mg/kg	8.3	39	NE	NE	<0.00104		0.000233	0.00104	<0.00120		0.000269	0.0012	<0.00122		0.000273	0.00122	<0.00118		0.000265	0.00118	<0.00121		0.000272	0.00121	<0.00107		0.00024	0.00107
CHLOROETHANE	8260B	mg/kg	14000	57000	NE	NE	<0.00519		0.00104	0.00519	<0.00601		0.0012	0.00601	<0.00610		0.00122	0.0061	<0.00592		0.00118	0.00592	<0.00607		0.00121	0.00607	<0.00535		0.00107	0.00535
CHLOROFORM	8260B	mg/kg	0.32	1.4	NE	NE	<0.00519		0.00107	0.00519	<0.00601		0.00124	0.00601	<0.00610		0.00126	0.0061	<0.00592		0.00122	0.00592	<0.00607		0.00125	0.00607	<0.00535		0.0011	0.00535
CHLOROMETHANE	8260B	mg/kg	110	460	NE	NE	<0.00260		0.000675	0.0026	<0.00300		0.000781	0.003	<0.00305		0.000793	0.00305	<0.00296		0.00077	0.00296	<0.00303		0.000789	0.00303	<0.00268		0.000696	0.00268
2-CHLOROTOLUENE	8260B	mg/kg	1600	23000	NE	NE	<0.00104		0.000234	0.00104	<0.00120		0.00027	0.0012	<0.00122		0.000275	0.00122	<0.00118		0.000267	0.00118	<0.00121		0.000273	0.00121	<0.00107		0.000241	0.00107
4-CHLOROTOLUENE	8260B	mg/kg	1600	23000	NE	NE	<0.00104		0.000718	0.00104	<0.00120		0.000831	0.0012	<0.00122		0.000843	0.00122	<0.00118		0.000819	0.00118	<0.00121		0.000838	0.00121	<0.00107		0.00074	0.00107
1,2-DIBROMO-3-CHLOROPROPANE	8260B	mg/kg	0.0053	0.064	NE	NE	<0.00519		0.00197	0.00519	*<0.00601*		0.00228	0.00601	*<0.00610*		0.00232	0.0061	*<0.00592*		0.00225	0.00592	*<0.00607*		0.00231	0.00607	*<0.00535*		0.00203	0.00535
1,2-DIBROMOETHANE	8260B	mg/kg	0.036	0.16	NE	NE	<0.00104		0.00026	0.00104	<0.00120		0.0003	0.0012	<0.00122		0.000305	0.00122	<0.00118		0.000296	0.00118	<0.00121		0.000303	0.00121	<0.00107		0.000268	0.00107
DIBROMOMETHANE	8260B	mg/kg	24	99	NE	NE	<0.00104		0.000364	0.00104	<0.00120		0.000421	0.0012	<0.00122		0.000427	0.00122	<0.00118		0.000415	0.00118	<0.00121		0.000425	0.00121	<0.00107		0.000375	0.00107
1,2-DICHLOROBENZENE	8260B	mg/kg	1800	9300	NE	NE	<0.00104		0.000441	0.00104	<0.00120		0.000511	0.0012	<0.00122		0.000519	0.00122	<0.00118		0.000504	0.00118	<0.00121		0.000516	0.00121	<0.00107		0.000455	0.00107
1,3-DICHLOROBENZENE	8260B	mg/kg	NE	NE	NE	NE	<0.00104		0.000623	0.00104	<0.00120		0.000721	0.0012	<0.00122		0.000732	0.00122	<0.00118		0.000711	0.00118	<0.00121		0.000728	0.00121	<0.00107		0.000643	0.00107
1,4-DICHLOROBENZENE	8260B	mg/kg	2.6	11	NE	NE	<0.00104		0.000862	0.00104	<0.00120		0.000998	0.0012	<0.00122		0.00101	0.00122	<0.00118		0.000983	0.00118	<0.00121		0.00101	0.00121	<0.00107		0.000889	0.00107
DICHLORODIFLUOROMETHANE	8260B	mg/kg	87	370	NE	NE	<0.00519		0.000298	0.00519	<0.00601		0.000345	0.00601	<0.00610		0.00035	0.0061	<0.00592		0.00034	0.00592	<0.00607		0.000348	0.00607	<0.00535		0.000307	0.00535
1,1-DICHLOROETHANE	8260B	mg/kg	3.6	16	NE	NE	<0.00104	J4	0.000278	0.00104	<0.00120	J4	0.000322	0.0012	<0.00122	J4	0.000327	0.00122	<0.00118	J4	0.000318	0.00118	<0.00121	J4	0.000325	0.00121	<0.00107	J4	0.000287	0.00107
1,2-DICHLOROETHANE	8260B	mg/kg	0.46	2	NE	NE	<0.00104		0.000467	0.00104	<0.00120		0.000541	0.0012	<0.00122		0.000549	0.00122	<0.00118		0.000533	0.00118	<0.00121		0.000546	0.00121	<0.00107		0.000482	0.00107
1,1-DICHLOROETHENE	8260B	mg/kg	230	1000	NE	NE	<0.00104		0.000369	0.00104	<0.00120		0.000427	0.0012	<0.00122		0.000433	0.00122	<0.00118		0.000421	0.00118	<0.00121		0.000431	0.00121	<0.00107		0.00038	0.00107
CIS-1,2-DICHLOROETHENE	8260B	mg/kg	160	2300	NE	NE	<0.00104		0.000493	0.00104	<0.00120		0.000571	0.0012	<0.00122		0.00058	0.00122	<0.00118		0.000563	0.00118	<0.00121		0.000576	0.00121	<0.00107		0.000509	0.00107
TRANS-1,2-DICHLOROETHENE	8260B	mg/kg	70	300	NE	NE	<0.00104		0.000519	0.00104	<0.00120		0.000601	0.0012	<0.00122		0.00061	0.00122	<0.00118		0.000592	0.00118	<0.00121		0.000607	0.00121	<0.00107		0.000535	0.00107
1,2-DICHLOROPROPANE	8260B	mg/kg	2.5	11	NE	NE	<0.00104	J4	0.00017	0.00104	<0.00120	J4	0.000197	0.0012	<0.00122	J4	0.0002	0.00122	<0.00118		0.000194	0.00118	<0.00121		0.000199	0.00121	<0.00107		0.000176	0.00107
1,1-DICHLOROPROPENE	8260B	mg/kg	NE	NE	NE	NE	<0.00104		0.00039	0.00104	<0.00120		0.000451	0.0012	<0.00122		0.000458	0.00122	<0.00118		0.000444	0.00118	<0.00121		0.000455	0.00121	<0.00107		0.000402	0.00107
1,3-DICHLOROPROPANE	8260B	mg/kg	1600	23000	NE	NE	<0.00104		0.000234	0.00104	<0.00120		0.00027	0.0012	<0.00122		0.000275	0.00122	<0.00118		0.000267	0.00118	<0.00121		0.000273	0.00121	<0.00107		0.000241	0.00107
CIS-1,3-DICHLOROPROPENE	8260B	mg/kg	NE	NE	NE	NE	<0.00104		0.000441	0.00104	<0.00120		0.000511	0.0012	<0.00122		0.000519	0.00122	<0.00118		0.000504	0.00118	<0.00121		0.000516	0.00121	<0.00107		0.000455	0.00107
TRANS-1,3-DICHLOROPROPENE	8260B	mg/kg	NE	NE	NE	NE	<0.00104		0.000701	0.00104	<0.00120	J3	0.000811	0.0012	<0.00122	J3	0.000824	0.00122	<0.00118		0.0008	0.00118	<0.00121		0.000819	0.00121	<0.00107		0.000723	0.00107
2,2-DICHLOROPROPANE	8260B	mg/kg	NE	NE	NE	NE	<0.00104		0.00039	0.00104	<0.00120		0.000451	0.0012	<0.00122		0.000458	0.00122	<0.00118		0.000444	0.00118	<0.00121		0.000455	0.00121	<0.00107		0.000402	0.00107
DI-ISOPROPYL ETHER	8260B	mg/kg	2200	9400	NE	NE	<0.00104		0.00023	0.00104	<0.00120		0.000266	0.0012	<0.00122		0.00027	0.00122	<0.00118		0.000262	0.00118	<0.00121		0.000268	0.00121	<0.00107		0.000237	0.00107
ETHYLBENZENE	8260B	mg/kg	5.8	25	5	23	**0.00303**		0.000312	0.00104	<0.00120		0.000361	0.0012	<0.00122		0.000366	0.00122	<0.00118		0.000355	0.00118	<0.00121		0.000364	0.00121	<0.00107		0.000321	0.00107
HEXACHLORO-1,3-BUTADIENE	8260B	mg/kg	1.2	5.3	NE	NE	<0.00104		0.000355	0.00104	<0.00120		0.000411	0.0012	<0.00122		0.000417	0.00122	<0.00118		0.000405	0.00118	<0.00121		0.000415	0.00121	<0.00107		0.000366	0.00107
ISOPROPYLBENZENE	8260B	mg/kg	1900	9900	NE	NE	<0.00104		0.000441	0.00104	<0.00120		0.000511	0.0012	<0.00122		0.000519	0.00122	<0.00118		0.000504	0.00118	<0.00121		0.000516	0.00121	<0.00107		0.000455	0.00107
P-ISOPROPYLTOLUENE	8260B	mg/kg	NE	NE	NE	NE	<0.00104		0.000212	0.00104	<0.00120		0.000245	0.0012	<0.00122		0.000249	0.00122	<0.00118		0.000242	0.00118	**0.000364**	J	0.000248	0.00121	<0.00107		0.000218	0.00107
2-BUTANONE (MEK)	8260B	mg/kg	27000	190000	NE	NE	**0.0106**		0.00486	0.0104	**0.0138**		0.00562	0.012	<0.0122		0.00571	0.0122	<0.0118		0.00555	0.0118	<0.0121		0.00568	0.0121	<0.0107		0.00501	0.0107
METHYLENE CHLORIDE	8260B	mg/kg	57	1000	NE	NE	**0.00145**	J	0.00104	0.00519	<0.00601		0.0012	0.00601	<0.00610		0.00122	0.0061	<0.00592		0.00118	0.00592	<0.00607		0.00121	0.00607	<0.00535		0.00107	0.00535
4-METHYL-2-PENTANONE (MIBK)	8260B	mg/kg	33000	140000	NE	NE	<0.0104		0.000987	0.0104	<0.0120	J3	0.00114	0.012	<0.0122	J3	0.00116	0.0122	<0.0118		0.00113	0.0118	<0.0121		0.00115	0.0121	<0.0107		0.00102	0.0107
METHYL TERT-BUTYL ETHER	8260B	mg/kg	47	210	0.3	0.3	<0.00104		0.000364	0.00104	<0.00120		0.000421	0.0012	<0.00122		0.000427	0.00122	<0.00120		0.000418	0.0012	<0.00123		0.000428	0.00123	<0.00107		0.000375	0.00107
NAPHTHALENE	8260B	mg/kg	2	8.6	51	51	<0.00519		0.00517	0.00519	<0.00601		0.00599	0.00601	<0.00610		0.00608	0.0061	<0.00592		0.0059	0.00592	<0.00607		0.00604	0.00607	<0.00535		0.00533	0.00535
N-PROPYLBENZENE	8260B	mg/kg	3800	24000	NE	NE	<0.00104		0.000214	0.00104	<0.00120		0.000248	0.0012	<0.00122		0.000251	0.00122	<0.00118		0.000244	0.00118	<0.00121		0.00025	0.00121	<0.00107		0.000221	0.00107
STYRENE	8260B	mg/kg	6000	35000	NE	NE	<0.00104		0.000232	0.00104	<0.00120		0.000268	0.0012	<0.00122		0.000272	0.00122	<0.00118		0.000264	0.00118	<0.00121		0.000271	0.00121	<0.00107		0.000239	0.00107
1,1,1,2-TETRACHLOROETHANE	8260B	mg/kg	2	8.8	NE	NE	<0.00104		0.000307	0.00104	<0.00120	J3	0.000356	0.0012	<0.00122	J3	0.000361	0.00122	<0.00118		0.000351	0.00118	<0.00121		0.000359	0.00121	<0.00107		0.000317	0.00107
1,1,2,2-TETRACHLOROETHANE	8260B	mg/kg	0.6	2.7	NE	NE	<0.00104		0.00024	0.00104	<0.00120		0.000278	0.0012	<0.00122		0.000282	0.00122	<0.00118		0.000274	0.00118	<0.00121		0.00028	0.00121	<0.00107		0.000247	0.00107
1,1,2-TRICHLOROTRIFLUOROETHANE	8260B	mg/kg	6700	28000	NE	NE	<0.00104		0.000443	0.00104	<0.00120		0.000512	0.0012	<0.00122		0.00052	0.00122	<0.00118		0.000505	0.00118	<0.00121		0.000517	0.00121	<0.00107		0.000456	0.00107
TETRACHLOROETHENE	8260B	mg/kg	24	100	NE	NE	<0.00104		0.000338	0.00104	<0.00120		0.000391	0.0012	<0.00122		0.000397	0.00122	<0.00118		0.000385	0.00118	<0.00121		0.000394	0.00121	<0.00107		0.000348	0.00107
TOLUENE	8260B	mg/kg	4900	47000	9	25	**0.00293**	J	0.00128	0.00519	<0.00601		0.00148	0.00601	<0.00610		0.0015	0.0061	<0.00592		0.00146	0.00592	<0.00607		0.00149	0.00607	<0.00535		0.00132	0.00535
1,2,3-TRICHLOROBENZENE	8260B	mg/kg	63	930	NE	NE	<0.00104		0.000318	0.00104	<0.00120		0.000368	0.0012	<0.00122		0.000373	0.00122	<0.00118		0.000363	0.00118	<0.00121		0.000371	0.00121	<0.00107		0.000328	0.00107
1,2,4-TRICHLOROBENZENE	8260B	mg/kg	24	110	NE	NE	<0.00104		0.000403	0.00104	<0.00120		0.000466	0.0012	<0.00122		0.000473	0.00122	<0.00118		0.00046	0.00118	<0.00121		0.000471	0.00121	<0.00107		0.000416	0.00107
1,1,1-TRICHLOROETHANE	8260B	mg/kg	8100	36000	NE	NE	<0.00104		0.000384	0.00104	<0.00120		0.000445	0.0012	<0.00122		0.000451	0.00122	<0.00118		0.000438	0.00118	<0.00121		0.000449	0.00121	<0.00107		0.000396	0.00107
1,1,2-TRICHLOROETHANE	8260B	mg/kg	1.1	5	NE	NE	<0.00104		0.000441	0.00104	<0.00120		0.000511	0.0012	<0.00122		0.000519	0.00122	<0.00118		0.000504	0.00118	<0.00121		0.000516	0.00121	<0.00107		0.000455	0.00107
TRICHLOROETHENE	8260B	mg/kg	0.94	6	NE	NE	<0.00104		0.000208	0.00104	<0.00120		0.00024	0.0012	<0.00122		0.000244	0.00122	<0.00118		0.000237	0.00118	<0.00121		0.000243	0.00121	<0.00107		0.000214	0.00107
TRICHLOROFLUOROMETHANE	8260B	mg/kg	23000	350000	NE	NE	<0.00519		0.00037	0.00519	<0.00601		0.000428	0.00601	<0.00610		0.000434	0.0061	<0.00592		0.000422	0.00592	<0.00607		0.000432	0.00607	<0.00535		0.000381	0.00535
1,2,3-TRICHLOROPROPANE	8260B	mg/kg	0.0051	0.11	NE	NE	<0.00260		0.000253	0.0026	<0.00300		0.000293	0.003	<0.00305		0.000298	0.00305	<0.00296		0.000289	0.00296	<0.00303		0.000296	0.00303	<0.00268		0.000261	0.00268
1,2,4-TRIMETHYLBENZENE	8260B	mg/kg	300	1800	NE	NE	**0.000329**	J	0.000219	0.00104	<0.00120		0.000254	0.0012	<0.00122		0.000257	0.00122	<0.00118		0.00025	0.00118	<0.00121		0.000256	0.00121	<0.00107		0.000226	0.00107
1,2,3-TRIMETHYLBENZENE	8260B	mg/kg	340	2000	NE	NE	<0.00104		0.000298	0.00104	<0.00120		0.000345	0.0012	<0.00122		0.00035	0.00122	<0.00118		0.00034	0.00118	<0.00121		0.000348	0.00121	<0.00107		0.000307	0.00107
1,3,5-TRIMETHYLBENZENE	8260B	mg/kg	270	1500	NE	NE	<0.00104		0.000276	0.00104	<0.00120	J3	0.00032	0.0012	<0.00122	J3	0.000325	0.00122	<0.00118		0.000315	0.00118	<0.00121		0.000323	0.00121	<0.00107		0.000285	0.00107
VINYL CHLORIDE	8260B	mg/kg	0.059	1.7	NE	NE	<0.00104		0.000235	0.00104	<0.00120		0.000272	0.0012	<0.00122		0.000276	0.00122	<0.00118		0.000268	0.00118	<0.00121		0.000274	0.00121	<0.00107		0.000242	0.00107
XYLENES, TOTAL	8260B	mg/kg	580	2500	142	142	**0.0166**		0.000519	0.00312	<0.00361		0.000601	0.00361	<0.00366		0.00061	0.00366	<0.00355		0.000592	0.00355	<0.00364		0.000607	0.00364	<0.00321		0.000535	0.00321
ANTHRACENE	8270C-SIM	mg/kg	18000	230000	NE	NE	<0.00623		0.00239	0.00623	**0.0214**		0.00276	0.00721	**0.0151**		0.00281	0.00732	<0.00711		0.00273	0.00711	<0.00728		0.00279	0.00728	<0.00643		0.00246	0.00643
ACENAPHTHENE	8270C-SIM	mg/kg	3600	45000	NE	NE	<0.00623		0.00217	0.00623	**0.00487**	J	0.00251	0.00721	<0.00732		0.00255	0.00732	<0.00711		0.00248	0.00711	<0.00728		0.00254	0.00728	<0.00643		0.00224	0.00643
ACENAPHTHYLENE	8270C-SIM	mg/kg	NE	NE	NE	NE	<0.00623		0.00224	0.00623	<0.00721		0.0026	0.00721	**0.0126**		0.00264	0.00732	<0.00711		0.00256	0.00711	<0.00728		0.00262	0.00728	<0.00643		0.00231	0.00643
BENZO(A)ANTHRACENE	8270C-SIM	mg/kg	1.1	21	NE	NE	<0.0623		0.018	0.0623	**0.0278**		0.00208	0.00721	**0.0171**		0.00211	0.00732	<0.00711		0.00205	0.00711	**0.00256**	J	0.0021	0.00728	<0.00643		0.00185	0.00643
BENZO(A)PYRENE	8270C-SIM	mg/kg	0.11	2.1	NE	NE	**0.0725**		0.0186	0.0623	**0.0192**		0.00215	0.00721	**0.0863**		0.00218	0.00732	<0.00711		0.00212	0.00711	**0.00235**	J	0.00217	0.00728	<0.00643		0.00192	0.00643
BENZO(B)FLUORANTHENE	8270C-SIM	mg/kg	1.1	21	NE	NE	**0.105**		0.0159	0.0623	**0.0264**		0.00184	0.00721	**0.0783**		0.00187	0.00732	<0.00711		0.00181	0.00711	**0.00326**	J	0.00186	0.00728	<0.00643		0.00164	0.00643
BENZO(G,H,I)PERYLENE	8270C-SIM	mg/kg	NE	NE	NE	NE	**0.153**		0.0184	0.0623	**0.0149**		0.00213	0.00721	**0.482**		0.00216	0.00732	<0.00711		0.0021	0.00711	<0.00728		0.00215	0.00728	<0.00643		0.0019	0.00643
BENZO(K)FLUORANTHENE	8270C-SIM	mg/kg	11	210	NE	NE	<0.0623		0.0223	0.0623	**0.00781**		0.00258	0.00721	**0.0236**		0.00262	0.00732	<0.00711		0.00255	0.00711	<0.00728		0.00261	0.00728	<0.00643		0.0023	0.00643
CHRYSENE	8270C-SIM	mg/kg	110	2100	NE	NE	**0.399**		0.0241	0.0623	**0.0312**		0.00279	0.00721	**0.0338**		0.00283	0.00732	<0.00711		0.00275	0.00711	**0.00313**	J	0.00282	0.00728	<0.00643		0.00248	0.00643
DIBENZ(A,H)ANTHRACENE	8270C-SIM	mg/kg	0.11	2.1	NE	NE	**0.055**	J	0.0179	0.0623	<0.00721		0.00207	0.00721	**0.037**		0.0021	0.00732	<0.00711		0.00204	0.00711	<0.00728		0.00209	0.00728	<0.00643		0.00184	0.00643
FLUORANTHENE	8270C-SIM	mg/kg	2400	30000	NE	NE	**0.0164**		0.00236	0.00623	**0.0531**		0.00273	0.00721	**0.016**		0.00277	0.00732	<0.00711		0.00269	0.00711	**0.00496**	J	0.00275	0.00728	<0.00643		0.00243	0.00643
FLUORENE	8270C-SIM	mg/kg	2400	30000	NE	NE	<0.00623		0.00213	0.00623	**0.00984**		0.00246	0.00721	<0.00732		0.0025	0.00732	<0.00711		0.00243	0.00711	<0.00728		0.00249	0.00728	<0.00643		0.0022	0.00643
INDENO(1,2,3-CD)PYRENE	8270C-SIM	mg/kg	1.1	21	NE	NE	**0.0271**	J	0.0188	0.0623	**0.0149**		0.00218	0.00721	**0.182**		0.00221	0.00732	<0.00711		0.00214	0.00711	<0.00728		0.0022	0.00728	<0.00643		0.00194	0.00643
NAPHTHALENE	8270C-SIM	mg/kg	2	8.6	51	51	<0.0208		0.00424	0.0208	**0.0823**		0.0049	0.024	**0.0744**		0.00498	0.0244	<0.0237		0.00483	0.0237	**0.0124**	J	0.00495	0.0243	<0.0214		0.00437	0.0214
PHENANTHRENE	8270C-SIM	mg/kg	NE	NE	NE	NE	**0.0251**		0.0024	0.00623	**0.0841**		0.00278	0.00721	**0.0251**		0.00282	0.00732	<0.00711		0.00274	0.00711	**0.00811**		0.0028	0.00728	<0.00643		0.00247	0.00643
PYRENE	8270C-SIM	mg/kg	1800	23000	NE	NE	**0.119**		0.0208	0.0623	**0.0477**		0.0024	0.00721	**0.0211**		0.00244	0.00732	<0.00711		0.00237	0.00711	**0.00518**	J	0.00243	0.00728	<0.00643		0.00214	0.00643
1-METHYLNAPHTHALENE	8270C-SIM	mg/kg	18	73	NE	NE	<0.0208		0.00466	0.0208	**0.162**		0.0054	0.024	**0.0499**		0.00548	0.0244	<0.0237		0.00532	0.0237	**0.0148**	J	0.00545	0.0243	<0.0214		0.00481	0.0214
2-METHYLNAPHTHALENE	8270C-SIM	mg/kg	240	3000	NE	NE	<0.0208		0.00444	0.0208	**0.148**		0.00513	0.024	**0.0569**		0.00521	0.0244	<0.0237		0.00506	0.0237	**0.0164**	J	0.00518	0.0243	<0.0214		0.00457	0.0214
2-CHLORONAPHTHALENE	8270C-SIM	mg/kg	4800	60000	NE	NE	<0.0208		0.00484	0.0208	<0.0240		0.0056	0.024	<0.0244		0.00569	0.0244	<0.0237		0.00552	0.0237	<0.0243		0.00565	0.0243	<0.0214		0.00499	0.0214

Qualifiers (Q)
J: The identification of the analyte is acceptable; the reported value is an estimate.
J3: The associated batch QC was outside the established quality control range for precision.
J4: The associated batch QC was outside the established quality control range for accuracy.
EPA RSL: Environmental Protection Agency Regional Screening Levels for soil at residential (Res.) and industrial (Ind.) properties (November 2023 THQ=1.0).
Utah's Initial Screening Levels (**ISLs**) and risk-based Tier 1 Screening Levels (**Tier 1**) for petroleum releases at leaking underground storage tank si
NE: Not Established. **<:** Less than Reported Detection Limit (RDL).
mg/kg: Milligrams per kilogram.
Bold value exceeds Method Detection Limit (MDL).
Color shaded value exceeds screening level.

Appendix C

Soil Boring Logs

BORING LOG NO. B-1

PROJECT: Woodside Phase II LSI

CLIENT: Park City Municipal Corporation
Park City, Utah

SITE: Woodside Project Area, Multiple Parcels
Park City, Utah

LOCATION See Exhibit A-2

DEPTH	MATERIAL DESCRIPTION	DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	XRF Pb / AS (ppm)	PID (ppm)	Sample
	CLAY WITH GRAVEL (CL), plastic, brown, stiff, 1" gravel					1665/49	0.0	SS
						23/9	0.0	
					70	16/7	0.0	SS
						18/3	0.0	
						9/9.8	0.0	
		5				12/7	0.0	
						16/0	0.0	
					100	14/11	0.0	
						12/10	0.0	
						13/9	0.0	
10.0	***Boring Terminated at 10 Feet***	10						

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct Push

Abandonment Method:
Boring backfilled with Auger Cuttings and Bentonite

Notes:
SS: B-1 @ 0.5', 11:55
SS: B-1 @ 2.5', 12:00

WATER LEVEL OBSERVATIONS

GW Not Encountered

Terracon
6949 S High Tech Dr Ste 100
Midvale, UT

Boring Started: 01-30-2024	Boring Completed: 01-30-2024
Drill Rig: Geoprobe	Driller: DPS
Project No.: 61237401	Exhibit: C-1

BORING LOG NO. B-2

PROJECT: Woodside Phase II LSI

CLIENT: Park City Municipal Corporation
Park City, Utah

SITE: Woodside Project Area, Multiple Parcels
Park City, Utah

GRAPHIC LOG	DEPTH	MATERIAL DESCRIPTION	DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	XRF Pb / AS (ppm)	PID (ppm)	Sample
		LOCATION See Exhibit A-2							
	0.5	**SILT WITH GRAVEL (CL)**, plastic, moist, soft					208/25	0.0	SS
	2.0	**CLAY WITH GRAVEL (CL)**, plastic, moist, stiff					210/19	0.0	
		SILT & CLAY WITH GRAVEL (CL-ML), plastic, moist, soft				100	26/9	0.0	SS
							435/82	0.0	
							86/18	0.0	
			5						
							20/0	0.0	
							17/4	0.0	
	8.0					100	21/11	0.0	
		SAND WITH GRAVEL (SP), nonplastic, moist, loose					46/0	0.0	
	10.0						13/0	0.0	
		Boring Terminated at 10 Feet	10						

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct Push

Abandonment Method:
Boring backfilled with Auger Cuttings and Bentonite

Notes:
SS: B-2 @ 0.5', 11:25
SS: B-2 @ 2.5', 11:30

WATER LEVEL OBSERVATIONS

GW Not Encountered

Terracon
6949 S High Tech Dr Ste 100
Midvale, UT

Boring Started: 01-30-2024 | Boring Completed: 01-30-2024
Drill Rig: Geoprobe | Driller: DPS
Project No.: 61237401 | Exhibit: C-2

BORING LOG NO. B-3

PROJECT: Woodside Phase II LSI

CLIENT: Park City Municipal Corporation
Park City, Utah

SITE: Woodside Project Area, Multiple Parcels
Park City, Utah

LOCATION See Exhibit A-2

DEPTH	MATERIAL DESCRIPTION	DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	XRF Pb / AS (ppm)	PID (ppm)	Sample
0.3	**FILL - ASPHALT**							
	FILL - SAND WITH GRAVEL, nonplastic, gray/white, loose, very fine					0/5.7	0.8	SS
1.0	**CLAY WITH GRAVEL (CL)**, low plasticity, moist, medium stiff					248/0	0.0	
2.0	**SAND (SW)**				100	572/188	0.6	SS
3.0	**CLAY WITH SAND & GRAVEL (CL)**, black, minor sand & gravel					72/12	0.0	
4.6	**SAND (SW)**, lense					587/34	0.0	
5.0	**CLAY WITH SAND & GRAVEL (CL)**, black, minor sand & gravel	5				45/23	0.0	
						18/10	0.0	
					60	23/12	0.0	
8.5	**GRAVEL WITH SAND (GP)**, nonplastic, tan, moist					46/13	0.0	
						36/13	0.0	
10.0	***Boring Terminated at 10 Feet***	10						

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct Push

Abandonment Method:
Boring backfilled with Auger Cuttings and Bentonite

Notes:
SS: B-3 @ 0.5', 10:55
SS: B-3 @ 3', 11:00

WATER LEVEL OBSERVATIONS
GW Not Encountered

Terracon
6949 S High Tech Dr Ste 100
Midvale, UT

Boring Started: 01-30-2024 | Boring Completed: 01-30-2024
Drill Rig: Geoprobe | Driller: DPS
Project No.: 61237401 | Exhibit: C-3

BORING LOG NO. B-4

PROJECT: Woodside Phase II LSI

CLIENT: Park City Municipal Corporation
Park City, Utah

SITE: Woodside Project Area, Multiple Parcels
Park City, Utah

LOCATION See Exhibit A-2

DEPTH	MATERIAL DESCRIPTION	DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	XRF Pb / AS (ppm)	PID (ppm)	Sample
0.3	**FILL - ASPHALT**							
	FILL - SAND WITH GRAVEL, nonplastic, tan, moist, loose					95/23	1.0	SS
1.0	**SAND WITH GRAVEL (SP)**, nonplastic, black, moist, loose					19/0	0.9	
2.0	**CLAY WITH GRAVEL (CL)**, plastic, dark brown, moist, soft				50	40/8	1.2	
						15/6.1	1.0	
						15/9	0.9	
		5						
						18/11	1.4	
						14/0	1.2	
					47	16/7.9	1.4	
								SS
						15/9	1.5	
9.5						27/6	2.2	
10.0	**SAND WITH GRAVEL (SP)**							
	Boring Terminated at 10 Feet	10						

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct Push

Abandonment Method:
Boring backfilled with Auger Cuttings and Bentonite

Notes:
SS: B-4 @ 0.5', 09:50
SS: B-4 @ 8', 10:00

WATER LEVEL OBSERVATIONS
GW Not Encountered

Terracon
6949 S High Tech Dr Ste 100
Midvale, UT

Boring Started: 01-30-2024 | Boring Completed: 01-30-2024
Drill Rig: Geoprobe | Driller: DPS
Project No.: 61237401 | Exhibit: C-4

BORING LOG NO. B-5

PROJECT: Woodside Phase II LSI

CLIENT: Park City Municipal Corporation
Park City, Utah

SITE: Woodside Project Area, Multiple Parcels
Park City, Utah

LOCATION See Exhibit A-2

DEPTH	MATERIAL DESCRIPTION	DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	XRF Pb / AS (ppm)	PID (ppm)	Sample
	SILT WITH CLAY & GRAVEL (ML), low plasticity, brown, moist, soft					411/0	4.0	SS
						250/20	2.9	
2.0	**SILTY CLAY WITH GRAVEL (CL-ML)**, stiff, more clay				62	57/19	0.7	
						19/18	0.5	
						39/14	1.0	
		5				18/9	0.7	
						0/9	0.5	
					68	25/9	0.3	SS
						19/10	0.5	
9.2	**SAND WITH GRAVEL (SP)**, nonplastic, moist, loose					111/15	0.6	
10.0	***Boring Terminated at 10 Feet***	10						

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct Push

Abandonment Method:
Boring backfilled with Auger Cuttings and Bentonite

Notes:
SS: B-5 @ 0.5', 10:30
SS: B-5 @ 7.5', 10:35

WATER LEVEL OBSERVATIONS

GW Not Encountered

Terracon
6949 S High Tech Dr Ste 100
Midvale, UT

Boring Started: 01-30-2024 | Boring Completed: 01-30-2024
Drill Rig: Geoprobe | Driller: DPS
Project No.: 61237401 | Exhibit: C-5

BORING LOG NO. P-1

PROJECT: Woodside Phase II LSI

CLIENT: Park City Municipal Corporation
Park City, Utah

SITE: Woodside Project Area, Multiple Parcels
Park City, Utah

LOCATION See Exhibit A-2

DEPTH	MATERIAL DESCRIPTION	DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	XRF Pb / AS (ppm)	PID (ppm)	Sample
	POORLY GRADED SAND (SP), moist, fine sand.					588/4	0.0	
						610/4		
					100	468/0	0.0	SS
						600/14		
4.0	**POORLY GRADED SAND WITH GRAVEL (SP)**, moist.					61/0	0.0	
5.0	***Boring Terminated at 5 Feet***	5						

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct Push

Abandonment Method:
Boring backfilled with Auger Cuttings and Bentonite

Notes:
SS: P-1 @ 0.0', 12:45

WATER LEVEL OBSERVATIONS

GW Not Encountered

Terracon
6949 S High Tech Dr Ste 100
Midvale, UT

Boring Started: 01-30-2024 | Boring Completed: 01-30-2024

Drill Rig: Geoprobe | Driller: DPS

Project No.: 61237401 | Exhibit: C-6

BORING LOG NO. P-2

PROJECT: Woodside Phase II LSI

CLIENT: Park City Municipal Corporation
Park City, Utah

SITE: Woodside Project Area, Multiple Parcels
Park City, Utah

GRAPHIC LOG	LOCATION See Exhibit A-2 DEPTH MATERIAL DESCRIPTION	DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	XRF Pb / AS (ppm)	PID (ppm)	Sample
	POORLY GRADED SAND (SP), moist, fine sand.				100	300/6	0.0	SS
	2.0 ***Boring Terminated at 2 Feet***							

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct Push

Abandonment Method:
Boring backfilled with Auger Cuttings and Bentonite

Notes:
SS: P-2, 13:00

WATER LEVEL OBSERVATIONS

GW Not Encountered

Terracon
6949 S High Tech Dr Ste 100
Midvale, UT

Boring Started: 01-30-2024 | Boring Completed: 01-30-2024

Drill Rig: Geoprobe | Driller: DPS

Project No.: 61237401 | Exhibit: C-7

Appendix D

Laboratory Analytical Report and Chain-of-Custody

ANALYTICAL REPORT

February 09, 2024

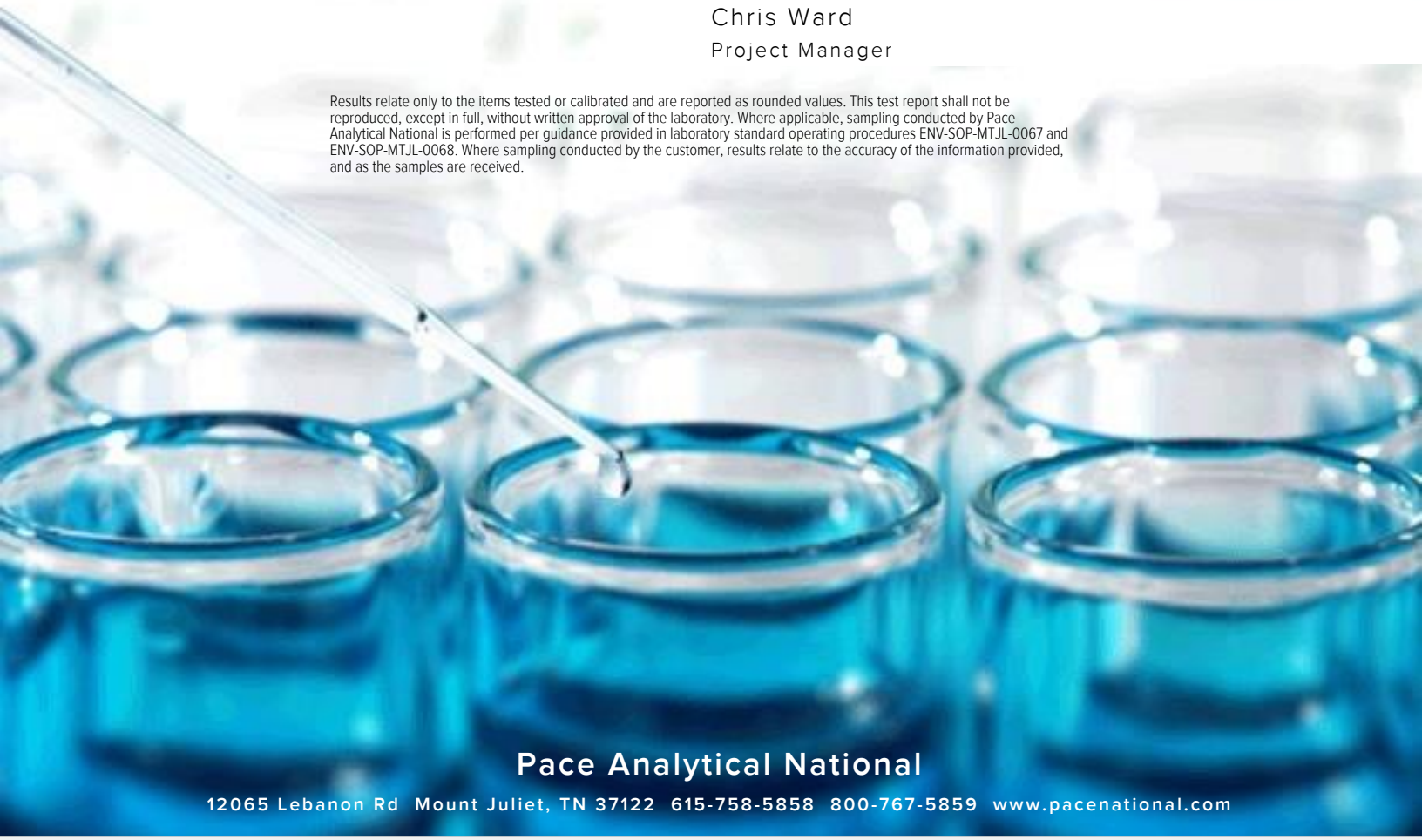
Terracon - Salt Lake City, UT

Sample Delivery Group:	L1701251
Samples Received:	02/01/2024
Project Number:	61237401
Description:	Woodside Park City

Report To: Daniel Dean
6949 South High Tech Drive
Midvale, UT 84047

Entire Report Reviewed By: Chris Ward

Chris Ward
Project Manager



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

SS-P1 @ 0 L1701251-01 Solid

Collected by: Sarah Hamilton | Collected date/time: 01/30/24 12:45 | Received date/time: 02/01/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218511	1	02/02/24 11:39	02/02/24 11:58	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9071B	WG2220440	1	02/04/24 09:38	02/06/24 17:35	WAW	Mt. Juliet, TN
Mercury by Method 7471A	WG2218643	1	02/02/24 10:38	02/03/24 13:53	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2218674	1	02/02/24 15:21	02/03/24 20:17	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2219508	1	02/03/24 11:38	02/03/24 18:47	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2219228	2	02/05/24 08:17	02/05/24 19:16	KAP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2218571	1	02/02/24 08:28	02/02/24 18:04	JRM	Mt. Juliet, TN

SS-P2 @ 0 L1701251-02 Solid

Collected by: Sarah Hamilton | Collected date/time: 01/30/24 13:00 | Received date/time: 02/01/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218511	1	02/02/24 11:39	02/02/24 11:58	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9071B	WG2220440	1	02/04/24 09:38	02/06/24 17:35	WAW	Mt. Juliet, TN
Mercury by Method 7471A	WG2218643	1	02/02/24 10:38	02/03/24 13:56	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2218674	1	02/02/24 15:21	02/03/24 20:19	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2219508	1	02/03/24 11:38	02/03/24 19:08	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2219228	2	02/05/24 08:17	02/05/24 19:29	KAP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2218571	1	02/02/24 08:28	02/02/24 18:21	JRM	Mt. Juliet, TN

B-1 @ 0.5 L1701251-03 Solid

Collected by: Sarah Hamilton | Collected date/time: 01/30/24 11:55 | Received date/time: 02/01/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218511	1	02/02/24 11:39	02/02/24 11:58	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9071B	WG2220440	1	02/04/24 09:38	02/06/24 17:35	WAW	Mt. Juliet, TN
Mercury by Method 7471A	WG2218643	1	02/02/24 10:38	02/03/24 13:58	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2218674	1	02/02/24 15:21	02/03/24 20:20	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2219508	1	02/03/24 11:38	02/03/24 19:30	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2219228	1	02/05/24 08:17	02/05/24 17:45	KAP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2218571	1	02/02/24 08:28	02/02/24 17:12	JRM	Mt. Juliet, TN

B-1 @ 2.5 L1701251-04 Solid

Collected by: Sarah Hamilton | Collected date/time: 01/30/24 12:00 | Received date/time: 02/01/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218511	1	02/02/24 11:39	02/02/24 11:58	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9071B	WG2220440	1	02/04/24 09:38	02/06/24 17:35	WAW	Mt. Juliet, TN
Mercury by Method 7471A	WG2218643	1	02/02/24 10:38	02/03/24 14:00	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2218674	1	02/02/24 15:21	02/03/24 20:22	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2219508	1	02/03/24 11:38	02/03/24 19:51	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2219228	1	02/05/24 08:17	02/05/24 16:00	KAP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2218571	1	02/02/24 08:28	02/02/24 13:43	JRM	Mt. Juliet, TN

B-2 @ 0.5 L1701251-05 Solid

Collected by: Sarah Hamilton | Collected date/time: 01/30/24 11:25 | Received date/time: 02/01/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218511	1	02/02/24 11:39	02/02/24 11:58	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9071B	WG2222013	1	02/06/24 23:18	02/07/24 22:49	DAL	Mt. Juliet, TN
Mercury by Method 7471A	WG2218643	1	02/02/24 10:38	02/03/24 14:03	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2218674	1	02/02/24 15:21	02/03/24 20:24	DJS	Mt. Juliet, TN

B-2 @ 0.5 L1701251-05 Solid

Collected by: Sarah Hamilton | Collected date/time: 01/30/24 11:25 | Received date/time: 02/01/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2219508	1.01	02/03/24 11:38	02/03/24 20:12	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2219228	1	02/05/24 08:17	02/05/24 18:37	KAP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2218571	1	02/02/24 08:28	02/02/24 17:29	JRM	Mt. Juliet, TN

B-2 @ 3 L1701251-06 Solid

Collected by: Sarah Hamilton | Collected date/time: 01/30/24 11:30 | Received date/time: 02/01/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218511	1	02/02/24 11:39	02/02/24 11:58	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9071B	WG2222013	1	02/06/24 23:18	02/07/24 22:49	DAL	Mt. Juliet, TN
Mercury by Method 7471A	WG2218643	1	02/02/24 10:38	02/03/24 14:05	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2218674	1	02/02/24 15:21	02/03/24 20:25	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2219508	1	02/03/24 11:38	02/03/24 20:34	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2219228	1	02/05/24 08:17	02/05/24 17:58	KAP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2218571	1	02/02/24 08:28	02/02/24 14:01	JRM	Mt. Juliet, TN

B-3 @ 0.5 L1701251-07 Solid

Collected by: Sarah Hamilton | Collected date/time: 01/30/24 10:55 | Received date/time: 02/01/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218512	1	02/02/24 11:21	02/02/24 11:36	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9071B	WG2222013	10	02/06/24 23:18	02/07/24 22:49	DAL	Mt. Juliet, TN
Mercury by Method 7471A	WG2218643	1	02/02/24 10:38	02/03/24 14:08	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2218674	1	02/02/24 15:21	02/03/24 20:27	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2219508	1	02/03/24 11:38	02/03/24 20:55	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2222785	1	02/03/24 11:38	02/08/24 20:07	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2219228	500	02/05/24 08:17	02/06/24 10:40	KAP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2218571	1	02/02/24 08:28	02/08/24 04:21	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2218571	10	02/02/24 08:28	02/08/24 18:51	AGW	Mt. Juliet, TN

B-3 @ 3 L1701251-08 Solid

Collected by: Sarah Hamilton | Collected date/time: 01/30/24 11:00 | Received date/time: 02/01/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218512	1	02/02/24 11:21	02/02/24 11:36	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9071B	WG2222013	1	02/06/24 23:18	02/07/24 22:49	DAL	Mt. Juliet, TN
Mercury by Method 7471A	WG2218643	1	02/02/24 10:38	02/03/24 14:10	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2218674	1	02/02/24 15:21	02/03/24 20:28	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2219508	1	02/03/24 11:38	02/03/24 21:17	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2219228	1	02/05/24 08:17	02/05/24 18:11	KAP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2218571	1	02/02/24 08:28	02/02/24 17:46	JRM	Mt. Juliet, TN

B-4 @ 0.5 L1701251-09 Solid

Collected by: Sarah Hamilton | Collected date/time: 01/30/24 09:50 | Received date/time: 02/01/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218512	1	02/02/24 11:21	02/02/24 11:36	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9071B	WG2222013	1	02/06/24 23:18	02/07/24 22:49	DAL	Mt. Juliet, TN
Mercury by Method 7471A	WG2218643	1	02/02/24 10:38	02/03/24 14:13	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2218674	1	02/02/24 15:21	02/03/24 20:30	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2219508	1	02/03/24 11:38	02/03/24 21:38	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2219228	1	02/05/24 08:17	02/05/24 18:50	KAP	Mt. Juliet, TN

B-4 @ 0.5 L1701251-09 Solid

Collected by: Sarah Hamilton | Collected date/time: 01/30/24 09:50 | Received date/time: 02/01/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2218571	1	02/02/24 08:28	02/02/24 18:38	JRM	Mt. Juliet, TN

B-4 @ 8 L1701251-10 Solid

Collected by: Sarah Hamilton | Collected date/time: 01/30/24 10:00 | Received date/time: 02/01/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218512	1	02/02/24 11:21	02/02/24 11:36	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9071B	WG2222013	1	02/06/24 23:18	02/07/24 22:49	DAL	Mt. Juliet, TN
Mercury by Method 7471A	WG2218643	1	02/02/24 10:38	02/03/24 14:15	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2218674	1	02/02/24 15:21	02/03/24 20:35	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2219830	1	02/03/24 11:38	02/04/24 16:15	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2222578	1.01	02/03/24 11:38	02/08/24 14:26	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2219228	1	02/05/24 08:17	02/05/24 16:13	KAP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2218571	1	02/02/24 08:28	02/02/24 14:18	JRM	Mt. Juliet, TN

B-5 @ 0.5 L1701251-11 Solid

Collected by: Sarah Hamilton | Collected date/time: 01/30/24 10:30 | Received date/time: 02/01/24 08:00

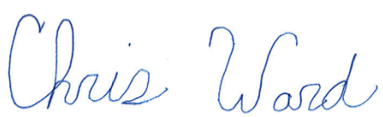
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218512	1	02/02/24 11:21	02/02/24 11:36	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9071B	WG2222013	1	02/06/24 23:18	02/07/24 22:49	DAL	Mt. Juliet, TN
Mercury by Method 7471A	WG2218643	1	02/02/24 10:38	02/03/24 14:22	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2218674	1	02/02/24 15:21	02/03/24 20:37	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2219830	1	02/03/24 11:38	02/04/24 16:36	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2222578	1.01	02/03/24 11:38	02/08/24 14:47	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2219228	1	02/05/24 08:17	02/05/24 18:24	KAP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2218571	1	02/02/24 08:28	02/02/24 14:36	JRM	Mt. Juliet, TN

B-5 @ 7.5 L1701251-12 Solid

Collected by: Sarah Hamilton | Collected date/time: 01/30/24 10:35 | Received date/time: 02/01/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218512	1	02/02/24 11:21	02/02/24 11:36	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9071B	WG2222013	1	02/06/24 23:18	02/07/24 22:49	DAL	Mt. Juliet, TN
Mercury by Method 7471A	WG2218643	1	02/02/24 10:38	02/03/24 14:25	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2218674	1	02/02/24 15:21	02/03/24 20:38	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2219830	1	02/03/24 11:38	02/04/24 16:57	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2222578	1	02/03/24 11:38	02/08/24 15:09	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2219228	1	02/05/24 08:17	02/06/24 10:27	KAP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2218571	1	02/02/24 08:28	02/02/24 14:53	JRM	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris Ward
Project Manager

Wet Chemistry by Method 9071B

RPD value not applicable for sample concentrations less than 5 times the reporting limit.

Batch	Lab Sample ID	Analytes
WG2222013	(DUP) R4031155-4	TPH - Oil & Grease

Volatile Organic Compounds (GC/MS) by Method 8260B

Surrogate recovery limits have been exceeded; values are outside upper control limits.

Batch	Analyte	Lab Sample ID
WG2219508	1,2-Dichloroethane-d4	L1701251-04

Surrogate recovery limits have been exceeded; values are outside lower control limits.

Batch	Analyte	Lab Sample ID
WG2219508	4-Bromofluorobenzene	L1701251-08

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2219508	(LCS) R4031439-1, L1701251-01, 02, 03, 04, 05, 06, 07, 08, 09	1,1-Dichloroethane and 1,2-Dichloropropane
WG2219830	(LCS) R4031323-2, L1701251-10, 11, 12	1,1-Dichloroethane

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2219508	(LCSD) R4031439-2, L1701251-01, 02, 03, 04, 05, 06, 07, 08, 09	1,1,1,2-Tetrachloroethane, 1,3,5-Trimethylbenzene, 4-Methyl-2-pentanone (MIBK), Bromoform, Bromomethane, Carbon tetrachloride, n-Butylbenzene and trans-1,3-Dichloropropene

Semi-Volatile Organic Compounds (GC) by Method 8015

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

Batch	Analyte	Lab Sample ID
WG2219228	o-Terphenyl	L1701251-07

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

Batch	Lab Sample ID	Analytes
WG2219228	(MSD) R4030152-4	TPH (GC/FID) High Fraction

Semi-Volatile Organic Compounds (GC) by Method 8015

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2219228	(MSD) R4030152-4	TPH (GC/FID) High Fraction

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.1		1	02/02/2024 11:58	WG2218511

Wet Chemistry by Method 9071B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH - Oil & Grease	210		38.8	118	1	02/06/2024 17:35	WG2220440

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.600		0.0212	0.0470	1	02/03/2024 13:53	WG2218643

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	20.2		0.609	2.35	1	02/03/2024 20:17	WG2218674
Barium	173		0.100	0.588	1	02/03/2024 20:17	WG2218674
Cadmium	2.06		0.0554	0.588	1	02/03/2024 20:17	WG2218674
Chromium	34.8		0.156	1.18	1	02/03/2024 20:17	WG2218674
Lead	368		0.244	0.588	1	02/03/2024 20:17	WG2218674
Selenium	1.46	J	0.898	2.35	1	02/03/2024 20:17	WG2218674
Silver	2.97		0.149	1.18	1	02/03/2024 20:17	WG2218674

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/MS) Low Fraction	U		0.215	0.588	1	02/03/2024 18:47	WG2219508
Acetone	0.0255	J	0.0243	0.0588	1	02/03/2024 18:47	WG2219508
Acrylonitrile	U		0.00237	0.0118	1	02/03/2024 18:47	WG2219508
Benzene	U		0.000441	0.00118	1	02/03/2024 18:47	WG2219508
Bromobenzene	U		0.000323	0.00118	1	02/03/2024 18:47	WG2219508
Bromodichloromethane	U		0.000852	0.00118	1	02/03/2024 18:47	WG2219508
Bromoform	U	J3	0.000498	0.00118	1	02/03/2024 18:47	WG2219508
Bromomethane	U	J3	0.00138	0.00588	1	02/03/2024 18:47	WG2219508
n-Butylbenzene	U	J3	0.000303	0.00118	1	02/03/2024 18:47	WG2219508
sec-Butylbenzene	U		0.000236	0.00118	1	02/03/2024 18:47	WG2219508
tert-Butylbenzene	U		0.000242	0.00118	1	02/03/2024 18:47	WG2219508
Carbon tetrachloride	U	J3	0.000291	0.00118	1	02/03/2024 18:47	WG2219508
Chlorobenzene	U		0.000226	0.00118	1	02/03/2024 18:47	WG2219508
Chlorodibromomethane	U		0.000263	0.00118	1	02/03/2024 18:47	WG2219508
Chloroethane	U		0.00118	0.00588	1	02/03/2024 18:47	WG2219508
Chloroform	U		0.00121	0.00588	1	02/03/2024 18:47	WG2219508
Chloromethane	U		0.000764	0.00294	1	02/03/2024 18:47	WG2219508
2-Chlorotoluene	U		0.000264	0.00118	1	02/03/2024 18:47	WG2219508
4-Chlorotoluene	U		0.000812	0.00118	1	02/03/2024 18:47	WG2219508
1,2-Dibromo-3-Chloropropane	U		0.00223	0.00588	1	02/03/2024 18:47	WG2219508
1,2-Dibromoethane	U		0.000294	0.00118	1	02/03/2024 18:47	WG2219508
Dibromomethane	U		0.000411	0.00118	1	02/03/2024 18:47	WG2219508
1,2-Dichlorobenzene	U		0.000499	0.00118	1	02/03/2024 18:47	WG2219508
1,3-Dichlorobenzene	U		0.000705	0.00118	1	02/03/2024 18:47	WG2219508
1,4-Dichlorobenzene	U		0.000975	0.00118	1	02/03/2024 18:47	WG2219508
Dichlorodifluoromethane	U		0.000337	0.00588	1	02/03/2024 18:47	WG2219508
1,1-Dichloroethane	U	J4	0.000315	0.00118	1	02/03/2024 18:47	WG2219508
1,2-Dichloroethane	U		0.000529	0.00118	1	02/03/2024 18:47	WG2219508

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1-Dichloroethene	U		0.000417	0.00118	1	02/03/2024 18:47	WG2219508
cis-1,2-Dichloroethene	U		0.000558	0.00118	1	02/03/2024 18:47	WG2219508
trans-1,2-Dichloroethene	U		0.000588	0.00118	1	02/03/2024 18:47	WG2219508
1,2-Dichloropropane	U	J4	0.000193	0.00118	1	02/03/2024 18:47	WG2219508
1,1-Dichloropropene	U		0.000441	0.00118	1	02/03/2024 18:47	WG2219508
1,3-Dichloropropane	U		0.000264	0.00118	1	02/03/2024 18:47	WG2219508
cis-1,3-Dichloropropene	U		0.000499	0.00118	1	02/03/2024 18:47	WG2219508
trans-1,3-Dichloropropene	U	J3	0.000793	0.00118	1	02/03/2024 18:47	WG2219508
2,2-Dichloropropane	U		0.000441	0.00118	1	02/03/2024 18:47	WG2219508
Di-isopropyl ether	U		0.000260	0.00118	1	02/03/2024 18:47	WG2219508
Ethylbenzene	U		0.000353	0.00118	1	02/03/2024 18:47	WG2219508
Hexachloro-1,3-butadiene	U		0.000402	0.00118	1	02/03/2024 18:47	WG2219508
Isopropylbenzene	U		0.000499	0.00118	1	02/03/2024 18:47	WG2219508
p-Isopropyltoluene	U		0.000240	0.00118	1	02/03/2024 18:47	WG2219508
2-Butanone (MEK)	U		0.00550	0.0118	1	02/03/2024 18:47	WG2219508
Methylene Chloride	U		0.00118	0.00588	1	02/03/2024 18:47	WG2219508
4-Methyl-2-pentanone (MIBK)	U	J3	0.00112	0.0118	1	02/03/2024 18:47	WG2219508
Methyl tert-butyl ether	U		0.000411	0.00118	1	02/03/2024 18:47	WG2219508
Naphthalene	U		0.00585	0.00588	1	02/03/2024 18:47	WG2219508
n-Propylbenzene	U		0.000242	0.00118	1	02/03/2024 18:47	WG2219508
Styrene	U		0.000262	0.00118	1	02/03/2024 18:47	WG2219508
1,1,1,2-Tetrachloroethane	U	J3	0.000348	0.00118	1	02/03/2024 18:47	WG2219508
1,1,2,2-Tetrachloroethane	U		0.000271	0.00118	1	02/03/2024 18:47	WG2219508
1,1,2-Trichlorotrifluoroethane	U		0.000501	0.00118	1	02/03/2024 18:47	WG2219508
Tetrachloroethene	U		0.000382	0.00118	1	02/03/2024 18:47	WG2219508
Toluene	U		0.00145	0.00588	1	02/03/2024 18:47	WG2219508
1,2,3-Trichlorobenzene	U		0.000360	0.00118	1	02/03/2024 18:47	WG2219508
1,2,4-Trichlorobenzene	U		0.000456	0.00118	1	02/03/2024 18:47	WG2219508
1,1,1-Trichloroethane	U		0.000435	0.00118	1	02/03/2024 18:47	WG2219508
1,1,2-Trichloroethane	U		0.000499	0.00118	1	02/03/2024 18:47	WG2219508
Trichloroethene	U		0.000235	0.00118	1	02/03/2024 18:47	WG2219508
Trichlorofluoromethane	U		0.000418	0.00588	1	02/03/2024 18:47	WG2219508
1,2,3-Trichloropropane	U		0.000287	0.00294	1	02/03/2024 18:47	WG2219508
1,2,4-Trimethylbenzene	U		0.000248	0.00118	1	02/03/2024 18:47	WG2219508
1,2,3-Trimethylbenzene	U		0.000337	0.00118	1	02/03/2024 18:47	WG2219508
1,3,5-Trimethylbenzene	U	J3	0.000313	0.00118	1	02/03/2024 18:47	WG2219508
Vinyl chloride	U		0.000266	0.00118	1	02/03/2024 18:47	WG2219508
Xylenes, Total	U		0.000588	0.00353	1	02/03/2024 18:47	WG2219508
(S) Toluene-d8	*110*			*75.0-131*		*02/03/2024 18:47*	WG2219508
(S) 4-Bromofluorobenzene	*86.9*			*67.0-138*		*02/03/2024 18:47*	WG2219508
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*02/03/2024 18:47*	WG2219508

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	165		1.81	9.40	2	02/05/2024 19:16	WG2219228
(S) o-Terphenyl	*76.9*			*18.0-148*		*02/05/2024 19:16*	WG2219228

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.0431		0.00270	0.00705	1	02/02/2024 18:04	WG2218571
Acenaphthene	0.00491	J	0.00246	0.00705	1	02/02/2024 18:04	WG2218571
Acenaphthylene	0.0535		0.00254	0.00705	1	02/02/2024 18:04	WG2218571
Benzo(a)anthracene	0.0565		0.00203	0.00705	1	02/02/2024 18:04	WG2218571

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)pyrene	0.0978		0.00210	0.00705	1	02/02/2024 18:04	WG2218571
Benzo(b)fluoranthene	0.125		0.00180	0.00705	1	02/02/2024 18:04	WG2218571
Benzo(g,h,i)perylene	0.175		0.00208	0.00705	1	02/02/2024 18:04	WG2218571
Benzo(k)fluoranthene	0.0360		0.00253	0.00705	1	02/02/2024 18:04	WG2218571
Chrysene	0.0720		0.00273	0.00705	1	02/02/2024 18:04	WG2218571
Dibenz(a,h)anthracene	0.0249		0.00202	0.00705	1	02/02/2024 18:04	WG2218571
Fluoranthene	0.110		0.00267	0.00705	1	02/02/2024 18:04	WG2218571
Fluorene	U		0.00241	0.00705	1	02/02/2024 18:04	WG2218571
Indeno(1,2,3-cd)pyrene	0.100		0.00213	0.00705	1	02/02/2024 18:04	WG2218571
Naphthalene	0.130		0.00480	0.0235	1	02/02/2024 18:04	WG2218571
Phenanthrene	0.161		0.00271	0.00705	1	02/02/2024 18:04	WG2218571
Pyrene	0.109		0.00235	0.00705	1	02/02/2024 18:04	WG2218571
1-Methylnaphthalene	0.133		0.00528	0.0235	1	02/02/2024 18:04	WG2218571
2-Methylnaphthalene	0.179		0.00502	0.0235	1	02/02/2024 18:04	WG2218571
2-Chloronaphthalene	U		0.00548	0.0235	1	02/02/2024 18:04	WG2218571
(S) Nitrobenzene-d5	*83.1*			*14.0-149*		*02/02/2024 18:04*	WG2218571
(S) 2-Fluorobiphenyl	*79.3*			*34.0-125*		*02/02/2024 18:04*	WG2218571
(S) p-Terphenyl-d14	*77.9*			*23.0-120*		*02/02/2024 18:04*	WG2218571

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.9		1	02/02/2024 11:58	WG2218511

Wet Chemistry by Method 9071B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH - Oil & Grease	143		39.8	121	1	02/06/2024 17:35	WG2220440

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	1.14		0.0217	0.0482	1	02/03/2024 13:56	WG2218643

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	21.9		0.625	2.41	1	02/03/2024 20:19	WG2218674
Barium	209		0.103	0.603	1	02/03/2024 20:19	WG2218674
Cadmium	2.27		0.0568	0.603	1	02/03/2024 20:19	WG2218674
Chromium	35.0		0.160	1.21	1	02/03/2024 20:19	WG2218674
Lead	362		0.251	0.603	1	02/03/2024 20:19	WG2218674
Selenium	3.00		0.921	2.41	1	02/03/2024 20:19	WG2218674
Silver	2.82		0.153	1.21	1	02/03/2024 20:19	WG2218674

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/MS) Low Fraction	U		0.221	0.603	1	02/03/2024 19:08	WG2219508
Acetone	0.0254	J	0.0250	0.0603	1	02/03/2024 19:08	WG2219508
Acrylonitrile	U		0.00244	0.0121	1	02/03/2024 19:08	WG2219508
Benzene	0.000802	J	0.000452	0.00121	1	02/03/2024 19:08	WG2219508
Bromobenzene	U		0.000332	0.00121	1	02/03/2024 19:08	WG2219508
Bromodichloromethane	U		0.000874	0.00121	1	02/03/2024 19:08	WG2219508
Bromoform	U	J3	0.000511	0.00121	1	02/03/2024 19:08	WG2219508
Bromomethane	U	J3	0.00141	0.00603	1	02/03/2024 19:08	WG2219508
n-Butylbenzene	U	J3	0.000311	0.00121	1	02/03/2024 19:08	WG2219508
sec-Butylbenzene	U		0.000242	0.00121	1	02/03/2024 19:08	WG2219508
tert-Butylbenzene	U		0.000248	0.00121	1	02/03/2024 19:08	WG2219508
Carbon tetrachloride	U	J3	0.000299	0.00121	1	02/03/2024 19:08	WG2219508
Chlorobenzene	U		0.000232	0.00121	1	02/03/2024 19:08	WG2219508
Chlorodibromomethane	U		0.000270	0.00121	1	02/03/2024 19:08	WG2219508
Chloroethane	U		0.00121	0.00603	1	02/03/2024 19:08	WG2219508
Chloroform	U		0.00124	0.00603	1	02/03/2024 19:08	WG2219508
Chloromethane	U		0.000784	0.00301	1	02/03/2024 19:08	WG2219508
2-Chlorotoluene	U		0.000271	0.00121	1	02/03/2024 19:08	WG2219508
4-Chlorotoluene	U		0.000833	0.00121	1	02/03/2024 19:08	WG2219508
1,2-Dibromo-3-Chloropropane	U		0.00229	0.00603	1	02/03/2024 19:08	WG2219508
1,2-Dibromoethane	U		0.000301	0.00121	1	02/03/2024 19:08	WG2219508
Dibromomethane	U		0.000422	0.00121	1	02/03/2024 19:08	WG2219508
1,2-Dichlorobenzene	U		0.000513	0.00121	1	02/03/2024 19:08	WG2219508
1,3-Dichlorobenzene	U		0.000724	0.00121	1	02/03/2024 19:08	WG2219508
1,4-Dichlorobenzene	U		0.00100	0.00121	1	02/03/2024 19:08	WG2219508
Dichlorodifluoromethane	U		0.000346	0.00603	1	02/03/2024 19:08	WG2219508
1,1-Dichloroethane	U	J4	0.000323	0.00121	1	02/03/2024 19:08	WG2219508
1,2-Dichloroethane	U		0.000543	0.00121	1	02/03/2024 19:08	WG2219508

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1-Dichloroethene	U		0.000428	0.00121	1	02/03/2024 19:08	WG2219508
cis-1,2-Dichloroethene	U		0.000573	0.00121	1	02/03/2024 19:08	WG2219508
trans-1,2-Dichloroethene	U		0.000603	0.00121	1	02/03/2024 19:08	WG2219508
1,2-Dichloropropane	U	J4	0.000198	0.00121	1	02/03/2024 19:08	WG2219508
1,1-Dichloropropene	U		0.000452	0.00121	1	02/03/2024 19:08	WG2219508
1,3-Dichloropropane	U		0.000271	0.00121	1	02/03/2024 19:08	WG2219508
cis-1,3-Dichloropropene	U		0.000513	0.00121	1	02/03/2024 19:08	WG2219508
trans-1,3-Dichloropropene	U	J3	0.000814	0.00121	1	02/03/2024 19:08	WG2219508
2,2-Dichloropropane	U		0.000452	0.00121	1	02/03/2024 19:08	WG2219508
Di-isopropyl ether	U		0.000267	0.00121	1	02/03/2024 19:08	WG2219508
Ethylbenzene	U		0.000362	0.00121	1	02/03/2024 19:08	WG2219508
Hexachloro-1,3-butadiene	U		0.000412	0.00121	1	02/03/2024 19:08	WG2219508
Isopropylbenzene	U		0.000513	0.00121	1	02/03/2024 19:08	WG2219508
p-Isopropyltoluene	U		0.000246	0.00121	1	02/03/2024 19:08	WG2219508
2-Butanone (MEK)	U		0.00564	0.0121	1	02/03/2024 19:08	WG2219508
Methylene Chloride	U		0.00121	0.00603	1	02/03/2024 19:08	WG2219508
4-Methyl-2-pentanone (MIBK)	U	J3	0.00115	0.0121	1	02/03/2024 19:08	WG2219508
Methyl tert-butyl ether	U		0.000422	0.00121	1	02/03/2024 19:08	WG2219508
Naphthalene	U		0.00601	0.00603	1	02/03/2024 19:08	WG2219508
n-Propylbenzene	U		0.000248	0.00121	1	02/03/2024 19:08	WG2219508
Styrene	U		0.000269	0.00121	1	02/03/2024 19:08	WG2219508
1,1,1,2-Tetrachloroethane	U	J3	0.000357	0.00121	1	02/03/2024 19:08	WG2219508
1,1,2,2-Tetrachloroethane	U		0.000279	0.00121	1	02/03/2024 19:08	WG2219508
1,1,2-Trichlorotrifluoroethane	U		0.000514	0.00121	1	02/03/2024 19:08	WG2219508
Tetrachloroethene	U		0.000392	0.00121	1	02/03/2024 19:08	WG2219508
Toluene	U		0.00148	0.00603	1	02/03/2024 19:08	WG2219508
1,2,3-Trichlorobenzene	U		0.000369	0.00121	1	02/03/2024 19:08	WG2219508
1,2,4-Trichlorobenzene	U		0.000468	0.00121	1	02/03/2024 19:08	WG2219508
1,1,1-Trichloroethane	U		0.000446	0.00121	1	02/03/2024 19:08	WG2219508
1,1,2-Trichloroethane	U		0.000513	0.00121	1	02/03/2024 19:08	WG2219508
Trichloroethene	U		0.000241	0.00121	1	02/03/2024 19:08	WG2219508
Trichlorofluoromethane	U		0.000429	0.00603	1	02/03/2024 19:08	WG2219508
1,2,3-Trichloropropane	U		0.000294	0.00301	1	02/03/2024 19:08	WG2219508
1,2,4-Trimethylbenzene	U		0.000254	0.00121	1	02/03/2024 19:08	WG2219508
1,2,3-Trimethylbenzene	U		0.000346	0.00121	1	02/03/2024 19:08	WG2219508
1,3,5-Trimethylbenzene	U	J3	0.000321	0.00121	1	02/03/2024 19:08	WG2219508
Vinyl chloride	U		0.000273	0.00121	1	02/03/2024 19:08	WG2219508
Xylenes, Total	U		0.000603	0.00362	1	02/03/2024 19:08	WG2219508
(S) Toluene-d8	*111*			*75.0-131*		*02/03/2024 19:08*	WG2219508
(S) 4-Bromofluorobenzene	*91.8*			*67.0-138*		*02/03/2024 19:08*	WG2219508
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*02/03/2024 19:08*	WG2219508

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	91.0		1.86	9.65	2	02/05/2024 19:29	WG2219228
(S) o-Terphenyl	*67.8*			*18.0-148*		*02/05/2024 19:29*	WG2219228

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.0311		0.00277	0.00724	1	02/02/2024 18:21	WG2218571
Acenaphthene	0.0105		0.00252	0.00724	1	02/02/2024 18:21	WG2218571
Acenaphthylene	0.0123		0.00260	0.00724	1	02/02/2024 18:21	WG2218571
Benzo(a)anthracene	0.0611		0.00209	0.00724	1	02/02/2024 18:21	WG2218571

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)pyrene	0.0795		0.00216	0.00724	1	02/02/2024 18:21	WG2218571
Benzo(b)fluoranthene	0.0784		0.00185	0.00724	1	02/02/2024 18:21	WG2218571
Benzo(g,h,i)perylene	0.118		0.00213	0.00724	1	02/02/2024 18:21	WG2218571
Benzo(k)fluoranthene	0.0270		0.00259	0.00724	1	02/02/2024 18:21	WG2218571
Chrysene	0.0644		0.00280	0.00724	1	02/02/2024 18:21	WG2218571
Dibenz(a,h)anthracene	0.0158		0.00207	0.00724	1	02/02/2024 18:21	WG2218571
Fluoranthene	0.128		0.00274	0.00724	1	02/02/2024 18:21	WG2218571
Fluorene	0.00767		0.00247	0.00724	1	02/02/2024 18:21	WG2218571
Indeno(1,2,3-cd)pyrene	0.0625		0.00218	0.00724	1	02/02/2024 18:21	WG2218571
Naphthalene	0.0725		0.00492	0.0241	1	02/02/2024 18:21	WG2218571
Phenanthrene	0.152		0.00279	0.00724	1	02/02/2024 18:21	WG2218571
Pyrene	0.130		0.00241	0.00724	1	02/02/2024 18:21	WG2218571
1-Methylnaphthalene	0.0711		0.00541	0.0241	1	02/02/2024 18:21	WG2218571
2-Methylnaphthalene	0.107		0.00515	0.0241	1	02/02/2024 18:21	WG2218571
2-Chloronaphthalene	U		0.00562	0.0241	1	02/02/2024 18:21	WG2218571
(S) Nitrobenzene-d5	*85.4*			*14.0-149*		*02/02/2024 18:21*	WG2218571
(S) 2-Fluorobiphenyl	*81.5*			*34.0-125*		*02/02/2024 18:21*	WG2218571
(S) p-Terphenyl-d14	*78.1*			*23.0-120*		*02/02/2024 18:21*	WG2218571

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.8		1	02/02/2024 11:58	WG2218511

Wet Chemistry by Method 9071B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH - Oil & Grease	82.7	J	39.9	121	1	02/06/2024 17:35	WG2220440

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.117		0.0217	0.0483	1	02/03/2024 13:58	WG2218643

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	9.96		0.626	2.42	1	02/03/2024 20:20	WG2218674
Barium	135		0.103	0.604	1	02/03/2024 20:20	WG2218674
Cadmium	0.438	J	0.0569	0.604	1	02/03/2024 20:20	WG2218674
Chromium	48.3		0.161	1.21	1	02/03/2024 20:20	WG2218674
Lead	76.0		0.251	0.604	1	02/03/2024 20:20	WG2218674
Selenium	U		0.923	2.42	1	02/03/2024 20:20	WG2218674
Silver	U		0.153	1.21	1	02/03/2024 20:20	WG2218674

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/MS) Low Fraction	U		0.221	0.604	1	02/03/2024 19:30	WG2219508
Acetone	U		0.0250	0.0604	1	02/03/2024 19:30	WG2219508
Acrylonitrile	U		0.00244	0.0121	1	02/03/2024 19:30	WG2219508
Benzene	U		0.000453	0.00121	1	02/03/2024 19:30	WG2219508
Bromobenzene	U		0.000332	0.00121	1	02/03/2024 19:30	WG2219508
Bromodichloromethane	U		0.000876	0.00121	1	02/03/2024 19:30	WG2219508
Bromoform	U	J3	0.000512	0.00121	1	02/03/2024 19:30	WG2219508
Bromomethane	U	J3	0.00141	0.00604	1	02/03/2024 19:30	WG2219508
n-Butylbenzene	U	J3	0.000312	0.00121	1	02/03/2024 19:30	WG2219508
sec-Butylbenzene	U		0.000243	0.00121	1	02/03/2024 19:30	WG2219508
tert-Butylbenzene	U		0.000249	0.00121	1	02/03/2024 19:30	WG2219508
Carbon tetrachloride	U	J3	0.000300	0.00121	1	02/03/2024 19:30	WG2219508
Chlorobenzene	U		0.000232	0.00121	1	02/03/2024 19:30	WG2219508
Chlorodibromomethane	U		0.000271	0.00121	1	02/03/2024 19:30	WG2219508
Chloroethane	U		0.00121	0.00604	1	02/03/2024 19:30	WG2219508
Chloroform	U		0.00124	0.00604	1	02/03/2024 19:30	WG2219508
Chloromethane	U		0.000785	0.00302	1	02/03/2024 19:30	WG2219508
2-Chlorotoluene	U		0.000272	0.00121	1	02/03/2024 19:30	WG2219508
4-Chlorotoluene	U		0.000835	0.00121	1	02/03/2024 19:30	WG2219508
1,2-Dibromo-3-Chloropropane	U		0.00229	0.00604	1	02/03/2024 19:30	WG2219508
1,2-Dibromoethane	U		0.000302	0.00121	1	02/03/2024 19:30	WG2219508
Dibromomethane	U		0.000423	0.00121	1	02/03/2024 19:30	WG2219508
1,2-Dichlorobenzene	U		0.000513	0.00121	1	02/03/2024 19:30	WG2219508
1,3-Dichlorobenzene	U		0.000725	0.00121	1	02/03/2024 19:30	WG2219508
1,4-Dichlorobenzene	U		0.00100	0.00121	1	02/03/2024 19:30	WG2219508
Dichlorodifluoromethane	U		0.000347	0.00604	1	02/03/2024 19:30	WG2219508
1,1-Dichloroethane	U	J4	0.000324	0.00121	1	02/03/2024 19:30	WG2219508
1,2-Dichloroethane	U		0.000543	0.00121	1	02/03/2024 19:30	WG2219508

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1-Dichloroethene	U		0.000429	0.00121	1	02/03/2024 19:30	WG2219508
cis-1,2-Dichloroethene	U		0.000574	0.00121	1	02/03/2024 19:30	WG2219508
trans-1,2-Dichloroethene	U		0.000604	0.00121	1	02/03/2024 19:30	WG2219508
1,2-Dichloropropane	U	J4	0.000198	0.00121	1	02/03/2024 19:30	WG2219508
1,1-Dichloropropene	U		0.000453	0.00121	1	02/03/2024 19:30	WG2219508
1,3-Dichloropropane	U		0.000272	0.00121	1	02/03/2024 19:30	WG2219508
cis-1,3-Dichloropropene	U		0.000513	0.00121	1	02/03/2024 19:30	WG2219508
trans-1,3-Dichloropropene	U	J3	0.000815	0.00121	1	02/03/2024 19:30	WG2219508
2,2-Dichloropropane	U		0.000453	0.00121	1	02/03/2024 19:30	WG2219508
Di-isopropyl ether	U		0.000267	0.00121	1	02/03/2024 19:30	WG2219508
Ethylbenzene	U		0.000362	0.00121	1	02/03/2024 19:30	WG2219508
Hexachloro-1,3-butadiene	U		0.000413	0.00121	1	02/03/2024 19:30	WG2219508
Isopropylbenzene	U		0.000513	0.00121	1	02/03/2024 19:30	WG2219508
p-Isopropyltoluene	U		0.000246	0.00121	1	02/03/2024 19:30	WG2219508
2-Butanone (MEK)	U		0.00565	0.0121	1	02/03/2024 19:30	WG2219508
Methylene Chloride	U		0.00121	0.00604	1	02/03/2024 19:30	WG2219508
4-Methyl-2-pentanone (MIBK)	U	J3	0.00115	0.0121	1	02/03/2024 19:30	WG2219508
Methyl tert-butyl ether	U		0.000423	0.00121	1	02/03/2024 19:30	WG2219508
Naphthalene	U		0.00601	0.00604	1	02/03/2024 19:30	WG2219508
n-Propylbenzene	U		0.000249	0.00121	1	02/03/2024 19:30	WG2219508
Styrene	U		0.000269	0.00121	1	02/03/2024 19:30	WG2219508
1,1,1,2-Tetrachloroethane	U	J3	0.000357	0.00121	1	02/03/2024 19:30	WG2219508
1,1,2,2-Tetrachloroethane	U		0.000279	0.00121	1	02/03/2024 19:30	WG2219508
1,1,2-Trichlorotrifluoroethane	U		0.000514	0.00121	1	02/03/2024 19:30	WG2219508
Tetrachloroethene	U		0.000393	0.00121	1	02/03/2024 19:30	WG2219508
Toluene	U		0.00149	0.00604	1	02/03/2024 19:30	WG2219508
1,2,3-Trichlorobenzene	U		0.000370	0.00121	1	02/03/2024 19:30	WG2219508
1,2,4-Trichlorobenzene	U		0.000469	0.00121	1	02/03/2024 19:30	WG2219508
1,1,1-Trichloroethane	U		0.000447	0.00121	1	02/03/2024 19:30	WG2219508
1,1,2-Trichloroethane	U		0.000513	0.00121	1	02/03/2024 19:30	WG2219508
Trichloroethene	U		0.000242	0.00121	1	02/03/2024 19:30	WG2219508
Trichlorofluoromethane	U		0.000430	0.00604	1	02/03/2024 19:30	WG2219508
1,2,3-Trichloropropane	U		0.000295	0.00302	1	02/03/2024 19:30	WG2219508
1,2,4-Trimethylbenzene	U		0.000255	0.00121	1	02/03/2024 19:30	WG2219508
1,2,3-Trimethylbenzene	U		0.000347	0.00121	1	02/03/2024 19:30	WG2219508
1,3,5-Trimethylbenzene	U	J3	0.000321	0.00121	1	02/03/2024 19:30	WG2219508
Vinyl chloride	U		0.000273	0.00121	1	02/03/2024 19:30	WG2219508
Xylenes, Total	U		0.000604	0.00362	1	02/03/2024 19:30	WG2219508
(S) Toluene-d8	*104*			*75.0-131*		*02/03/2024 19:30*	WG2219508
(S) 4-Bromofluorobenzene	*92.3*			*67.0-138*		*02/03/2024 19:30*	WG2219508
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*02/03/2024 19:30*	WG2219508

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.28	J	0.929	4.83	1	02/05/2024 17:45	WG2219228
(S) o-Terphenyl	*56.0*			*18.0-148*		*02/05/2024 17:45*	WG2219228

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.00374	J	0.00278	0.00725	1	02/02/2024 17:12	WG2218571
Acenaphthene	U		0.00252	0.00725	1	02/02/2024 17:12	WG2218571
Acenaphthylene	0.00512	J	0.00261	0.00725	1	02/02/2024 17:12	WG2218571
Benzo(a)anthracene	0.00814		0.00209	0.00725	1	02/02/2024 17:12	WG2218571

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)pyrene	0.0197		0.00216	0.00725	1	02/02/2024 17:12	WG2218571
Benzo(b)fluoranthene	0.0303		0.00185	0.00725	1	02/02/2024 17:12	WG2218571
Benzo(g,h,i)perylene	0.0263		0.00214	0.00725	1	02/02/2024 17:12	WG2218571
Benzo(k)fluoranthene	0.00861		0.00260	0.00725	1	02/02/2024 17:12	WG2218571
Chrysene	0.0118		0.00280	0.00725	1	02/02/2024 17:12	WG2218571
Dibenz(a,h)anthracene	0.00558	J	0.00208	0.00725	1	02/02/2024 17:12	WG2218571
Fluoranthene	0.0114		0.00274	0.00725	1	02/02/2024 17:12	WG2218571
Fluorene	U		0.00248	0.00725	1	02/02/2024 17:12	WG2218571
Indeno(1,2,3-cd)pyrene	0.0196		0.00219	0.00725	1	02/02/2024 17:12	WG2218571
Naphthalene	0.0114	J	0.00493	0.0242	1	02/02/2024 17:12	WG2218571
Phenanthrene	0.0156		0.00279	0.00725	1	02/02/2024 17:12	WG2218571
Pyrene	0.0145		0.00242	0.00725	1	02/02/2024 17:12	WG2218571
1-Methylnaphthalene	0.0105	J	0.00542	0.0242	1	02/02/2024 17:12	WG2218571
2-Methylnaphthalene	0.0146	J	0.00516	0.0242	1	02/02/2024 17:12	WG2218571
2-Chloronaphthalene	U		0.00563	0.0242	1	02/02/2024 17:12	WG2218571
(S) Nitrobenzene-d5	*77.1*			*14.0-149*		*02/02/2024 17:12*	WG2218571
(S) 2-Fluorobiphenyl	*79.8*			*34.0-125*		*02/02/2024 17:12*	WG2218571
(S) p-Terphenyl-d14	*75.6*			*23.0-120*		*02/02/2024 17:12*	WG2218571

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.5		1	02/02/2024 11:58	WG2218511

Wet Chemistry by Method 9071B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH - Oil & Grease	105	J	38.6	117	1	02/06/2024 17:35	WG2220440

Sample Narrative:

L1701251-04 WG2220440: Total Oil&Grease is non-detect. Extract was not processed through silica gel.

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0211	0.0468	1	02/03/2024 14:00	WG2218643

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	12.1		0.606	2.34	1	02/03/2024 20:22	WG2218674
Barium	128		0.0997	0.585	1	02/03/2024 20:22	WG2218674
Cadmium	0.522	J	0.0551	0.585	1	02/03/2024 20:22	WG2218674
Chromium	42.8		0.156	1.17	1	02/03/2024 20:22	WG2218674
Lead	21.0		0.243	0.585	1	02/03/2024 20:22	WG2218674
Selenium	1.61	J	0.894	2.34	1	02/03/2024 20:22	WG2218674
Silver	U		0.149	1.17	1	02/03/2024 20:22	WG2218674

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/MS) Low Fraction	U		0.214	0.585	1	02/03/2024 19:51	WG2219508
Acetone	U		0.0242	0.0585	1	02/03/2024 19:51	WG2219508
Acrylonitrile	U		0.00236	0.0117	1	02/03/2024 19:51	WG2219508
Benzene	U		0.000439	0.00117	1	02/03/2024 19:51	WG2219508
Bromobenzene	U		0.000322	0.00117	1	02/03/2024 19:51	WG2219508
Bromodichloromethane	U		0.000848	0.00117	1	02/03/2024 19:51	WG2219508
Bromoform	U	J3	0.000496	0.00117	1	02/03/2024 19:51	WG2219508
Bromomethane	U	J3	0.00137	0.00585	1	02/03/2024 19:51	WG2219508
n-Butylbenzene	U	J3	0.000302	0.00117	1	02/03/2024 19:51	WG2219508
sec-Butylbenzene	U		0.000235	0.00117	1	02/03/2024 19:51	WG2219508
tert-Butylbenzene	U		0.000241	0.00117	1	02/03/2024 19:51	WG2219508
Carbon tetrachloride	U	J3	0.000290	0.00117	1	02/03/2024 19:51	WG2219508
Chlorobenzene	U		0.000225	0.00117	1	02/03/2024 19:51	WG2219508
Chlorodibromomethane	U		0.000262	0.00117	1	02/03/2024 19:51	WG2219508
Chloroethane	U		0.00117	0.00585	1	02/03/2024 19:51	WG2219508
Chloroform	U		0.00121	0.00585	1	02/03/2024 19:51	WG2219508
Chloromethane	U		0.000761	0.00293	1	02/03/2024 19:51	WG2219508
2-Chlorotoluene	U		0.000263	0.00117	1	02/03/2024 19:51	WG2219508
4-Chlorotoluene	U		0.000809	0.00117	1	02/03/2024 19:51	WG2219508
1,2-Dibromo-3-Chloropropane	U		0.00222	0.00585	1	02/03/2024 19:51	WG2219508
1,2-Dibromoethane	U		0.000293	0.00117	1	02/03/2024 19:51	WG2219508
Dibromomethane	U		0.000410	0.00117	1	02/03/2024 19:51	WG2219508
1,2-Dichlorobenzene	U		0.000497	0.00117	1	02/03/2024 19:51	WG2219508
1,3-Dichlorobenzene	U		0.000702	0.00117	1	02/03/2024 19:51	WG2219508
1,4-Dichlorobenzene	U		0.000971	0.00117	1	02/03/2024 19:51	WG2219508

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.000336	0.00585	1	02/03/2024 19:51	WG2219508
1,1-Dichloroethane	U	J4	0.000314	0.00117	1	02/03/2024 19:51	WG2219508
1,2-Dichloroethane	U		0.000527	0.00117	1	02/03/2024 19:51	WG2219508
1,1-Dichloroethene	U		0.000415	0.00117	1	02/03/2024 19:51	WG2219508
cis-1,2-Dichloroethene	U		0.000556	0.00117	1	02/03/2024 19:51	WG2219508
trans-1,2-Dichloroethene	U		0.000585	0.00117	1	02/03/2024 19:51	WG2219508
1,2-Dichloropropane	U	J4	0.000192	0.00117	1	02/03/2024 19:51	WG2219508
1,1-Dichloropropene	U		0.000439	0.00117	1	02/03/2024 19:51	WG2219508
1,3-Dichloropropane	U		0.000263	0.00117	1	02/03/2024 19:51	WG2219508
cis-1,3-Dichloropropene	U		0.000497	0.00117	1	02/03/2024 19:51	WG2219508
trans-1,3-Dichloropropene	U	J3	0.000790	0.00117	1	02/03/2024 19:51	WG2219508
2,2-Dichloropropane	U		0.000439	0.00117	1	02/03/2024 19:51	WG2219508
Di-isopropyl ether	U		0.000259	0.00117	1	02/03/2024 19:51	WG2219508
Ethylbenzene	U		0.000351	0.00117	1	02/03/2024 19:51	WG2219508
Hexachloro-1,3-butadiene	U		0.000400	0.00117	1	02/03/2024 19:51	WG2219508
Isopropylbenzene	U		0.000497	0.00117	1	02/03/2024 19:51	WG2219508
p-Isopropyltoluene	U		0.000239	0.00117	1	02/03/2024 19:51	WG2219508
2-Butanone (MEK)	U		0.00548	0.0117	1	02/03/2024 19:51	WG2219508
Methylene Chloride	U		0.00117	0.00585	1	02/03/2024 19:51	WG2219508
4-Methyl-2-pentanone (MIBK)	U	J3	0.00111	0.0117	1	02/03/2024 19:51	WG2219508
Methyl tert-butyl ether	U		0.000410	0.00117	1	02/03/2024 19:51	WG2219508
Naphthalene	U		0.00583	0.00585	1	02/03/2024 19:51	WG2219508
n-Propylbenzene	U		0.000241	0.00117	1	02/03/2024 19:51	WG2219508
Styrene	U		0.000261	0.00117	1	02/03/2024 19:51	WG2219508
1,1,1,2-Tetrachloroethane	U	J3	0.000346	0.00117	1	02/03/2024 19:51	WG2219508
1,1,2,2-Tetrachloroethane	U		0.000270	0.00117	1	02/03/2024 19:51	WG2219508
1,1,2-Trichlorotrifluoroethane	U		0.000499	0.00117	1	02/03/2024 19:51	WG2219508
Tetrachloroethene	U		0.000380	0.00117	1	02/03/2024 19:51	WG2219508
Toluene	U		0.00144	0.00585	1	02/03/2024 19:51	WG2219508
1,2,3-Trichlorobenzene	U		0.000358	0.00117	1	02/03/2024 19:51	WG2219508
1,2,4-Trichlorobenzene	U		0.000454	0.00117	1	02/03/2024 19:51	WG2219508
1,1,1-Trichloroethane	U		0.000433	0.00117	1	02/03/2024 19:51	WG2219508
1,1,2-Trichloroethane	U		0.000497	0.00117	1	02/03/2024 19:51	WG2219508
Trichloroethene	U		0.000234	0.00117	1	02/03/2024 19:51	WG2219508
Trichlorofluoromethane	U		0.000417	0.00585	1	02/03/2024 19:51	WG2219508
1,2,3-Trichloropropane	U		0.000286	0.00293	1	02/03/2024 19:51	WG2219508
1,2,4-Trimethylbenzene	U		0.000247	0.00117	1	02/03/2024 19:51	WG2219508
1,2,3-Trimethylbenzene	U		0.000336	0.00117	1	02/03/2024 19:51	WG2219508
1,3,5-Trimethylbenzene	U	J3	0.000311	0.00117	1	02/03/2024 19:51	WG2219508
Vinyl chloride	U		0.000264	0.00117	1	02/03/2024 19:51	WG2219508
Xylenes, Total	U		0.000585	0.00351	1	02/03/2024 19:51	WG2219508
(S) Toluene-d8	*105*			*75.0-131*		*02/03/2024 19:51*	WG2219508
(S) 4-Bromofluorobenzene	*93.7*			*67.0-138*		*02/03/2024 19:51*	WG2219508
(S) 1,2-Dichloroethane-d4	*156*	J1		*70.0-130*		*02/03/2024 19:51*	WG2219508

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2.54	J	0.900	4.68	1	02/05/2024 16:00	WG2219228
(S) o-Terphenyl	*59.8*			*18.0-148*		*02/05/2024 16:00*	WG2219228

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00269	0.00702	1	02/02/2024 13:43	WG2218571
Acenaphthene	U		0.00245	0.00702	1	02/02/2024 13:43	WG2218571
Acenaphthylene	U		0.00253	0.00702	1	02/02/2024 13:43	WG2218571
Benzo(a)anthracene	U		0.00202	0.00702	1	02/02/2024 13:43	WG2218571
Benzo(a)pyrene	U		0.00209	0.00702	1	02/02/2024 13:43	WG2218571
Benzo(b)fluoranthene	U		0.00179	0.00702	1	02/02/2024 13:43	WG2218571
Benzo(g,h,i)perylene	U		0.00207	0.00702	1	02/02/2024 13:43	WG2218571
Benzo(k)fluoranthene	U		0.00252	0.00702	1	02/02/2024 13:43	WG2218571
Chrysene	U		0.00271	0.00702	1	02/02/2024 13:43	WG2218571
Dibenz(a,h)anthracene	U		0.00201	0.00702	1	02/02/2024 13:43	WG2218571
Fluoranthene	U		0.00266	0.00702	1	02/02/2024 13:43	WG2218571
Fluorene	U		0.00240	0.00702	1	02/02/2024 13:43	WG2218571
Indeno(1,2,3-cd)pyrene	U		0.00212	0.00702	1	02/02/2024 13:43	WG2218571
Naphthalene	U		0.00477	0.0234	1	02/02/2024 13:43	WG2218571
Phenanthrene	U		0.00270	0.00702	1	02/02/2024 13:43	WG2218571
Pyrene	U		0.00234	0.00702	1	02/02/2024 13:43	WG2218571
1-Methylnaphthalene	U		0.00525	0.0234	1	02/02/2024 13:43	WG2218571
2-Methylnaphthalene	U		0.00500	0.0234	1	02/02/2024 13:43	WG2218571
2-Chloronaphthalene	U		0.00545	0.0234	1	02/02/2024 13:43	WG2218571
(S) Nitrobenzene-d5	*76.1*			*14.0-149*		*02/02/2024 13:43*	WG2218571
(S) 2-Fluorobiphenyl	*74.0*			*34.0-125*		*02/02/2024 13:43*	WG2218571
(S) p-Terphenyl-d14	*71.4*			*23.0-120*		*02/02/2024 13:43*	WG2218571

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.1		1	02/02/2024 11:58	WG2218511

Wet Chemistry by Method 9071B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH - Oil & Grease	124	J	41.2	125	1	02/07/2024 22:49	WG2222013

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	1.02		0.0225	0.0500	1	02/03/2024 14:03	WG2218643

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	15.4		0.647	2.50	1	02/03/2024 20:24	WG2218674
Barium	136		0.106	0.624	1	02/03/2024 20:24	WG2218674
Cadmium	1.74		0.0588	0.624	1	02/03/2024 20:24	WG2218674
Chromium	43.3		0.166	1.25	1	02/03/2024 20:24	WG2218674
Lead	248		0.260	0.624	1	02/03/2024 20:24	WG2218674
Selenium	U		0.954	2.50	1	02/03/2024 20:24	WG2218674
Silver	2.03		0.159	1.25	1	02/03/2024 20:24	WG2218674

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/MS) Low Fraction	U		0.231	0.631	1.01	02/03/2024 20:12	WG2219508
Acetone	U		0.0261	0.0631	1.01	02/03/2024 20:12	WG2219508
Acrylonitrile	U		0.00255	0.0126	1.01	02/03/2024 20:12	WG2219508
Benzene	0.000561	J	0.000473	0.00126	1.01	02/03/2024 20:12	WG2219508
Bromobenzene	U		0.000347	0.00126	1.01	02/03/2024 20:12	WG2219508
Bromodichloromethane	U		0.000914	0.00126	1.01	02/03/2024 20:12	WG2219508
Bromoform	U	J3	0.000534	0.00126	1.01	02/03/2024 20:12	WG2219508
Bromomethane	U	J3	0.00147	0.00631	1.01	02/03/2024 20:12	WG2219508
n-Butylbenzene	U	J3	0.000326	0.00126	1.01	02/03/2024 20:12	WG2219508
sec-Butylbenzene	U		0.000254	0.00126	1.01	02/03/2024 20:12	WG2219508
tert-Butylbenzene	U		0.000260	0.00126	1.01	02/03/2024 20:12	WG2219508
Carbon tetrachloride	U	J3	0.000312	0.00126	1.01	02/03/2024 20:12	WG2219508
Chlorobenzene	U		0.000242	0.00126	1.01	02/03/2024 20:12	WG2219508
Chlorodibromomethane	U		0.000282	0.00126	1.01	02/03/2024 20:12	WG2219508
Chloroethane	U		0.00126	0.00631	1.01	02/03/2024 20:12	WG2219508
Chloroform	U		0.00130	0.00631	1.01	02/03/2024 20:12	WG2219508
Chloromethane	U		0.000819	0.00316	1.01	02/03/2024 20:12	WG2219508
2-Chlorotoluene	U		0.000283	0.00126	1.01	02/03/2024 20:12	WG2219508
4-Chlorotoluene	U		0.000872	0.00126	1.01	02/03/2024 20:12	WG2219508
1,2-Dibromo-3-Chloropropane	U		0.00240	0.00631	1.01	02/03/2024 20:12	WG2219508
1,2-Dibromoethane	U		0.000316	0.00126	1.01	02/03/2024 20:12	WG2219508
Dibromomethane	U		0.000441	0.00126	1.01	02/03/2024 20:12	WG2219508
1,2-Dichlorobenzene	U		0.000536	0.00126	1.01	02/03/2024 20:12	WG2219508
1,3-Dichlorobenzene	U		0.000757	0.00126	1.01	02/03/2024 20:12	WG2219508
1,4-Dichlorobenzene	U		0.00105	0.00126	1.01	02/03/2024 20:12	WG2219508
Dichlorodifluoromethane	U		0.000362	0.00631	1.01	02/03/2024 20:12	WG2219508
1,1-Dichloroethane	U	J4	0.000338	0.00126	1.01	02/03/2024 20:12	WG2219508
1,2-Dichloroethane	U		0.000568	0.00126	1.01	02/03/2024 20:12	WG2219508

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1-Dichloroethene	U		0.000448	0.00126	1.01	02/03/2024 20:12	WG2219508
cis-1,2-Dichloroethene	U		0.000599	0.00126	1.01	02/03/2024 20:12	WG2219508
trans-1,2-Dichloroethene	U		0.000631	0.00126	1.01	02/03/2024 20:12	WG2219508
1,2-Dichloropropane	U	J4	0.000207	0.00126	1.01	02/03/2024 20:12	WG2219508
1,1-Dichloropropene	U		0.000473	0.00126	1.01	02/03/2024 20:12	WG2219508
1,3-Dichloropropane	U		0.000283	0.00126	1.01	02/03/2024 20:12	WG2219508
cis-1,3-Dichloropropene	U		0.000536	0.00126	1.01	02/03/2024 20:12	WG2219508
trans-1,3-Dichloropropene	U	J3	0.000852	0.00126	1.01	02/03/2024 20:12	WG2219508
2,2-Dichloropropane	U		0.000473	0.00126	1.01	02/03/2024 20:12	WG2219508
Di-isopropyl ether	U		0.000278	0.00126	1.01	02/03/2024 20:12	WG2219508
Ethylbenzene	U		0.000378	0.00126	1.01	02/03/2024 20:12	WG2219508
Hexachloro-1,3-butadiene	U		0.000431	0.00126	1.01	02/03/2024 20:12	WG2219508
Isopropylbenzene	U		0.000536	0.00126	1.01	02/03/2024 20:12	WG2219508
p-Isopropyltoluene	U		0.000257	0.00126	1.01	02/03/2024 20:12	WG2219508
2-Butanone (MEK)	U		0.00591	0.0126	1.01	02/03/2024 20:12	WG2219508
Methylene Chloride	U		0.00126	0.00631	1.01	02/03/2024 20:12	WG2219508
4-Methyl-2-pentanone (MIBK)	U	J3	0.00120	0.0126	1.01	02/03/2024 20:12	WG2219508
Methyl tert-butyl ether	U		0.000441	0.00126	1.01	02/03/2024 20:12	WG2219508
Naphthalene	U		0.00628	0.00631	1.01	02/03/2024 20:12	WG2219508
n-Propylbenzene	U		0.000260	0.00126	1.01	02/03/2024 20:12	WG2219508
Styrene	U		0.000281	0.00126	1.01	02/03/2024 20:12	WG2219508
1,1,1,2-Tetrachloroethane	U	J3	0.000373	0.00126	1.01	02/03/2024 20:12	WG2219508
1,1,2,2-Tetrachloroethane	U		0.000291	0.00126	1.01	02/03/2024 20:12	WG2219508
1,1,2-Trichlorotrifluoroethane	U		0.000537	0.00126	1.01	02/03/2024 20:12	WG2219508
Tetrachloroethene	U		0.000410	0.00126	1.01	02/03/2024 20:12	WG2219508
Toluene	U		0.00155	0.00631	1.01	02/03/2024 20:12	WG2219508
1,2,3-Trichlorobenzene	U		0.000386	0.00126	1.01	02/03/2024 20:12	WG2219508
1,2,4-Trichlorobenzene	U		0.000490	0.00126	1.01	02/03/2024 20:12	WG2219508
1,1,1-Trichloroethane	U		0.000467	0.00126	1.01	02/03/2024 20:12	WG2219508
1,1,2-Trichloroethane	U		0.000536	0.00126	1.01	02/03/2024 20:12	WG2219508
Trichloroethene	U		0.000252	0.00126	1.01	02/03/2024 20:12	WG2219508
Trichlorofluoromethane	U		0.000450	0.00631	1.01	02/03/2024 20:12	WG2219508
1,2,3-Trichloropropane	U		0.000307	0.00316	1.01	02/03/2024 20:12	WG2219508
1,2,4-Trimethylbenzene	U		0.000266	0.00126	1.01	02/03/2024 20:12	WG2219508
1,2,3-Trimethylbenzene	U		0.000362	0.00126	1.01	02/03/2024 20:12	WG2219508
1,3,5-Trimethylbenzene	U	J3	0.000336	0.00126	1.01	02/03/2024 20:12	WG2219508
Vinyl chloride	U		0.000285	0.00126	1.01	02/03/2024 20:12	WG2219508
Xylenes, Total	U		0.000631	0.00378	1.01	02/03/2024 20:12	WG2219508
(S) Toluene-d8	*105*			*75.0-131*		*02/03/2024 20:12*	WG2219508
(S) 4-Bromofluorobenzene	*91.9*			*67.0-138*		*02/03/2024 20:12*	WG2219508
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*02/03/2024 20:12*	WG2219508

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	26.2		0.960	5.00	1	02/05/2024 18:37	WG2219228
(S) o-Terphenyl	*58.3*			*18.0-148*		*02/05/2024 18:37*	WG2219228

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.00325	J	0.00287	0.00749	1	02/02/2024 17:29	WG2218571
Acenaphthene	U		0.00261	0.00749	1	02/02/2024 17:29	WG2218571
Acenaphthylene	U		0.00270	0.00749	1	02/02/2024 17:29	WG2218571
Benzo(a)anthracene	0.00780		0.00216	0.00749	1	02/02/2024 17:29	WG2218571

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)pyrene	0.0108		0.00224	0.00749	1	02/02/2024 17:29	WG2218571
Benzo(b)fluoranthene	0.0181		0.00191	0.00749	1	02/02/2024 17:29	WG2218571
Benzo(g,h,i)perylene	0.0145		0.00221	0.00749	1	02/02/2024 17:29	WG2218571
Benzo(k)fluoranthene	0.00501	J	0.00268	0.00749	1	02/02/2024 17:29	WG2218571
Chrysene	0.0113		0.00290	0.00749	1	02/02/2024 17:29	WG2218571
Dibenz(a,h)anthracene	0.00245	J	0.00215	0.00749	1	02/02/2024 17:29	WG2218571
Fluoranthene	0.0140		0.00283	0.00749	1	02/02/2024 17:29	WG2218571
Fluorene	U		0.00256	0.00749	1	02/02/2024 17:29	WG2218571
Indeno(1,2,3-cd)pyrene	0.00942		0.00226	0.00749	1	02/02/2024 17:29	WG2218571
Naphthalene	0.0225	J	0.00510	0.0250	1	02/02/2024 17:29	WG2218571
Phenanthrene	0.0167		0.00288	0.00749	1	02/02/2024 17:29	WG2218571
Pyrene	0.0123		0.00250	0.00749	1	02/02/2024 17:29	WG2218571
1-Methylnaphthalene	0.0245	J	0.00561	0.0250	1	02/02/2024 17:29	WG2218571
2-Methylnaphthalene	0.0297		0.00533	0.0250	1	02/02/2024 17:29	WG2218571
2-Chloronaphthalene	U		0.00582	0.0250	1	02/02/2024 17:29	WG2218571
(S) Nitrobenzene-d5	*82.1*			*14.0-149*		*02/02/2024 17:29*	WG2218571
(S) 2-Fluorobiphenyl	*80.2*			*34.0-125*		*02/02/2024 17:29*	WG2218571
(S) p-Terphenyl-d14	*75.7*			*23.0-120*		*02/02/2024 17:29*	WG2218571

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.8		1	02/02/2024 11:58	WG2218511

Wet Chemistry by Method 9071B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH - Oil & Grease	111	J	40.8	124	1	02/07/2024 22:49	WG2222013

Sample Narrative:

L1701251-06 WG2222013: Total Oil&Grease is non-detect. Extract was not processed through silica gel.

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	1.28		0.0223	0.0495	1	02/03/2024 14:05	WG2218643

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	13.0		0.641	2.48	1	02/03/2024 20:25	WG2218674
Barium	269		0.105	0.619	1	02/03/2024 20:25	WG2218674
Cadmium	2.24		0.0583	0.619	1	02/03/2024 20:25	WG2218674
Chromium	30.9		0.165	1.24	1	02/03/2024 20:25	WG2218674
Lead	147		0.257	0.619	1	02/03/2024 20:25	WG2218674
Selenium	1.29	J	0.946	2.48	1	02/03/2024 20:25	WG2218674
Silver	2.21		0.157	1.24	1	02/03/2024 20:25	WG2218674

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/MS) Low Fraction	U		0.227	0.619	1	02/03/2024 20:34	WG2219508
Acetone	U		0.0256	0.0619	1	02/03/2024 20:34	WG2219508
Acrylonitrile	U		0.00250	0.0124	1	02/03/2024 20:34	WG2219508
Benzene	0.000557	J	0.000464	0.00124	1	02/03/2024 20:34	WG2219508
Bromobenzene	U		0.000340	0.00124	1	02/03/2024 20:34	WG2219508
Bromodichloromethane	U		0.000897	0.00124	1	02/03/2024 20:34	WG2219508
Bromoform	U	J3	0.000525	0.00124	1	02/03/2024 20:34	WG2219508
Bromomethane	U	J3	0.00145	0.00619	1	02/03/2024 20:34	WG2219508
n-Butylbenzene	U	J3	0.000319	0.00124	1	02/03/2024 20:34	WG2219508
sec-Butylbenzene	U		0.000249	0.00124	1	02/03/2024 20:34	WG2219508
tert-Butylbenzene	U		0.000255	0.00124	1	02/03/2024 20:34	WG2219508
Carbon tetrachloride	U	J3	0.000307	0.00124	1	02/03/2024 20:34	WG2219508
Chlorobenzene	U		0.000238	0.00124	1	02/03/2024 20:34	WG2219508
Chlorodibromomethane	U		0.000277	0.00124	1	02/03/2024 20:34	WG2219508
Chloroethane	U		0.00124	0.00619	1	02/03/2024 20:34	WG2219508
Chloroform	U		0.00127	0.00619	1	02/03/2024 20:34	WG2219508
Chloromethane	U		0.000805	0.00309	1	02/03/2024 20:34	WG2219508
2-Chlorotoluene	U		0.000278	0.00124	1	02/03/2024 20:34	WG2219508
4-Chlorotoluene	U		0.000855	0.00124	1	02/03/2024 20:34	WG2219508
1,2-Dibromo-3-Chloropropane	U		0.00235	0.00619	1	02/03/2024 20:34	WG2219508
1,2-Dibromoethane	U		0.000309	0.00124	1	02/03/2024 20:34	WG2219508
Dibromomethane	U		0.000433	0.00124	1	02/03/2024 20:34	WG2219508
1,2-Dichlorobenzene	U		0.000526	0.00124	1	02/03/2024 20:34	WG2219508
1,3-Dichlorobenzene	U		0.000743	0.00124	1	02/03/2024 20:34	WG2219508
1,4-Dichlorobenzene	U		0.00103	0.00124	1	02/03/2024 20:34	WG2219508

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.000355	0.00619	1	02/03/2024 20:34	WG2219508
1,1-Dichloroethane	U	J4	0.000332	0.00124	1	02/03/2024 20:34	WG2219508
1,2-Dichloroethane	U		0.000557	0.00124	1	02/03/2024 20:34	WG2219508
1,1-Dichloroethene	U		0.000439	0.00124	1	02/03/2024 20:34	WG2219508
cis-1,2-Dichloroethene	U		0.000588	0.00124	1	02/03/2024 20:34	WG2219508
trans-1,2-Dichloroethene	U		0.000619	0.00124	1	02/03/2024 20:34	WG2219508
1,2-Dichloropropane	U	J4	0.000203	0.00124	1	02/03/2024 20:34	WG2219508
1,1-Dichloropropene	U		0.000464	0.00124	1	02/03/2024 20:34	WG2219508
1,3-Dichloropropane	U		0.000278	0.00124	1	02/03/2024 20:34	WG2219508
cis-1,3-Dichloropropene	U		0.000526	0.00124	1	02/03/2024 20:34	WG2219508
trans-1,3-Dichloropropene	U	J3	0.000835	0.00124	1	02/03/2024 20:34	WG2219508
2,2-Dichloropropane	U		0.000464	0.00124	1	02/03/2024 20:34	WG2219508
Di-isopropyl ether	U		0.000274	0.00124	1	02/03/2024 20:34	WG2219508
Ethylbenzene	U		0.000371	0.00124	1	02/03/2024 20:34	WG2219508
Hexachloro-1,3-butadiene	U		0.000423	0.00124	1	02/03/2024 20:34	WG2219508
Isopropylbenzene	U		0.000526	0.00124	1	02/03/2024 20:34	WG2219508
p-Isopropyltoluene	U		0.000252	0.00124	1	02/03/2024 20:34	WG2219508
2-Butanone (MEK)	U		0.00579	0.0124	1	02/03/2024 20:34	WG2219508
Methylene Chloride	U		0.00124	0.00619	1	02/03/2024 20:34	WG2219508
4-Methyl-2-pentanone (MIBK)	U	J3	0.00118	0.0124	1	02/03/2024 20:34	WG2219508
Methyl tert-butyl ether	U		0.000433	0.00124	1	02/03/2024 20:34	WG2219508
Naphthalene	U		0.00616	0.00619	1	02/03/2024 20:34	WG2219508
n-Propylbenzene	U		0.000255	0.00124	1	02/03/2024 20:34	WG2219508
Styrene	U		0.000276	0.00124	1	02/03/2024 20:34	WG2219508
1,1,1,2-Tetrachloroethane	U	J3	0.000366	0.00124	1	02/03/2024 20:34	WG2219508
1,1,2,2-Tetrachloroethane	U		0.000286	0.00124	1	02/03/2024 20:34	WG2219508
1,1,2-Trichlorotrifluoroethane	U		0.000527	0.00124	1	02/03/2024 20:34	WG2219508
Tetrachloroethene	U		0.000402	0.00124	1	02/03/2024 20:34	WG2219508
Toluene	U		0.00152	0.00619	1	02/03/2024 20:34	WG2219508
1,2,3-Trichlorobenzene	U		0.000379	0.00124	1	02/03/2024 20:34	WG2219508
1,2,4-Trichlorobenzene	U		0.000480	0.00124	1	02/03/2024 20:34	WG2219508
1,1,1-Trichloroethane	U		0.000458	0.00124	1	02/03/2024 20:34	WG2219508
1,1,2-Trichloroethane	U		0.000526	0.00124	1	02/03/2024 20:34	WG2219508
Trichloroethene	U		0.000248	0.00124	1	02/03/2024 20:34	WG2219508
Trichlorofluoromethane	U		0.000441	0.00619	1	02/03/2024 20:34	WG2219508
1,2,3-Trichloropropane	U		0.000302	0.00309	1	02/03/2024 20:34	WG2219508
1,2,4-Trimethylbenzene	U		0.000261	0.00124	1	02/03/2024 20:34	WG2219508
1,2,3-Trimethylbenzene	U		0.000355	0.00124	1	02/03/2024 20:34	WG2219508
1,3,5-Trimethylbenzene	U	J3	0.000329	0.00124	1	02/03/2024 20:34	WG2219508
Vinyl chloride	U		0.000280	0.00124	1	02/03/2024 20:34	WG2219508
Xylenes, Total	U		0.000619	0.00371	1	02/03/2024 20:34	WG2219508
(S) Toluene-d8	*109*			*75.0-131*		*02/03/2024 20:34*	WG2219508
(S) 4-Bromofluorobenzene	*89.8*			*67.0-138*		*02/03/2024 20:34*	WG2219508
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*02/03/2024 20:34*	WG2219508

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	6.97		0.952	4.95	1	02/05/2024 17:58	WG2219228
(S) o-Terphenyl	*45.7*			*18.0-148*		*02/05/2024 17:58*	WG2219228

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00285	0.00743	1	02/02/2024 14:01	WG2218571
Acenaphthene	U		0.00259	0.00743	1	02/02/2024 14:01	WG2218571
Acenaphthylene	U		0.00267	0.00743	1	02/02/2024 14:01	WG2218571
Benzo(a)anthracene	U		0.00214	0.00743	1	02/02/2024 14:01	WG2218571
Benzo(a)pyrene	U		0.00222	0.00743	1	02/02/2024 14:01	WG2218571
Benzo(b)fluoranthene	0.00248	J	0.00189	0.00743	1	02/02/2024 14:01	WG2218571
Benzo(g,h,i)perylene	U		0.00219	0.00743	1	02/02/2024 14:01	WG2218571
Benzo(k)fluoranthene	U		0.00266	0.00743	1	02/02/2024 14:01	WG2218571
Chrysene	U		0.00287	0.00743	1	02/02/2024 14:01	WG2218571
Dibenz(a,h)anthracene	U		0.00213	0.00743	1	02/02/2024 14:01	WG2218571
Fluoranthene	U		0.00281	0.00743	1	02/02/2024 14:01	WG2218571
Fluorene	U		0.00254	0.00743	1	02/02/2024 14:01	WG2218571
Indeno(1,2,3-cd)pyrene	U		0.00224	0.00743	1	02/02/2024 14:01	WG2218571
Naphthalene	U		0.00505	0.0248	1	02/02/2024 14:01	WG2218571
Phenanthrene	U		0.00286	0.00743	1	02/02/2024 14:01	WG2218571
Pyrene	U		0.00248	0.00743	1	02/02/2024 14:01	WG2218571
1-Methylnaphthalene	U		0.00556	0.0248	1	02/02/2024 14:01	WG2218571
2-Methylnaphthalene	U		0.00529	0.0248	1	02/02/2024 14:01	WG2218571
2-Chloronaphthalene	U		0.00577	0.0248	1	02/02/2024 14:01	WG2218571
(S) Nitrobenzene-d5	*75.9*			*14.0-149*		*02/02/2024 14:01*	WG2218571
(S) 2-Fluorobiphenyl	*78.0*			*34.0-125*		*02/02/2024 14:01*	WG2218571
(S) p-Terphenyl-d14	*76.9*			*23.0-120*		*02/02/2024 14:01*	WG2218571

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.3		1	02/02/2024 11:36	WG2218512

Wet Chemistry by Method 9071B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH - Oil & Grease	11500		343	1040	10	02/07/2024 22:49	WG2222013

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.197		0.0187	0.0416	1	02/03/2024 14:08	WG2218643

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	37.4		0.538	2.08	1	02/03/2024 20:27	WG2218674
Barium	81.4		0.0885	0.519	1	02/03/2024 20:27	WG2218674
Cadmium	7.73		0.0489	0.519	1	02/03/2024 20:27	WG2218674
Chromium	17.8		0.138	1.04	1	02/03/2024 20:27	WG2218674
Lead	1000		0.216	0.519	1	02/03/2024 20:27	WG2218674
Selenium	2.74		0.794	2.08	1	02/03/2024 20:27	WG2218674
Silver	7.46		0.132	1.04	1	02/03/2024 20:27	WG2218674

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/MS) Low Fraction	0.283	J	0.190	0.519	1	02/03/2024 20:55	WG2219508
Acetone	U		0.0215	0.0519	1	02/03/2024 20:55	WG2219508
Acrylonitrile	U		0.00210	0.0104	1	02/03/2024 20:55	WG2219508
Benzene	0.00412		0.000390	0.00104	1	02/03/2024 20:55	WG2219508
Bromobenzene	U		0.000286	0.00104	1	02/08/2024 20:07	WG2222785
Bromodichloromethane	U		0.000753	0.00104	1	02/03/2024 20:55	WG2219508
Bromoform	U		0.000440	0.00104	1	02/08/2024 20:07	WG2222785
Bromomethane	U	J3	0.00122	0.00519	1	02/03/2024 20:55	WG2219508
n-Butylbenzene	U		0.000268	0.00104	1	02/08/2024 20:07	WG2222785
sec-Butylbenzene	U		0.000209	0.00104	1	02/08/2024 20:07	WG2222785
tert-Butylbenzene	U		0.000214	0.00104	1	02/08/2024 20:07	WG2222785
Carbon tetrachloride	U	J3	0.000258	0.00104	1	02/03/2024 20:55	WG2219508
Chlorobenzene	U		0.000199	0.00104	1	02/08/2024 20:07	WG2222785
Chlorodibromomethane	U		0.000233	0.00104	1	02/08/2024 20:07	WG2222785
Chloroethane	U		0.00104	0.00519	1	02/03/2024 20:55	WG2219508
Chloroform	U		0.00107	0.00519	1	02/03/2024 20:55	WG2219508
Chloromethane	U		0.000675	0.00260	1	02/03/2024 20:55	WG2219508
2-Chlorotoluene	U		0.000234	0.00104	1	02/08/2024 20:07	WG2222785
4-Chlorotoluene	U		0.000718	0.00104	1	02/08/2024 20:07	WG2222785
1,2-Dibromo-3-Chloropropane	U		0.00197	0.00519	1	02/08/2024 20:07	WG2222785
1,2-Dibromoethane	U		0.000260	0.00104	1	02/08/2024 20:07	WG2222785
Dibromomethane	U		0.000364	0.00104	1	02/03/2024 20:55	WG2219508
1,2-Dichlorobenzene	U		0.000441	0.00104	1	02/08/2024 20:07	WG2222785
1,3-Dichlorobenzene	U		0.000623	0.00104	1	02/08/2024 20:07	WG2222785
1,4-Dichlorobenzene	U		0.000862	0.00104	1	02/08/2024 20:07	WG2222785
Dichlorodifluoromethane	U		0.000298	0.00519	1	02/03/2024 20:55	WG2219508
1,1-Dichloroethane	U	J4	0.000278	0.00104	1	02/03/2024 20:55	WG2219508
1,2-Dichloroethane	U		0.000467	0.00104	1	02/03/2024 20:55	WG2219508

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1-Dichloroethene	U		0.000369	0.00104	1	02/03/2024 20:55	WG2219508
cis-1,2-Dichloroethene	U		0.000493	0.00104	1	02/03/2024 20:55	WG2219508
trans-1,2-Dichloroethene	U		0.000519	0.00104	1	02/03/2024 20:55	WG2219508
1,2-Dichloropropane	U	J4	0.000170	0.00104	1	02/03/2024 20:55	WG2219508
1,1-Dichloropropene	U		0.000390	0.00104	1	02/03/2024 20:55	WG2219508
1,3-Dichloropropane	U		0.000234	0.00104	1	02/08/2024 20:07	WG2222785
cis-1,3-Dichloropropene	U		0.000441	0.00104	1	02/03/2024 20:55	WG2219508
trans-1,3-Dichloropropene	U		0.000701	0.00104	1	02/08/2024 20:07	WG2222785
2,2-Dichloropropane	U		0.000390	0.00104	1	02/03/2024 20:55	WG2219508
Di-isopropyl ether	U		0.000230	0.00104	1	02/03/2024 20:55	WG2219508
Ethylbenzene	0.00303		0.000312	0.00104	1	02/08/2024 20:07	WG2222785
Hexachloro-1,3-butadiene	U		0.000355	0.00104	1	02/08/2024 20:07	WG2222785
Isopropylbenzene	U		0.000441	0.00104	1	02/08/2024 20:07	WG2222785
p-Isopropyltoluene	U		0.000212	0.00104	1	02/08/2024 20:07	WG2222785
2-Butanone (MEK)	0.0106		0.00486	0.0104	1	02/03/2024 20:55	WG2219508
Methylene Chloride	0.00145	J	0.00104	0.00519	1	02/03/2024 20:55	WG2219508
4-Methyl-2-pentanone (MIBK)	U		0.000987	0.0104	1	02/08/2024 20:07	WG2222785
Methyl tert-butyl ether	U		0.000364	0.00104	1	02/03/2024 20:55	WG2219508
Naphthalene	U		0.00517	0.00519	1	02/08/2024 20:07	WG2222785
n-Propylbenzene	U		0.000214	0.00104	1	02/08/2024 20:07	WG2222785
Styrene	U		0.000232	0.00104	1	02/08/2024 20:07	WG2222785
1,1,1,2-Tetrachloroethane	U		0.000307	0.00104	1	02/08/2024 20:07	WG2222785
1,1,2,2-Tetrachloroethane	U		0.000240	0.00104	1	02/08/2024 20:07	WG2222785
1,1,2-Trichlorotrifluoroethane	U		0.000443	0.00104	1	02/03/2024 20:55	WG2219508
Tetrachloroethene	U		0.000338	0.00104	1	02/08/2024 20:07	WG2222785
Toluene	0.00293	J	0.00128	0.00519	1	02/08/2024 20:07	WG2222785
1,2,3-Trichlorobenzene	U		0.000318	0.00104	1	02/08/2024 20:07	WG2222785
1,2,4-Trichlorobenzene	U		0.000403	0.00104	1	02/08/2024 20:07	WG2222785
1,1,1-Trichloroethane	U		0.000384	0.00104	1	02/03/2024 20:55	WG2219508
1,1,2-Trichloroethane	U		0.000441	0.00104	1	02/08/2024 20:07	WG2222785
Trichloroethene	U		0.000208	0.00104	1	02/03/2024 20:55	WG2219508
Trichlorofluoromethane	U		0.000370	0.00519	1	02/03/2024 20:55	WG2219508
1,2,3-Trichloropropane	U		0.000253	0.00260	1	02/08/2024 20:07	WG2222785
1,2,4-Trimethylbenzene	0.000329	J	0.000219	0.00104	1	02/08/2024 20:07	WG2222785
1,2,3-Trimethylbenzene	U		0.000298	0.00104	1	02/08/2024 20:07	WG2222785
1,3,5-Trimethylbenzene	U		0.000276	0.00104	1	02/08/2024 20:07	WG2222785
Vinyl chloride	U		0.000235	0.00104	1	02/03/2024 20:55	WG2219508
Xylenes, Total	0.0166		0.000519	0.00312	1	02/08/2024 20:07	WG2222785
(S) Toluene-d8	*115*			*75.0-131*		*02/03/2024 20:55*	WG2219508
(S) Toluene-d8	*117*			*75.0-131*		*02/08/2024 20:07*	WG2222785
(S) 4-Bromofluorobenzene	*77.6*			*67.0-138*		*02/03/2024 20:55*	WG2219508
(S) 4-Bromofluorobenzene	*85.1*			*67.0-138*		*02/08/2024 20:07*	WG2222785
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*02/03/2024 20:55*	WG2219508
(S) 1,2-Dichloroethane-d4	*94.1*			*70.0-130*		*02/08/2024 20:07*	WG2222785

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2120		400	2080	500	02/06/2024 10:40	WG2219228
(S) o-Terphenyl	*0.000*	J7		*18.0-148*		*02/06/2024 10:40*	WG2219228

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00239	0.00623	1	02/08/2024 04:21	WG2218571
Acenaphthene	U		0.00217	0.00623	1	02/08/2024 04:21	WG2218571
Acenaphthylene	U		0.00224	0.00623	1	02/08/2024 04:21	WG2218571
Benzo(a)anthracene	U		0.0180	0.0623	10	02/08/2024 18:51	WG2218571
Benzo(a)pyrene	0.0725		0.0186	0.0623	10	02/08/2024 18:51	WG2218571
Benzo(b)fluoranthene	0.105		0.0159	0.0623	10	02/08/2024 18:51	WG2218571
Benzo(g,h,i)perylene	0.153		0.0184	0.0623	10	02/08/2024 18:51	WG2218571
Benzo(k)fluoranthene	U		0.0223	0.0623	10	02/08/2024 18:51	WG2218571
Chrysene	0.399		0.0241	0.0623	10	02/08/2024 18:51	WG2218571
Dibenz(a,h)anthracene	0.0550	J	0.0179	0.0623	10	02/08/2024 18:51	WG2218571
Fluoranthene	0.0164		0.00236	0.00623	1	02/08/2024 04:21	WG2218571
Fluorene	U		0.00213	0.00623	1	02/08/2024 04:21	WG2218571
Indeno(1,2,3-cd)pyrene	0.0271	J	0.0188	0.0623	10	02/08/2024 18:51	WG2218571
Naphthalene	U		0.00424	0.0208	1	02/08/2024 04:21	WG2218571
Phenanthrene	0.0251		0.00240	0.00623	1	02/08/2024 04:21	WG2218571
Pyrene	0.119		0.0208	0.0623	10	02/08/2024 18:51	WG2218571
1-Methylnaphthalene	U		0.00466	0.0208	1	02/08/2024 04:21	WG2218571
2-Methylnaphthalene	U		0.00444	0.0208	1	02/08/2024 04:21	WG2218571
2-Chloronaphthalene	U		0.00484	0.0208	1	02/08/2024 04:21	WG2218571
(S) Nitrobenzene-d5	*51.5*			*14.0-149*		*02/08/2024 18:51*	WG2218571
(S) Nitrobenzene-d5	*85.3*			*14.0-149*		*02/08/2024 04:21*	WG2218571
(S) 2-Fluorobiphenyl	*70.1*			*34.0-125*		*02/08/2024 04:21*	WG2218571
(S) 2-Fluorobiphenyl	*78.5*			*34.0-125*		*02/08/2024 18:51*	WG2218571
(S) p-Terphenyl-d14	*55.6*			*23.0-120*		*02/08/2024 04:21*	WG2218571
(S) p-Terphenyl-d14	*73.7*			*23.0-120*		*02/08/2024 18:51*	WG2218571

Sample Narrative:

L1701251-07 WG2218571: IS/SURR failed on lower dilution.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.2		1	02/02/2024 11:36	WG2218512

Wet Chemistry by Method 9071B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH - Oil & Grease	189		39.7	120	1	02/07/2024 22:49	WG2222013

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	1.45		0.0216	0.0481	1	02/03/2024 14:10	WG2218643

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	27.9		0.623	2.40	1	02/03/2024 20:28	WG2218674
Barium	219		0.102	0.601	1	02/03/2024 20:28	WG2218674
Cadmium	4.11		0.0566	0.601	1	02/03/2024 20:28	WG2218674
Chromium	23.1		0.160	1.20	1	02/03/2024 20:28	WG2218674
Lead	693		0.250	0.601	1	02/03/2024 20:28	WG2218674
Selenium	2.08	J	0.918	2.40	1	02/03/2024 20:28	WG2218674
Silver	4.92		0.153	1.20	1	02/03/2024 20:28	WG2218674

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/MS) Low Fraction	0.250	J	0.220	0.601	1	02/03/2024 21:17	WG2219508
Acetone	0.0707		0.0249	0.0601	1	02/03/2024 21:17	WG2219508
Acrylonitrile	U		0.00243	0.0120	1	02/03/2024 21:17	WG2219508
Benzene	U		0.000451	0.00120	1	02/03/2024 21:17	WG2219508
Bromobenzene	U		0.000331	0.00120	1	02/03/2024 21:17	WG2219508
Bromodichloromethane	U		0.000871	0.00120	1	02/03/2024 21:17	WG2219508
Bromoform	U	J3	0.000510	0.00120	1	02/03/2024 21:17	WG2219508
Bromomethane	U	J3	0.00141	0.00601	1	02/03/2024 21:17	WG2219508
n-Butylbenzene	U	J3	0.000310	0.00120	1	02/03/2024 21:17	WG2219508
sec-Butylbenzene	U		0.000242	0.00120	1	02/03/2024 21:17	WG2219508
tert-Butylbenzene	U		0.000248	0.00120	1	02/03/2024 21:17	WG2219508
Carbon tetrachloride	U	J3	0.000298	0.00120	1	02/03/2024 21:17	WG2219508
Chlorobenzene	U		0.000231	0.00120	1	02/03/2024 21:17	WG2219508
Chlorodibromomethane	U		0.000269	0.00120	1	02/03/2024 21:17	WG2219508
Chloroethane	U		0.00120	0.00601	1	02/03/2024 21:17	WG2219508
Chloroform	U		0.00124	0.00601	1	02/03/2024 21:17	WG2219508
Chloromethane	U		0.000781	0.00300	1	02/03/2024 21:17	WG2219508
2-Chlorotoluene	U		0.000270	0.00120	1	02/03/2024 21:17	WG2219508
4-Chlorotoluene	U		0.000831	0.00120	1	02/03/2024 21:17	WG2219508
1,2-Dibromo-3-Chloropropane	U		0.00228	0.00601	1	02/03/2024 21:17	WG2219508
1,2-Dibromoethane	U		0.000300	0.00120	1	02/03/2024 21:17	WG2219508
Dibromomethane	U		0.000421	0.00120	1	02/03/2024 21:17	WG2219508
1,2-Dichlorobenzene	U		0.000511	0.00120	1	02/03/2024 21:17	WG2219508
1,3-Dichlorobenzene	U		0.000721	0.00120	1	02/03/2024 21:17	WG2219508
1,4-Dichlorobenzene	U		0.000998	0.00120	1	02/03/2024 21:17	WG2219508
Dichlorodifluoromethane	U		0.000345	0.00601	1	02/03/2024 21:17	WG2219508
1,1-Dichloroethane	U	J4	0.000322	0.00120	1	02/03/2024 21:17	WG2219508
1,2-Dichloroethane	U		0.000541	0.00120	1	02/03/2024 21:17	WG2219508

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1-Dichloroethene	U		0.000427	0.00120	1	02/03/2024 21:17	WG2219508
cis-1,2-Dichloroethene	U		0.000571	0.00120	1	02/03/2024 21:17	WG2219508
trans-1,2-Dichloroethene	U		0.000601	0.00120	1	02/03/2024 21:17	WG2219508
1,2-Dichloropropane	U	J4	0.000197	0.00120	1	02/03/2024 21:17	WG2219508
1,1-Dichloropropene	U		0.000451	0.00120	1	02/03/2024 21:17	WG2219508
1,3-Dichloropropane	U		0.000270	0.00120	1	02/03/2024 21:17	WG2219508
cis-1,3-Dichloropropene	U		0.000511	0.00120	1	02/03/2024 21:17	WG2219508
trans-1,3-Dichloropropene	U	J3	0.000811	0.00120	1	02/03/2024 21:17	WG2219508
2,2-Dichloropropane	U		0.000451	0.00120	1	02/03/2024 21:17	WG2219508
Di-isopropyl ether	U		0.000266	0.00120	1	02/03/2024 21:17	WG2219508
Ethylbenzene	U		0.000361	0.00120	1	02/03/2024 21:17	WG2219508
Hexachloro-1,3-butadiene	U		0.000411	0.00120	1	02/03/2024 21:17	WG2219508
Isopropylbenzene	U		0.000511	0.00120	1	02/03/2024 21:17	WG2219508
p-Isopropyltoluene	U		0.000245	0.00120	1	02/03/2024 21:17	WG2219508
2-Butanone (MEK)	0.0138		0.00562	0.0120	1	02/03/2024 21:17	WG2219508
Methylene Chloride	U		0.00120	0.00601	1	02/03/2024 21:17	WG2219508
4-Methyl-2-pentanone (MIBK)	U	J3	0.00114	0.0120	1	02/03/2024 21:17	WG2219508
Methyl tert-butyl ether	U		0.000421	0.00120	1	02/03/2024 21:17	WG2219508
Naphthalene	U		0.00599	0.00601	1	02/03/2024 21:17	WG2219508
n-Propylbenzene	U		0.000248	0.00120	1	02/03/2024 21:17	WG2219508
Styrene	U		0.000268	0.00120	1	02/03/2024 21:17	WG2219508
1,1,1,2-Tetrachloroethane	U	J3	0.000356	0.00120	1	02/03/2024 21:17	WG2219508
1,1,2,2-Tetrachloroethane	U		0.000278	0.00120	1	02/03/2024 21:17	WG2219508
1,1,2-Trichlorotrifluoroethane	U		0.000512	0.00120	1	02/03/2024 21:17	WG2219508
Tetrachloroethene	U		0.000391	0.00120	1	02/03/2024 21:17	WG2219508
Toluene	U		0.00148	0.00601	1	02/03/2024 21:17	WG2219508
1,2,3-Trichlorobenzene	U		0.000368	0.00120	1	02/03/2024 21:17	WG2219508
1,2,4-Trichlorobenzene	U		0.000466	0.00120	1	02/03/2024 21:17	WG2219508
1,1,1-Trichloroethane	U		0.000445	0.00120	1	02/03/2024 21:17	WG2219508
1,1,2-Trichloroethane	U		0.000511	0.00120	1	02/03/2024 21:17	WG2219508
Trichloroethene	U		0.000240	0.00120	1	02/03/2024 21:17	WG2219508
Trichlorofluoromethane	U		0.000428	0.00601	1	02/03/2024 21:17	WG2219508
1,2,3-Trichloropropane	U		0.000293	0.00300	1	02/03/2024 21:17	WG2219508
1,2,4-Trimethylbenzene	U		0.000254	0.00120	1	02/03/2024 21:17	WG2219508
1,2,3-Trimethylbenzene	U		0.000345	0.00120	1	02/03/2024 21:17	WG2219508
1,3,5-Trimethylbenzene	U	J3	0.000320	0.00120	1	02/03/2024 21:17	WG2219508
Vinyl chloride	U		0.000272	0.00120	1	02/03/2024 21:17	WG2219508
Xylenes, Total	U		0.000601	0.00361	1	02/03/2024 21:17	WG2219508
(S) Toluene-d8	*85.9*			*75.0-131*		*02/03/2024 21:17*	WG2219508
(S) 4-Bromofluorobenzene	*63.9*	J2		*67.0-138*		*02/03/2024 21:17*	WG2219508
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*02/03/2024 21:17*	WG2219508

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	105		0.924	4.81	1	02/05/2024 18:11	WG2219228
(S) o-Terphenyl	*74.2*			*18.0-148*		*02/05/2024 18:11*	WG2219228

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.0214		0.00276	0.00721	1	02/02/2024 17:46	WG2218571
Acenaphthene	0.00487	J	0.00251	0.00721	1	02/02/2024 17:46	WG2218571
Acenaphthylene	U		0.00260	0.00721	1	02/02/2024 17:46	WG2218571
Benzo(a)anthracene	0.0278		0.00208	0.00721	1	02/02/2024 17:46	WG2218571

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)pyrene	0.0192		0.00215	0.00721	1	02/02/2024 17:46	WG2218571
Benzo(b)fluoranthene	0.0264		0.00184	0.00721	1	02/02/2024 17:46	WG2218571
Benzo(g,h,i)perylene	0.0149		0.00213	0.00721	1	02/02/2024 17:46	WG2218571
Benzo(k)fluoranthene	0.00781		0.00258	0.00721	1	02/02/2024 17:46	WG2218571
Chrysene	0.0312		0.00279	0.00721	1	02/02/2024 17:46	WG2218571
Dibenz(a,h)anthracene	U		0.00207	0.00721	1	02/02/2024 17:46	WG2218571
Fluoranthene	0.0531		0.00273	0.00721	1	02/02/2024 17:46	WG2218571
Fluorene	0.00984		0.00246	0.00721	1	02/02/2024 17:46	WG2218571
Indeno(1,2,3-cd)pyrene	0.0149		0.00218	0.00721	1	02/02/2024 17:46	WG2218571
Naphthalene	0.0823		0.00490	0.0240	1	02/02/2024 17:46	WG2218571
Phenanthrene	0.0841		0.00278	0.00721	1	02/02/2024 17:46	WG2218571
Pyrene	0.0477		0.00240	0.00721	1	02/02/2024 17:46	WG2218571
1-Methylnaphthalene	0.162		0.00540	0.0240	1	02/02/2024 17:46	WG2218571
2-Methylnaphthalene	0.148		0.00513	0.0240	1	02/02/2024 17:46	WG2218571
2-Chloronaphthalene	U		0.00560	0.0240	1	02/02/2024 17:46	WG2218571
(S) Nitrobenzene-d5	*79.4*			*14.0-149*		*02/02/2024 17:46*	WG2218571
(S) 2-Fluorobiphenyl	*76.7*			*34.0-125*		*02/02/2024 17:46*	WG2218571
(S) p-Terphenyl-d14	*74.4*			*23.0-120*		*02/02/2024 17:46*	WG2218571

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.0		1	02/02/2024 11:36	WG2218512

Wet Chemistry by Method 9071B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH - Oil & Grease	828		40.3	122	1	02/07/2024 22:49	WG2222013

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.864		0.0220	0.0488	1	02/03/2024 14:13	WG2218643

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	22.8		0.632	2.44	1	02/03/2024 20:30	WG2218674
Barium	379		0.104	0.610	1	02/03/2024 20:30	WG2218674
Cadmium	3.01		0.0575	0.610	1	02/03/2024 20:30	WG2218674
Chromium	29.2		0.162	1.22	1	02/03/2024 20:30	WG2218674
Lead	781		0.254	0.610	1	02/03/2024 20:30	WG2218674
Selenium	2.06	J	0.932	2.44	1	02/03/2024 20:30	WG2218674
Silver	4.19		0.155	1.22	1	02/03/2024 20:30	WG2218674

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/MS) Low Fraction	U		0.223	0.610	1	02/03/2024 21:38	WG2219508
Acetone	U		0.0253	0.0610	1	02/03/2024 21:38	WG2219508
Acrylonitrile	U		0.00246	0.0122	1	02/03/2024 21:38	WG2219508
Benzene	U		0.000458	0.00122	1	02/03/2024 21:38	WG2219508
Bromobenzene	U		0.000336	0.00122	1	02/03/2024 21:38	WG2219508
Bromodichloromethane	U		0.000885	0.00122	1	02/03/2024 21:38	WG2219508
Bromoform	U	J3	0.000517	0.00122	1	02/03/2024 21:38	WG2219508
Bromomethane	U	J3	0.00143	0.00610	1	02/03/2024 21:38	WG2219508
n-Butylbenzene	U	J3	0.000315	0.00122	1	02/03/2024 21:38	WG2219508
sec-Butylbenzene	U		0.000245	0.00122	1	02/03/2024 21:38	WG2219508
tert-Butylbenzene	U		0.000251	0.00122	1	02/03/2024 21:38	WG2219508
Carbon tetrachloride	U	J3	0.000303	0.00122	1	02/03/2024 21:38	WG2219508
Chlorobenzene	U		0.000234	0.00122	1	02/03/2024 21:38	WG2219508
Chlorodibromomethane	U		0.000273	0.00122	1	02/03/2024 21:38	WG2219508
Chloroethane	U		0.00122	0.00610	1	02/03/2024 21:38	WG2219508
Chloroform	U		0.00126	0.00610	1	02/03/2024 21:38	WG2219508
Chloromethane	U		0.000793	0.00305	1	02/03/2024 21:38	WG2219508
2-Chlorotoluene	U		0.000275	0.00122	1	02/03/2024 21:38	WG2219508
4-Chlorotoluene	U		0.000843	0.00122	1	02/03/2024 21:38	WG2219508
1,2-Dibromo-3-Chloropropane	U		0.00232	0.00610	1	02/03/2024 21:38	WG2219508
1,2-Dibromoethane	U		0.000305	0.00122	1	02/03/2024 21:38	WG2219508
Dibromomethane	U		0.000427	0.00122	1	02/03/2024 21:38	WG2219508
1,2-Dichlorobenzene	U		0.000519	0.00122	1	02/03/2024 21:38	WG2219508
1,3-Dichlorobenzene	U		0.000732	0.00122	1	02/03/2024 21:38	WG2219508
1,4-Dichlorobenzene	U		0.00101	0.00122	1	02/03/2024 21:38	WG2219508
Dichlorodifluoromethane	U		0.000350	0.00610	1	02/03/2024 21:38	WG2219508
1,1-Dichloroethane	U	J4	0.000327	0.00122	1	02/03/2024 21:38	WG2219508
1,2-Dichloroethane	U		0.000549	0.00122	1	02/03/2024 21:38	WG2219508

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1-Dichloroethene	U		0.000433	0.00122	1	02/03/2024 21:38	WG2219508
cis-1,2-Dichloroethene	U		0.000580	0.00122	1	02/03/2024 21:38	WG2219508
trans-1,2-Dichloroethene	U		0.000610	0.00122	1	02/03/2024 21:38	WG2219508
1,2-Dichloropropane	U	J4	0.000200	0.00122	1	02/03/2024 21:38	WG2219508
1,1-Dichloropropene	U		0.000458	0.00122	1	02/03/2024 21:38	WG2219508
1,3-Dichloropropane	U		0.000275	0.00122	1	02/03/2024 21:38	WG2219508
cis-1,3-Dichloropropene	U		0.000519	0.00122	1	02/03/2024 21:38	WG2219508
trans-1,3-Dichloropropene	U	J3	0.000824	0.00122	1	02/03/2024 21:38	WG2219508
2,2-Dichloropropane	U		0.000458	0.00122	1	02/03/2024 21:38	WG2219508
Di-isopropyl ether	U		0.000270	0.00122	1	02/03/2024 21:38	WG2219508
Ethylbenzene	U		0.000366	0.00122	1	02/03/2024 21:38	WG2219508
Hexachloro-1,3-butadiene	U		0.000417	0.00122	1	02/03/2024 21:38	WG2219508
Isopropylbenzene	U		0.000519	0.00122	1	02/03/2024 21:38	WG2219508
p-Isopropyltoluene	U		0.000249	0.00122	1	02/03/2024 21:38	WG2219508
2-Butanone (MEK)	U		0.00571	0.0122	1	02/03/2024 21:38	WG2219508
Methylene Chloride	U		0.00122	0.00610	1	02/03/2024 21:38	WG2219508
4-Methyl-2-pentanone (MIBK)	U	J3	0.00116	0.0122	1	02/03/2024 21:38	WG2219508
Methyl tert-butyl ether	U		0.000427	0.00122	1	02/03/2024 21:38	WG2219508
Naphthalene	U		0.00608	0.00610	1	02/03/2024 21:38	WG2219508
n-Propylbenzene	U		0.000251	0.00122	1	02/03/2024 21:38	WG2219508
Styrene	U		0.000272	0.00122	1	02/03/2024 21:38	WG2219508
1,1,1,2-Tetrachloroethane	U	J3	0.000361	0.00122	1	02/03/2024 21:38	WG2219508
1,1,2,2-Tetrachloroethane	U		0.000282	0.00122	1	02/03/2024 21:38	WG2219508
1,1,2-Trichlorotrifluoroethane	U		0.000520	0.00122	1	02/03/2024 21:38	WG2219508
Tetrachloroethene	U		0.000397	0.00122	1	02/03/2024 21:38	WG2219508
Toluene	U		0.00150	0.00610	1	02/03/2024 21:38	WG2219508
1,2,3-Trichlorobenzene	U		0.000373	0.00122	1	02/03/2024 21:38	WG2219508
1,2,4-Trichlorobenzene	U		0.000473	0.00122	1	02/03/2024 21:38	WG2219508
1,1,1-Trichloroethane	U		0.000451	0.00122	1	02/03/2024 21:38	WG2219508
1,1,2-Trichloroethane	U		0.000519	0.00122	1	02/03/2024 21:38	WG2219508
Trichloroethene	U		0.000244	0.00122	1	02/03/2024 21:38	WG2219508
Trichlorofluoromethane	U		0.000434	0.00610	1	02/03/2024 21:38	WG2219508
1,2,3-Trichloropropane	U		0.000298	0.00305	1	02/03/2024 21:38	WG2219508
1,2,4-Trimethylbenzene	U		0.000257	0.00122	1	02/03/2024 21:38	WG2219508
1,2,3-Trimethylbenzene	U		0.000350	0.00122	1	02/03/2024 21:38	WG2219508
1,3,5-Trimethylbenzene	U	J3	0.000325	0.00122	1	02/03/2024 21:38	WG2219508
Vinyl chloride	U		0.000276	0.00122	1	02/03/2024 21:38	WG2219508
Xylenes, Total	U		0.000610	0.00366	1	02/03/2024 21:38	WG2219508
(S) Toluene-d8	*104*			*75.0-131*		*02/03/2024 21:38*	WG2219508
(S) 4-Bromofluorobenzene	*89.0*			*67.0-138*		*02/03/2024 21:38*	WG2219508
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*02/03/2024 21:38*	WG2219508

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	19.3		0.938	4.88	1	02/05/2024 18:50	WG2219228
(S) o-Terphenyl	*57.4*			*18.0-148*		*02/05/2024 18:50*	WG2219228

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.0151		0.00281	0.00732	1	02/02/2024 18:38	WG2218571
Acenaphthene	U		0.00255	0.00732	1	02/02/2024 18:38	WG2218571
Acenaphthylene	0.0126		0.00264	0.00732	1	02/02/2024 18:38	WG2218571
Benzo(a)anthracene	0.0171		0.00211	0.00732	1	02/02/2024 18:38	WG2218571

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)pyrene	0.0863		0.00218	0.00732	1	02/02/2024 18:38	WG2218571
Benzo(b)fluoranthene	0.0783		0.00187	0.00732	1	02/02/2024 18:38	WG2218571
Benzo(g,h,i)perylene	0.482		0.00216	0.00732	1	02/02/2024 18:38	WG2218571
Benzo(k)fluoranthene	0.0236		0.00262	0.00732	1	02/02/2024 18:38	WG2218571
Chrysene	0.0338		0.00283	0.00732	1	02/02/2024 18:38	WG2218571
Dibenz(a,h)anthracene	0.0370		0.00210	0.00732	1	02/02/2024 18:38	WG2218571
Fluoranthene	0.0160		0.00277	0.00732	1	02/02/2024 18:38	WG2218571
Fluorene	U		0.00250	0.00732	1	02/02/2024 18:38	WG2218571
Indeno(1,2,3-cd)pyrene	0.182		0.00221	0.00732	1	02/02/2024 18:38	WG2218571
Naphthalene	0.0744		0.00498	0.0244	1	02/02/2024 18:38	WG2218571
Phenanthrene	0.0251		0.00282	0.00732	1	02/02/2024 18:38	WG2218571
Pyrene	0.0211		0.00244	0.00732	1	02/02/2024 18:38	WG2218571
1-Methylnaphthalene	0.0499		0.00548	0.0244	1	02/02/2024 18:38	WG2218571
2-Methylnaphthalene	0.0569		0.00521	0.0244	1	02/02/2024 18:38	WG2218571
2-Chloronaphthalene	U		0.00569	0.0244	1	02/02/2024 18:38	WG2218571
(S) Nitrobenzene-d5	*89.2*			*14.0-149*		*02/02/2024 18:38*	WG2218571
(S) 2-Fluorobiphenyl	*80.5*			*34.0-125*		*02/02/2024 18:38*	WG2218571
(S) p-Terphenyl-d14	*75.6*			*23.0-120*		*02/02/2024 18:38*	WG2218571

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.4		1	02/02/2024 11:36	WG2218512

Wet Chemistry by Method 9071B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH - Oil & Grease	U		39.1	118	1	02/07/2024 22:49	WG2222013

Sample Narrative:

L1701251-10 WG2222013: Total Oil&Grease is non-detect. Extract was not processed through silica gel.

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0213	0.0474	1	02/03/2024 14:15	WG2218643

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	19.3		0.614	2.37	1	02/03/2024 20:35	WG2218674
Barium	183		0.101	0.592	1	02/03/2024 20:35	WG2218674
Cadmium	1.26		0.0558	0.592	1	02/03/2024 20:35	WG2218674
Chromium	40.3		0.158	1.18	1	02/03/2024 20:35	WG2218674
Lead	131		0.246	0.592	1	02/03/2024 20:35	WG2218674
Selenium	1.41	J	0.905	2.37	1	02/03/2024 20:35	WG2218674
Silver	U		0.150	1.18	1	02/03/2024 20:35	WG2218674

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/MS) Low Fraction	U		0.217	0.592	1	02/04/2024 16:15	WG2219830
Acetone	U		0.0245	0.0592	1	02/04/2024 16:15	WG2219830
Acrylonitrile	U		0.00239	0.0118	1	02/04/2024 16:15	WG2219830
Benzene	U		0.000444	0.00118	1	02/04/2024 16:15	WG2219830
Bromobenzene	U		0.000326	0.00118	1	02/04/2024 16:15	WG2219830
Bromodichloromethane	U		0.000859	0.00118	1	02/04/2024 16:15	WG2219830
Bromoform	U		0.000502	0.00118	1	02/04/2024 16:15	WG2219830
Bromomethane	U		0.00139	0.00592	1	02/04/2024 16:15	WG2219830
n-Butylbenzene	U		0.000306	0.00118	1	02/04/2024 16:15	WG2219830
sec-Butylbenzene	U		0.000238	0.00118	1	02/04/2024 16:15	WG2219830
tert-Butylbenzene	U		0.000244	0.00118	1	02/04/2024 16:15	WG2219830
Carbon tetrachloride	U		0.000294	0.00118	1	02/04/2024 16:15	WG2219830
Chlorobenzene	U		0.000227	0.00118	1	02/04/2024 16:15	WG2219830
Chlorodibromomethane	U		0.000265	0.00118	1	02/04/2024 16:15	WG2219830
Chloroethane	U		0.00118	0.00592	1	02/04/2024 16:15	WG2219830
Chloroform	U		0.00122	0.00592	1	02/04/2024 16:15	WG2219830
Chloromethane	U		0.000770	0.00296	1	02/04/2024 16:15	WG2219830
2-Chlorotoluene	U		0.000267	0.00118	1	02/04/2024 16:15	WG2219830
4-Chlorotoluene	U		0.000819	0.00118	1	02/04/2024 16:15	WG2219830
1,2-Dibromo-3-Chloropropane	U		0.00225	0.00592	1	02/04/2024 16:15	WG2219830
1,2-Dibromoethane	U		0.000296	0.00118	1	02/04/2024 16:15	WG2219830
Dibromomethane	U		0.000415	0.00118	1	02/04/2024 16:15	WG2219830
1,2-Dichlorobenzene	U		0.000504	0.00118	1	02/04/2024 16:15	WG2219830
1,3-Dichlorobenzene	U		0.000711	0.00118	1	02/04/2024 16:15	WG2219830
1,4-Dichlorobenzene	U		0.000983	0.00118	1	02/04/2024 16:15	WG2219830

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.000340	0.00592	1	02/04/2024 16:15	WG2219830
1,1-Dichloroethane	U	J4	0.000318	0.00118	1	02/04/2024 16:15	WG2219830
1,2-Dichloroethane	U		0.000533	0.00118	1	02/04/2024 16:15	WG2219830
1,1-Dichloroethene	U		0.000421	0.00118	1	02/04/2024 16:15	WG2219830
cis-1,2-Dichloroethene	U		0.000563	0.00118	1	02/04/2024 16:15	WG2219830
trans-1,2-Dichloroethene	U		0.000592	0.00118	1	02/04/2024 16:15	WG2219830
1,2-Dichloropropane	U		0.000194	0.00118	1	02/04/2024 16:15	WG2219830
1,1-Dichloropropene	U		0.000444	0.00118	1	02/04/2024 16:15	WG2219830
1,3-Dichloropropane	U		0.000267	0.00118	1	02/04/2024 16:15	WG2219830
cis-1,3-Dichloropropene	U		0.000504	0.00118	1	02/04/2024 16:15	WG2219830
trans-1,3-Dichloropropene	U		0.000800	0.00118	1	02/04/2024 16:15	WG2219830
2,2-Dichloropropane	U		0.000444	0.00118	1	02/04/2024 16:15	WG2219830
Di-isopropyl ether	U		0.000262	0.00118	1	02/04/2024 16:15	WG2219830
Ethylbenzene	U		0.000355	0.00118	1	02/04/2024 16:15	WG2219830
Hexachloro-1,3-butadiene	U		0.000405	0.00118	1	02/04/2024 16:15	WG2219830
Isopropylbenzene	U		0.000504	0.00118	1	02/04/2024 16:15	WG2219830
p-Isopropyltoluene	U		0.000242	0.00118	1	02/04/2024 16:15	WG2219830
2-Butanone (MEK)	U		0.00555	0.0118	1	02/04/2024 16:15	WG2219830
Methylene Chloride	U		0.00118	0.00592	1	02/04/2024 16:15	WG2219830
4-Methyl-2-pentanone (MIBK)	U		0.00113	0.0118	1	02/04/2024 16:15	WG2219830
Methyl tert-butyl ether	U		0.000418	0.00120	1.01	02/08/2024 14:26	WG2222578
Naphthalene	U		0.00590	0.00592	1	02/04/2024 16:15	WG2219830
n-Propylbenzene	U		0.000244	0.00118	1	02/04/2024 16:15	WG2219830
Styrene	U		0.000264	0.00118	1	02/04/2024 16:15	WG2219830
1,1,1,2-Tetrachloroethane	U		0.000351	0.00118	1	02/04/2024 16:15	WG2219830
1,1,2,2-Tetrachloroethane	U		0.000274	0.00118	1	02/04/2024 16:15	WG2219830
1,1,2-Trichlorotrifluoroethane	U		0.000505	0.00118	1	02/04/2024 16:15	WG2219830
Tetrachloroethene	U		0.000385	0.00118	1	02/04/2024 16:15	WG2219830
Toluene	U		0.00146	0.00592	1	02/04/2024 16:15	WG2219830
1,2,3-Trichlorobenzene	U		0.000363	0.00118	1	02/04/2024 16:15	WG2219830
1,2,4-Trichlorobenzene	U		0.000460	0.00118	1	02/04/2024 16:15	WG2219830
1,1,1-Trichloroethane	U		0.000438	0.00118	1	02/04/2024 16:15	WG2219830
1,1,2-Trichloroethane	U		0.000504	0.00118	1	02/04/2024 16:15	WG2219830
Trichloroethene	U		0.000237	0.00118	1	02/04/2024 16:15	WG2219830
Trichlorofluoromethane	U		0.000422	0.00592	1	02/04/2024 16:15	WG2219830
1,2,3-Trichloropropane	U		0.000289	0.00296	1	02/04/2024 16:15	WG2219830
1,2,4-Trimethylbenzene	U		0.000250	0.00118	1	02/04/2024 16:15	WG2219830
1,2,3-Trimethylbenzene	U		0.000340	0.00118	1	02/04/2024 16:15	WG2219830
1,3,5-Trimethylbenzene	U		0.000315	0.00118	1	02/04/2024 16:15	WG2219830
Vinyl chloride	U		0.000268	0.00118	1	02/04/2024 16:15	WG2219830
Xylenes, Total	U		0.000592	0.00355	1	02/04/2024 16:15	WG2219830
(S) Toluene-d8	*114*			*75.0-131*		*02/04/2024 16:15*	WG2219830
(S) Toluene-d8	*113*			*75.0-131*		*02/08/2024 14:26*	WG2222578
(S) 4-Bromofluorobenzene	*92.3*			*67.0-138*		*02/04/2024 16:15*	WG2219830
(S) 4-Bromofluorobenzene	*98.8*			*67.0-138*		*02/08/2024 14:26*	WG2222578
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*02/04/2024 16:15*	WG2219830
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*		*02/08/2024 14:26*	WG2222578

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2.23	J	0.911	4.74	1	02/05/2024 16:13	WG2219228
(S) o-Terphenyl	*50.9*			*18.0-148*		*02/05/2024 16:13*	WG2219228

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00273	0.00711	1	02/02/2024 14:18	WG2218571
Acenaphthene	U		0.00248	0.00711	1	02/02/2024 14:18	WG2218571
Acenaphthylene	U		0.00256	0.00711	1	02/02/2024 14:18	WG2218571
Benzo(a)anthracene	U		0.00205	0.00711	1	02/02/2024 14:18	WG2218571
Benzo(a)pyrene	U		0.00212	0.00711	1	02/02/2024 14:18	WG2218571
Benzo(b)fluoranthene	U		0.00181	0.00711	1	02/02/2024 14:18	WG2218571
Benzo(g,h,i)perylene	U		0.00210	0.00711	1	02/02/2024 14:18	WG2218571
Benzo(k)fluoranthene	U		0.00255	0.00711	1	02/02/2024 14:18	WG2218571
Chrysene	U		0.00275	0.00711	1	02/02/2024 14:18	WG2218571
Dibenz(a,h)anthracene	U		0.00204	0.00711	1	02/02/2024 14:18	WG2218571
Fluoranthene	U		0.00269	0.00711	1	02/02/2024 14:18	WG2218571
Fluorene	U		0.00243	0.00711	1	02/02/2024 14:18	WG2218571
Indeno(1,2,3-cd)pyrene	U		0.00214	0.00711	1	02/02/2024 14:18	WG2218571
Naphthalene	U		0.00483	0.0237	1	02/02/2024 14:18	WG2218571
Phenanthrene	U		0.00274	0.00711	1	02/02/2024 14:18	WG2218571
Pyrene	U		0.00237	0.00711	1	02/02/2024 14:18	WG2218571
1-Methylnaphthalene	U		0.00532	0.0237	1	02/02/2024 14:18	WG2218571
2-Methylnaphthalene	U		0.00506	0.0237	1	02/02/2024 14:18	WG2218571
2-Chloronaphthalene	U		0.00552	0.0237	1	02/02/2024 14:18	WG2218571
(S) Nitrobenzene-d5	*81.9*			*14.0-149*		*02/02/2024 14:18*	WG2218571
(S) 2-Fluorobiphenyl	*79.9*			*34.0-125*		*02/02/2024 14:18*	WG2218571
(S) p-Terphenyl-d14	*77.3*			*23.0-120*		*02/02/2024 14:18*	WG2218571

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.4		1	02/02/2024 11:36	WG2218512

Wet Chemistry by Method 9071B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH - Oil & Grease	109	J	40.0	121	1	02/07/2024 22:49	WG2222013

Sample Narrative:

L1701251-11 WG2222013: Total Oil&Grease is non-detect. Extract was not processed through silica gel.

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.467		0.0218	0.0485	1	02/03/2024 14:22	WG2218643

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	21.3		0.629	2.43	1	02/03/2024 20:37	WG2218674
Barium	128		0.103	0.607	1	02/03/2024 20:37	WG2218674
Cadmium	1.52		0.0572	0.607	1	02/03/2024 20:37	WG2218674
Chromium	53.8		0.161	1.21	1	02/03/2024 20:37	WG2218674
Lead	144		0.252	0.607	1	02/03/2024 20:37	WG2218674
Selenium	2.08	J	0.927	2.43	1	02/03/2024 20:37	WG2218674
Silver	1.95		0.154	1.21	1	02/03/2024 20:37	WG2218674

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/MS) Low Fraction	U		0.222	0.607	1	02/04/2024 16:36	WG2219830
Acetone	0.0330	J	0.0251	0.0607	1	02/04/2024 16:36	WG2219830
Acrylonitrile	U		0.00245	0.0121	1	02/04/2024 16:36	WG2219830
Benzene	0.000474	J	0.000455	0.00121	1	02/04/2024 16:36	WG2219830
Bromobenzene	U		0.000334	0.00121	1	02/04/2024 16:36	WG2219830
Bromodichloromethane	U		0.000880	0.00121	1	02/04/2024 16:36	WG2219830
Bromoform	U		0.000514	0.00121	1	02/04/2024 16:36	WG2219830
Bromomethane	U		0.00142	0.00607	1	02/04/2024 16:36	WG2219830
n-Butylbenzene	U		0.000313	0.00121	1	02/04/2024 16:36	WG2219830
sec-Butylbenzene	U		0.000244	0.00121	1	02/04/2024 16:36	WG2219830
tert-Butylbenzene	U		0.000250	0.00121	1	02/04/2024 16:36	WG2219830
Carbon tetrachloride	U		0.000301	0.00121	1	02/04/2024 16:36	WG2219830
Chlorobenzene	U		0.000233	0.00121	1	02/04/2024 16:36	WG2219830
Chlorodibromomethane	U		0.000272	0.00121	1	02/04/2024 16:36	WG2219830
Chloroethane	U		0.00121	0.00607	1	02/04/2024 16:36	WG2219830
Chloroform	U		0.00125	0.00607	1	02/04/2024 16:36	WG2219830
Chloromethane	U		0.000789	0.00303	1	02/04/2024 16:36	WG2219830
2-Chlorotoluene	U		0.000273	0.00121	1	02/04/2024 16:36	WG2219830
4-Chlorotoluene	U		0.000838	0.00121	1	02/04/2024 16:36	WG2219830
1,2-Dibromo-3-Chloropropane	U		0.00231	0.00607	1	02/04/2024 16:36	WG2219830
1,2-Dibromoethane	U		0.000303	0.00121	1	02/04/2024 16:36	WG2219830
Dibromomethane	U		0.000425	0.00121	1	02/04/2024 16:36	WG2219830
1,2-Dichlorobenzene	U		0.000516	0.00121	1	02/04/2024 16:36	WG2219830
1,3-Dichlorobenzene	U		0.000728	0.00121	1	02/04/2024 16:36	WG2219830
1,4-Dichlorobenzene	U		0.00101	0.00121	1	02/04/2024 16:36	WG2219830

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.000348	0.00607	1	02/04/2024 16:36	WG2219830
1,1-Dichloroethane	U	J4	0.000325	0.00121	1	02/04/2024 16:36	WG2219830
1,2-Dichloroethane	U		0.000546	0.00121	1	02/04/2024 16:36	WG2219830
1,1-Dichloroethene	U		0.000431	0.00121	1	02/04/2024 16:36	WG2219830
cis-1,2-Dichloroethene	U		0.000576	0.00121	1	02/04/2024 16:36	WG2219830
trans-1,2-Dichloroethene	U		0.000607	0.00121	1	02/04/2024 16:36	WG2219830
1,2-Dichloropropane	U		0.000199	0.00121	1	02/04/2024 16:36	WG2219830
1,1-Dichloropropene	U		0.000455	0.00121	1	02/04/2024 16:36	WG2219830
1,3-Dichloropropane	U		0.000273	0.00121	1	02/04/2024 16:36	WG2219830
cis-1,3-Dichloropropene	U		0.000516	0.00121	1	02/04/2024 16:36	WG2219830
trans-1,3-Dichloropropene	U		0.000819	0.00121	1	02/04/2024 16:36	WG2219830
2,2-Dichloropropane	U		0.000455	0.00121	1	02/04/2024 16:36	WG2219830
Di-isopropyl ether	U		0.000268	0.00121	1	02/04/2024 16:36	WG2219830
Ethylbenzene	U		0.000364	0.00121	1	02/04/2024 16:36	WG2219830
Hexachloro-1,3-butadiene	U		0.000415	0.00121	1	02/04/2024 16:36	WG2219830
Isopropylbenzene	U		0.000516	0.00121	1	02/04/2024 16:36	WG2219830
p-Isopropyltoluene	0.000364	J	0.000248	0.00121	1	02/04/2024 16:36	WG2219830
2-Butanone (MEK)	U		0.00568	0.0121	1	02/04/2024 16:36	WG2219830
Methylene Chloride	U		0.00121	0.00607	1	02/04/2024 16:36	WG2219830
4-Methyl-2-pentanone (MIBK)	U		0.00115	0.0121	1	02/04/2024 16:36	WG2219830
Methyl tert-butyl ether	U		0.000428	0.00123	1.01	02/08/2024 14:47	WG2222578
Naphthalene	U		0.00604	0.00607	1	02/04/2024 16:36	WG2219830
n-Propylbenzene	U		0.000250	0.00121	1	02/04/2024 16:36	WG2219830
Styrene	U		0.000271	0.00121	1	02/04/2024 16:36	WG2219830
1,1,1,2-Tetrachloroethane	U		0.000359	0.00121	1	02/04/2024 16:36	WG2219830
1,1,2,2-Tetrachloroethane	U		0.000280	0.00121	1	02/04/2024 16:36	WG2219830
1,1,2-Trichlorotrifluoroethane	U		0.000517	0.00121	1	02/04/2024 16:36	WG2219830
Tetrachloroethene	U		0.000394	0.00121	1	02/04/2024 16:36	WG2219830
Toluene	U		0.00149	0.00607	1	02/04/2024 16:36	WG2219830
1,2,3-Trichlorobenzene	U		0.000371	0.00121	1	02/04/2024 16:36	WG2219830
1,2,4-Trichlorobenzene	U		0.000471	0.00121	1	02/04/2024 16:36	WG2219830
1,1,1-Trichloroethane	U		0.000449	0.00121	1	02/04/2024 16:36	WG2219830
1,1,2-Trichloroethane	U		0.000516	0.00121	1	02/04/2024 16:36	WG2219830
Trichloroethene	U		0.000243	0.00121	1	02/04/2024 16:36	WG2219830
Trichlorofluoromethane	U		0.000432	0.00607	1	02/04/2024 16:36	WG2219830
1,2,3-Trichloropropane	U		0.000296	0.00303	1	02/04/2024 16:36	WG2219830
1,2,4-Trimethylbenzene	U		0.000256	0.00121	1	02/04/2024 16:36	WG2219830
1,2,3-Trimethylbenzene	U		0.000348	0.00121	1	02/04/2024 16:36	WG2219830
1,3,5-Trimethylbenzene	U		0.000323	0.00121	1	02/04/2024 16:36	WG2219830
Vinyl chloride	U		0.000274	0.00121	1	02/04/2024 16:36	WG2219830
Xylenes, Total	U		0.000607	0.00364	1	02/04/2024 16:36	WG2219830
(S) Toluene-d8	*103*			*75.0-131*		*02/04/2024 16:36*	WG2219830
(S) Toluene-d8	*116*			*75.0-131*		*02/08/2024 14:47*	WG2222578
(S) 4-Bromofluorobenzene	*89.8*			*67.0-138*		*02/04/2024 16:36*	WG2219830
(S) 4-Bromofluorobenzene	*93.6*			*67.0-138*		*02/08/2024 14:47*	WG2222578
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*02/04/2024 16:36*	WG2219830
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*02/08/2024 14:47*	WG2222578

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	18.4		0.933	4.85	1	02/05/2024 18:24	WG2219228
(S) o-Terphenyl	*56.1*			*18.0-148*		*02/05/2024 18:24*	WG2219228

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00279	0.00728	1	02/02/2024 14:36	WG2218571
Acenaphthene	U		0.00254	0.00728	1	02/02/2024 14:36	WG2218571
Acenaphthylene	U		0.00262	0.00728	1	02/02/2024 14:36	WG2218571
Benzo(a)anthracene	0.00256	J	0.00210	0.00728	1	02/02/2024 14:36	WG2218571
Benzo(a)pyrene	0.00235	J	0.00217	0.00728	1	02/02/2024 14:36	WG2218571
Benzo(b)fluoranthene	0.00326	J	0.00186	0.00728	1	02/02/2024 14:36	WG2218571
Benzo(g,h,i)perylene	U		0.00215	0.00728	1	02/02/2024 14:36	WG2218571
Benzo(k)fluoranthene	U		0.00261	0.00728	1	02/02/2024 14:36	WG2218571
Chrysene	0.00313	J	0.00282	0.00728	1	02/02/2024 14:36	WG2218571
Dibenz(a,h)anthracene	U		0.00209	0.00728	1	02/02/2024 14:36	WG2218571
Fluoranthene	0.00496	J	0.00275	0.00728	1	02/02/2024 14:36	WG2218571
Fluorene	U		0.00249	0.00728	1	02/02/2024 14:36	WG2218571
Indeno(1,2,3-cd)pyrene	U		0.00220	0.00728	1	02/02/2024 14:36	WG2218571
Naphthalene	0.0124	J	0.00495	0.0243	1	02/02/2024 14:36	WG2218571
Phenanthrene	0.00811		0.00280	0.00728	1	02/02/2024 14:36	WG2218571
Pyrene	0.00518	J	0.00243	0.00728	1	02/02/2024 14:36	WG2218571
1-Methylnaphthalene	0.0148	J	0.00545	0.0243	1	02/02/2024 14:36	WG2218571
2-Methylnaphthalene	0.0164	J	0.00518	0.0243	1	02/02/2024 14:36	WG2218571
2-Chloronaphthalene	U		0.00565	0.0243	1	02/02/2024 14:36	WG2218571
(S) Nitrobenzene-d5	*73.6*			*14.0-149*		*02/02/2024 14:36*	WG2218571
(S) 2-Fluorobiphenyl	*71.8*			*34.0-125*		*02/02/2024 14:36*	WG2218571
(S) p-Terphenyl-d14	*69.7*			*23.0-120*		*02/02/2024 14:36*	WG2218571

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.4		1	02/02/2024 11:36	WG2218512

Wet Chemistry by Method 9071B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH - Oil & Grease	U		35.3	107	1	02/07/2024 22:49	WG2222013

Sample Narrative:

L1701251-12 WG2222013: Total Oil&Grease is non-detect. Extract was not processed through silica gel.

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0193	0.0428	1	02/03/2024 14:25	WG2218643

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	9.94		0.555	2.14	1	02/03/2024 20:38	WG2218674
Barium	132		0.0912	0.535	1	02/03/2024 20:38	WG2218674
Cadmium	0.686		0.0504	0.535	1	02/03/2024 20:38	WG2218674
Chromium	28.6		0.142	1.07	1	02/03/2024 20:38	WG2218674
Lead	60.2		0.223	0.535	1	02/03/2024 20:38	WG2218674
Selenium	1.06	J	0.818	2.14	1	02/03/2024 20:38	WG2218674
Silver	U		0.136	1.07	1	02/03/2024 20:38	WG2218674

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/MS) Low Fraction	U		0.196	0.535	1	02/04/2024 16:57	WG2219830
Acetone	U		0.0222	0.0535	1	02/04/2024 16:57	WG2219830
Acrylonitrile	U		0.00216	0.0107	1	02/04/2024 16:57	WG2219830
Benzene	U		0.000402	0.00107	1	02/04/2024 16:57	WG2219830
Bromobenzene	U		0.000294	0.00107	1	02/04/2024 16:57	WG2219830
Bromodichloromethane	U		0.000776	0.00107	1	02/04/2024 16:57	WG2219830
Bromoform	U		0.000454	0.00107	1	02/04/2024 16:57	WG2219830
Bromomethane	U		0.00125	0.00535	1	02/04/2024 16:57	WG2219830
n-Butylbenzene	U		0.000276	0.00107	1	02/04/2024 16:57	WG2219830
sec-Butylbenzene	U		0.000215	0.00107	1	02/04/2024 16:57	WG2219830
tert-Butylbenzene	U		0.000221	0.00107	1	02/04/2024 16:57	WG2219830
Carbon tetrachloride	U		0.000266	0.00107	1	02/04/2024 16:57	WG2219830
Chlorobenzene	U		0.000206	0.00107	1	02/04/2024 16:57	WG2219830
Chlorodibromomethane	U		0.000240	0.00107	1	02/04/2024 16:57	WG2219830
Chloroethane	U		0.00107	0.00535	1	02/04/2024 16:57	WG2219830
Chloroform	U		0.00110	0.00535	1	02/04/2024 16:57	WG2219830
Chloromethane	U		0.000696	0.00268	1	02/04/2024 16:57	WG2219830
2-Chlorotoluene	U		0.000241	0.00107	1	02/04/2024 16:57	WG2219830
4-Chlorotoluene	U		0.000740	0.00107	1	02/04/2024 16:57	WG2219830
1,2-Dibromo-3-Chloropropane	U		0.00203	0.00535	1	02/04/2024 16:57	WG2219830
1,2-Dibromoethane	U		0.000268	0.00107	1	02/04/2024 16:57	WG2219830
Dibromomethane	U		0.000375	0.00107	1	02/04/2024 16:57	WG2219830
1,2-Dichlorobenzene	U		0.000455	0.00107	1	02/04/2024 16:57	WG2219830
1,3-Dichlorobenzene	U		0.000643	0.00107	1	02/04/2024 16:57	WG2219830
1,4-Dichlorobenzene	U		0.000889	0.00107	1	02/04/2024 16:57	WG2219830

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.000307	0.00535	1	02/04/2024 16:57	WG2219830
1,1-Dichloroethane	U	J4	0.000287	0.00107	1	02/04/2024 16:57	WG2219830
1,2-Dichloroethane	U		0.000482	0.00107	1	02/04/2024 16:57	WG2219830
1,1-Dichloroethene	U		0.000380	0.00107	1	02/04/2024 16:57	WG2219830
cis-1,2-Dichloroethene	U		0.000509	0.00107	1	02/04/2024 16:57	WG2219830
trans-1,2-Dichloroethene	U		0.000535	0.00107	1	02/04/2024 16:57	WG2219830
1,2-Dichloropropane	U		0.000176	0.00107	1	02/04/2024 16:57	WG2219830
1,1-Dichloropropene	U		0.000402	0.00107	1	02/04/2024 16:57	WG2219830
1,3-Dichloropropane	U		0.000241	0.00107	1	02/04/2024 16:57	WG2219830
cis-1,3-Dichloropropene	U		0.000455	0.00107	1	02/04/2024 16:57	WG2219830
trans-1,3-Dichloropropene	U		0.000723	0.00107	1	02/04/2024 16:57	WG2219830
2,2-Dichloropropane	U		0.000402	0.00107	1	02/04/2024 16:57	WG2219830
Di-isopropyl ether	U		0.000237	0.00107	1	02/04/2024 16:57	WG2219830
Ethylbenzene	U		0.000321	0.00107	1	02/04/2024 16:57	WG2219830
Hexachloro-1,3-butadiene	U		0.000366	0.00107	1	02/04/2024 16:57	WG2219830
Isopropylbenzene	U		0.000455	0.00107	1	02/04/2024 16:57	WG2219830
p-Isopropyltoluene	U		0.000218	0.00107	1	02/04/2024 16:57	WG2219830
2-Butanone (MEK)	U		0.00501	0.0107	1	02/04/2024 16:57	WG2219830
Methylene Chloride	U		0.00107	0.00535	1	02/04/2024 16:57	WG2219830
4-Methyl-2-pentanone (MIBK)	U		0.00102	0.0107	1	02/04/2024 16:57	WG2219830
Methyl tert-butyl ether	U		0.000375	0.00107	1	02/08/2024 15:09	WG2222578
Naphthalene	U		0.00533	0.00535	1	02/04/2024 16:57	WG2219830
n-Propylbenzene	U		0.000221	0.00107	1	02/04/2024 16:57	WG2219830
Styrene	U		0.000239	0.00107	1	02/04/2024 16:57	WG2219830
1,1,1,2-Tetrachloroethane	U		0.000317	0.00107	1	02/04/2024 16:57	WG2219830
1,1,2,2-Tetrachloroethane	U		0.000247	0.00107	1	02/04/2024 16:57	WG2219830
1,1,2-Trichlorotrifluoroethane	U		0.000456	0.00107	1	02/04/2024 16:57	WG2219830
Tetrachloroethene	U		0.000348	0.00107	1	02/04/2024 16:57	WG2219830
Toluene	U		0.00132	0.00535	1	02/04/2024 16:57	WG2219830
1,2,3-Trichlorobenzene	U		0.000328	0.00107	1	02/04/2024 16:57	WG2219830
1,2,4-Trichlorobenzene	U		0.000416	0.00107	1	02/04/2024 16:57	WG2219830
1,1,1-Trichloroethane	U		0.000396	0.00107	1	02/04/2024 16:57	WG2219830
1,1,2-Trichloroethane	U		0.000455	0.00107	1	02/04/2024 16:57	WG2219830
Trichloroethene	U		0.000214	0.00107	1	02/04/2024 16:57	WG2219830
Trichlorofluoromethane	U		0.000381	0.00535	1	02/04/2024 16:57	WG2219830
1,2,3-Trichloropropane	U		0.000261	0.00268	1	02/04/2024 16:57	WG2219830
1,2,4-Trimethylbenzene	U		0.000226	0.00107	1	02/04/2024 16:57	WG2219830
1,2,3-Trimethylbenzene	U		0.000307	0.00107	1	02/04/2024 16:57	WG2219830
1,3,5-Trimethylbenzene	U		0.000285	0.00107	1	02/04/2024 16:57	WG2219830
Vinyl chloride	U		0.000242	0.00107	1	02/04/2024 16:57	WG2219830
Xylenes, Total	U		0.000535	0.00321	1	02/04/2024 16:57	WG2219830
(S) Toluene-d8	*106*			*75.0-131*		*02/04/2024 16:57*	WG2219830
(S) Toluene-d8	*106*			*75.0-131*		*02/08/2024 15:09*	WG2222578
(S) 4-Bromofluorobenzene	*90.4*			*67.0-138*		*02/04/2024 16:57*	WG2219830
(S) 4-Bromofluorobenzene	*95.6*			*67.0-138*		*02/08/2024 15:09*	WG2222578
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*02/04/2024 16:57*	WG2219830
(S) 1,2-Dichloroethane-d4	*94.6*			*70.0-130*		*02/08/2024 15:09*	WG2222578

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	5.19		0.824	4.28	1	02/06/2024 10:27	WG2219228
(S) o-Terphenyl	*61.6*			*18.0-148*		*02/06/2024 10:27*	WG2219228

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00246	0.00643	1	02/02/2024 14:53	WG2218571
Acenaphthene	U		0.00224	0.00643	1	02/02/2024 14:53	WG2218571
Acenaphthylene	U		0.00231	0.00643	1	02/02/2024 14:53	WG2218571
Benzo(a)anthracene	U		0.00185	0.00643	1	02/02/2024 14:53	WG2218571
Benzo(a)pyrene	U		0.00192	0.00643	1	02/02/2024 14:53	WG2218571
Benzo(b)fluoranthene	U		0.00164	0.00643	1	02/02/2024 14:53	WG2218571
Benzo(g,h,i)perylene	U		0.00190	0.00643	1	02/02/2024 14:53	WG2218571
Benzo(k)fluoranthene	U		0.00230	0.00643	1	02/02/2024 14:53	WG2218571
Chrysene	U		0.00248	0.00643	1	02/02/2024 14:53	WG2218571
Dibenz(a,h)anthracene	U		0.00184	0.00643	1	02/02/2024 14:53	WG2218571
Fluoranthene	U		0.00243	0.00643	1	02/02/2024 14:53	WG2218571
Fluorene	U		0.00220	0.00643	1	02/02/2024 14:53	WG2218571
Indeno(1,2,3-cd)pyrene	U		0.00194	0.00643	1	02/02/2024 14:53	WG2218571
Naphthalene	U		0.00437	0.0214	1	02/02/2024 14:53	WG2218571
Phenanthrene	U		0.00247	0.00643	1	02/02/2024 14:53	WG2218571
Pyrene	U		0.00214	0.00643	1	02/02/2024 14:53	WG2218571
1-Methylnaphthalene	U		0.00481	0.0214	1	02/02/2024 14:53	WG2218571
2-Methylnaphthalene	U		0.00457	0.0214	1	02/02/2024 14:53	WG2218571
2-Chloronaphthalene	U		0.00499	0.0214	1	02/02/2024 14:53	WG2218571
(S) Nitrobenzene-d5	*75.0*			*14.0-149*		*02/02/2024 14:53*	WG2218571
(S) 2-Fluorobiphenyl	*76.4*			*34.0-125*		*02/02/2024 14:53*	WG2218571
(S) p-Terphenyl-d14	*74.4*			*23.0-120*		*02/02/2024 14:53*	WG2218571

Method Blank (MB)

(MB) R4029451-1 02/02/24 11:58

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00600	J		

L1701236-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1701236-01 02/02/24 11:58 • (DUP) R4029451-3 02/02/24 11:58

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	81.6	79.6	1	2.58		10

Laboratory Control Sample (LCS)

(LCS) R4029451-2 02/02/24 11:58

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	99.9	90.0-110	

Method Blank (MB)

(MB) R4029446-1 02/02/24 11:36

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L1701273-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1701273-01 02/02/24 11:36 • (DUP) R4029446-3 02/02/24 11:36

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	93.0	92.7	1	0.288		10

Laboratory Control Sample (LCS)

(LCS) R4029446-2 02/02/24 11:36

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4030521-1 02/06/24 17:35

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH - Oil & Grease	U		33.0	100

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4030521-2 02/06/24 17:35 • (LCSD) R4030521-3 02/06/24 17:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH - Oil & Grease	2000	1720	1670	86.0	83.5	80.0-120			2.95	20

Method Blank (MB)

(MB) R4031155-1 02/07/24 22:49

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH - Oil & Grease	U		33.0	100

L1701503-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1701503-01 02/07/24 22:49 • (DUP) R4031155-4 02/07/24 22:49

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TPH - Oil & Grease	U	75.5	1	200	J P1	20

Sample Narrative:

OS: Total Oil&Grease is non-detect. Extract was not processed through silica gel.

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4031155-2 02/07/24 22:49 • (LCSD) R4031155-3 02/07/24 22:49

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH - Oil & Grease	2000	1750	1790	87.5	89.5	80.0-120			2.26	20

L1701503-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1701503-01 02/07/24 22:49 • (MS) R4031155-5 02/07/24 22:49 • (MSD) R4031155-6 02/07/24 22:49

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH - Oil & Grease	5090	U	4790	4740	94.0	93.0	1	80.0-120			1.13	20

Sample Narrative:

OS: Total Oil&Grease is non-detect. Extract was not processed through silica gel.

Method Blank (MB)

(MB) R4029516-1 02/03/24 12:46

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4029516-2 02/03/24 12:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.540	108	80.0-120	

L1700808-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700808-07 02/03/24 12:51 • (MS) R4029516-3 02/03/24 12:53 • (MSD) R4029516-4 02/03/24 12:56

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.658	0.0646	0.712	0.671	98.5	92.1	1	75.0-125			6.04	20

Method Blank (MB)

(MB) R4029545-1 02/03/24 19:56

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Lead	U		0.208	0.500
Selenium	U		0.764	2.00
Silver	U		0.127	1.00

Laboratory Control Sample (LCS)

(LCS) R4029545-2 02/03/24 19:58

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	91.5	91.5	80.0-120	
Barium	100	96.7	96.7	80.0-120	
Cadmium	100	90.5	90.5	80.0-120	
Chromium	100	94.7	94.7	80.0-120	
Lead	100	91.8	91.8	80.0-120	
Selenium	100	92.9	92.9	80.0-120	
Silver	20.0	17.9	89.3	80.0-120	

L1701334-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1701334-01 02/03/24 19:59 • (MS) R4029545-5 02/03/24 20:04 • (MSD) R4029545-6 02/03/24 20:06

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	106	5.08	110	118	99.4	107	1	75.0-125			7.30	20
Barium	106	72.2	172	184	95.0	106	1	75.0-125			6.26	20
Cadmium	106	0.129	103	111	97.3	105	1	75.0-125			7.36	20
Chromium	106	14.1	118	126	98.5	106	1	75.0-125			6.70	20
Lead	106	6.95	114	123	101	110	1	75.0-125			7.83	20
Selenium	106	0.926	113	123	107	116	1	75.0-125			7.97	20
Silver	21.1	U	20.3	21.9	96.4	104	1	75.0-125			7.27	20

Method Blank (MB)

(MB) R4031439-3 02/03/24 13:54

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/MS) Low Fraction	U		0.183	0.500
Acetone	U		0.0207	0.0500
Acrylonitrile	U		0.00202	0.0100
Benzene	U		0.000375	0.00100
Bromobenzene	U		0.000275	0.00100
Bromodichloromethane	U		0.000725	0.00100
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00117	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon tetrachloride	U		0.000248	0.00100
Chlorobenzene	U		0.000192	0.00100
Chlorodibromomethane	U		0.000224	0.00100
Chloroethane	U		0.00100	0.00500
Chloroform	U		0.00103	0.00500
Chloromethane	U		0.000650	0.00250
2-Chlorotoluene	U		0.000225	0.00100
4-Chlorotoluene	U		0.000691	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00190	0.00500
1,2-Dibromoethane	U		0.000250	0.00100
Dibromomethane	U		0.000350	0.00100
1,2-Dichlorobenzene	U		0.000425	0.00100
1,3-Dichlorobenzene	U		0.000600	0.00100
1,4-Dichlorobenzene	U		0.000830	0.00100
Dichlorodifluoromethane	U		0.000287	0.00500
1,1-Dichloroethane	U		0.000268	0.00100
1,2-Dichloroethane	U		0.000450	0.00100
1,1-Dichloroethene	U		0.000355	0.00100
cis-1,2-Dichloroethene	U		0.000475	0.00100
trans-1,2-Dichloroethene	U		0.000500	0.00100
1,2-Dichloropropane	U		0.000164	0.00100
1,1-Dichloropropene	U		0.000375	0.00100
1,3-Dichloropropane	U		0.000225	0.00100
cis-1,3-Dichloropropene	U		0.000425	0.00100
trans-1,3-Dichloropropene	U		0.000675	0.00100
2,2-Dichloropropane	U		0.000375	0.00100
Di-isopropyl ether	U		0.000221	0.00100
Ethylbenzene	U		0.000300	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100

Method Blank (MB)

(MB) R4031439-3 02/03/24 13:54

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Isopropylbenzene	U		0.000425	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000950	0.0100
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00498	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000223	0.00100
1,1,1,2-Tetrachloroethane	U		0.000296	0.00100
1,1,2,2-Tetrachloroethane	U		0.000231	0.00100
1,1,2-Trichlorotrifluoroethane	U		0.000426	0.00100
Tetrachloroethene	U		0.000325	0.00100
Toluene	U		0.00123	0.00500
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000370	0.00100
1,1,2-Trichloroethane	U		0.000425	0.00100
Trichloroethene	U		0.000200	0.00100
Trichlorofluoromethane	U		0.000356	0.00500
1,2,3-Trichloropropane	U		0.000244	0.00250
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl chloride	U		0.000226	0.00100
Xylenes, Total	U		0.000500	0.00300
(S) Toluene-d8	*112*			*75.0-131*
(S) 4-Bromofluorobenzene	*92.0*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*98.1*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4031439-1 02/03/24 11:25 • (LCSD) R4031439-2 02/03/24 11:47

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.103	0.0923	82.4	73.8	10.0-160			11.0	31
Acrylonitrile	0.125	0.0933	0.105	74.6	84.0	45.0-153			11.8	22
Benzene	0.0250	0.0258	0.0256	103	102	70.0-123			0.778	20
Bromobenzene	0.0250	0.0209	0.0229	83.6	91.6	73.0-121			9.13	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4031439-1 02/03/24 11:25 • (LCSD) R4031439-2 02/03/24 11:47

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromodichloromethane	0.0250	0.0237	0.0252	94.8	101	73.0-121			6.13	20
Bromoform	0.0250	0.0208	0.0256	83.2	102	64.0-132		J3	20.7	20
Bromomethane	0.0250	0.0194	0.0240	77.6	96.0	56.0-147		J3	21.2	20
n-Butylbenzene	0.0250	0.0210	0.0257	84.0	103	68.0-135		J3	20.1	20
sec-Butylbenzene	0.0250	0.0202	0.0229	80.8	91.6	74.0-130			12.5	20
tert-Butylbenzene	0.0250	0.0210	0.0228	84.0	91.2	75.0-127			8.22	20
Carbon tetrachloride	0.0250	0.0248	0.0310	99.2	124	66.0-128		J3	22.2	20
Chlorobenzene	0.0250	0.0258	0.0263	103	105	76.0-128			1.92	20
Chlorodibromomethane	0.0250	0.0225	0.0256	90.0	102	74.0-127			12.9	20
Chloroethane	0.0250	0.0286	0.0292	114	117	61.0-134			2.08	20
Chloroform	0.0250	0.0284	0.0301	114	120	72.0-123			5.81	20
Chloromethane	0.0250	0.0270	0.0319	108	128	51.0-138			16.6	20
2-Chlorotoluene	0.0250	0.0221	0.0238	88.4	95.2	75.0-124			7.41	20
4-Chlorotoluene	0.0250	0.0207	0.0231	82.8	92.4	75.0-124			11.0	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0183	0.0222	73.2	88.8	59.0-130			19.3	20
1,2-Dibromoethane	0.0250	0.0251	0.0221	100	88.4	74.0-128			12.7	20
Dibromomethane	0.0250	0.0266	0.0224	106	89.6	75.0-122			17.1	20
1,2-Dichlorobenzene	0.0250	0.0228	0.0247	91.2	98.8	76.0-124			8.00	20
1,3-Dichlorobenzene	0.0250	0.0229	0.0255	91.6	102	76.0-125			10.7	20
1,4-Dichlorobenzene	0.0250	0.0234	0.0262	93.6	105	77.0-121			11.3	20
Dichlorodifluoromethane	0.0250	0.0249	0.0271	99.6	108	43.0-156			8.46	20
1,1-Dichloroethane	0.0250	0.0339	0.0300	136	120	70.0-127	J4		12.2	20
1,2-Dichloroethane	0.0250	0.0236	0.0258	94.4	103	65.0-131			8.91	20
1,1-Dichloroethene	0.0250	0.0252	0.0236	101	94.4	65.0-131			6.56	20
cis-1,2-Dichloroethene	0.0250	0.0270	0.0265	108	106	73.0-125			1.87	20
trans-1,2-Dichloroethene	0.0250	0.0257	0.0243	103	97.2	71.0-125			5.60	20
1,2-Dichloropropane	0.0250	0.0332	0.0306	133	122	74.0-125	J4		8.15	20
1,1-Dichloropropene	0.0250	0.0255	0.0285	102	114	73.0-125			11.1	20
1,3-Dichloropropane	0.0250	0.0218	0.0237	87.2	94.8	80.0-125			8.35	20
cis-1,3-Dichloropropene	0.0250	0.0207	0.0236	82.8	94.4	76.0-127			13.1	20
trans-1,3-Dichloropropene	0.0250	0.0189	0.0246	75.6	98.4	73.0-127		J3	26.2	20
2,2-Dichloropropane	0.0250	0.0294	0.0309	118	124	59.0-135			4.98	20
Di-isopropyl ether	0.0250	0.0221	0.0270	88.4	108	60.0-136			20.0	20
Ethylbenzene	0.0250	0.0236	0.0248	94.4	99.2	74.0-126			4.96	20
Hexachloro-1,3-butadiene	0.0250	0.0245	0.0298	98.0	119	57.0-150			19.5	20
Isopropylbenzene	0.0250	0.0234	0.0243	93.6	97.2	72.0-127			3.77	20
p-Isopropyltoluene	0.0250	0.0190	0.0221	76.0	88.4	72.0-133			15.1	20
2-Butanone (MEK)	0.125	0.0691	0.0782	55.3	62.6	30.0-160			12.4	24
Methylene Chloride	0.0250	0.0272	0.0268	109	107	68.0-123			1.48	20
4-Methyl-2-pentanone (MIBK)	0.125	0.0765	0.103	61.2	82.4	56.0-143		J3	29.5	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4031439-1 02/03/24 11:25 • (LCSD) R4031439-2 02/03/24 11:47

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methyl tert-butyl ether	0.0250	0.0232	0.0195	92.8	78.0	66.0-132			17.3	20
Naphthalene	0.0250	0.0191	0.0211	76.4	84.4	59.0-130			9.95	20
n-Propylbenzene	0.0250	0.0201	0.0224	80.4	89.6	74.0-126			10.8	20
Styrene	0.0250	0.0226	0.0249	90.4	99.6	72.0-127			9.68	20
1,1,1,2-Tetrachloroethane	0.0250	0.0222	0.0279	88.8	112	74.0-129		J3	22.8	20
1,1,2,2-Tetrachloroethane	0.0250	0.0201	0.0242	80.4	96.8	68.0-128			18.5	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0236	0.0246	94.4	98.4	61.0-139			4.15	20
Tetrachloroethene	0.0250	0.0273	0.0277	109	111	70.0-136			1.45	20
Toluene	0.0250	0.0243	0.0252	97.2	101	75.0-121			3.64	20
1,2,3-Trichlorobenzene	0.0250	0.0244	0.0268	97.6	107	59.0-139			9.37	20
1,2,4-Trichlorobenzene	0.0250	0.0245	0.0284	98.0	114	62.0-137			14.7	20
1,1,1-Trichloroethane	0.0250	0.0280	0.0312	112	125	69.0-126			10.8	20
1,1,2-Trichloroethane	0.0250	0.0230	0.0239	92.0	95.6	78.0-123			3.84	20
Trichloroethene	0.0250	0.0211	0.0239	84.4	95.6	76.0-126			12.4	20
Trichlorofluoromethane	0.0250	0.0226	0.0239	90.4	95.6	61.0-142			5.59	20
1,2,3-Trichloropropane	0.0250	0.0171	0.0202	68.4	80.8	67.0-129			16.6	20
1,2,4-Trimethylbenzene	0.0250	0.0216	0.0240	86.4	96.0	70.0-126			10.5	20
1,2,3-Trimethylbenzene	0.0250	0.0217	0.0237	86.8	94.8	66.0-132			8.81	20
1,3,5-Trimethylbenzene	0.0250	0.0186	0.0231	74.4	92.4	73.0-127		J3	21.6	20
Vinyl chloride	0.0250	0.0299	0.0330	120	132	63.0-134			9.86	20
Xylenes, Total	0.0750	0.0731	0.0761	97.5	101	72.0-127			4.02	20
(S) Toluene-d8				*101*	*99.9*	*75.0-131*				
(S) 4-Bromofluorobenzene				*90.6*	*88.3*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*107*	*103*	*70.0-130*				

Laboratory Control Sample (LCS)

(LCS) R4031439-4 02/03/24 16:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/MS) Low Fraction	5.00	3.83	76.6	52.0-154	
(S) Toluene-d8			*95.4*	*75.0-131*	
(S) 4-Bromofluorobenzene			*90.5*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*99.8*	*70.0-130*	

Method Blank (MB)

(MB) R4031323-3 02/04/24 15:38

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/MS) Low Fraction	U		0.183	0.500
Acetone	U		0.0207	0.0500
Acrylonitrile	U		0.00202	0.0100
Benzene	U		0.000375	0.00100
Bromobenzene	U		0.000275	0.00100
Bromodichloromethane	U		0.000725	0.00100
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00117	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon tetrachloride	U		0.000248	0.00100
Chlorobenzene	U		0.000192	0.00100
Chlorodibromomethane	U		0.000224	0.00100
Chloroethane	U		0.00100	0.00500
Chloroform	U		0.00103	0.00500
Chloromethane	U		0.000650	0.00250
2-Chlorotoluene	U		0.000225	0.00100
4-Chlorotoluene	U		0.000691	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00190	0.00500
1,2-Dibromoethane	U		0.000250	0.00100
Dibromomethane	U		0.000350	0.00100
1,2-Dichlorobenzene	U		0.000425	0.00100
1,3-Dichlorobenzene	U		0.000600	0.00100
1,4-Dichlorobenzene	U		0.000830	0.00100
Dichlorodifluoromethane	U		0.000287	0.00500
1,1-Dichloroethane	U		0.000268	0.00100
1,2-Dichloroethane	U		0.000450	0.00100
1,1-Dichloroethene	U		0.000355	0.00100
cis-1,2-Dichloroethene	U		0.000475	0.00100
trans-1,2-Dichloroethene	U		0.000500	0.00100
1,2-Dichloropropane	U		0.000164	0.00100
1,1-Dichloropropene	U		0.000375	0.00100
1,3-Dichloropropane	U		0.000225	0.00100
cis-1,3-Dichloropropene	U		0.000425	0.00100
trans-1,3-Dichloropropene	U		0.000675	0.00100
2,2-Dichloropropane	U		0.000375	0.00100
Di-isopropyl ether	U		0.000221	0.00100
Ethylbenzene	U		0.000300	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100

Method Blank (MB)

(MB) R4031323-3 02/04/24 15:38

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Isopropylbenzene	U		0.000425	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000950	0.0100
Naphthalene	U		0.00498	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000223	0.00100
1,1,1,2-Tetrachloroethane	U		0.000296	0.00100
1,1,2,2-Tetrachloroethane	U		0.000231	0.00100
1,1,2-Trichlorotrifluoroethane	U		0.000426	0.00100
Tetrachloroethene	U		0.000325	0.00100
Toluene	U		0.00123	0.00500
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000370	0.00100
1,1,2-Trichloroethane	U		0.000425	0.00100
Trichloroethene	U		0.000200	0.00100
Trichlorofluoromethane	U		0.000356	0.00500
1,2,3-Trichloropropane	U		0.000244	0.00250
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl chloride	U		0.000226	0.00100
Xylenes, Total	U		0.000500	0.00300
(S) Toluene-d8	*110*			*75.0-131*
(S) 4-Bromofluorobenzene	*95.0*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4031323-1 02/04/24 14:13

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/MS) Low Fraction	5.00	4.90	98.0	52.0-154	
(S) Toluene-d8			*97.1*	*75.0-131*	
(S) 4-Bromofluorobenzene			*97.6*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*99.1*	*70.0-130*	

Laboratory Control Sample (LCS)

(LCS) R4031323-2 02/04/24 14:34

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.125	0.117	93.6	10.0-160	
Acrylonitrile	0.125	0.126	101	45.0-153	
Benzene	0.0250	0.0248	99.2	70.0-123	
Bromobenzene	0.0250	0.0203	81.2	73.0-121	
Bromodichloromethane	0.0250	0.0238	95.2	73.0-121	
Bromoform	0.0250	0.0234	93.6	64.0-132	
Bromomethane	0.0250	0.0210	84.0	56.0-147	
n-Butylbenzene	0.0250	0.0235	94.0	68.0-135	
sec-Butylbenzene	0.0250	0.0213	85.2	74.0-130	
tert-Butylbenzene	0.0250	0.0214	85.6	75.0-127	
Carbon tetrachloride	0.0250	0.0275	110	66.0-128	
Chlorobenzene	0.0250	0.0242	96.8	76.0-128	
Chlorodibromomethane	0.0250	0.0232	92.8	74.0-127	
Chloroethane	0.0250	0.0292	117	61.0-134	
Chloroform	0.0250	0.0277	111	72.0-123	
Chloromethane	0.0250	0.0296	118	51.0-138	
2-Chlorotoluene	0.0250	0.0209	83.6	75.0-124	
4-Chlorotoluene	0.0250	0.0211	84.4	75.0-124	
1,2-Dibromo-3-Chloropropane	0.0250	0.0216	86.4	59.0-130	
1,2-Dibromoethane	0.0250	0.0245	98.0	74.0-128	
Dibromomethane	0.0250	0.0221	88.4	75.0-122	
1,2-Dichlorobenzene	0.0250	0.0222	88.8	76.0-124	
1,3-Dichlorobenzene	0.0250	0.0230	92.0	76.0-125	
1,4-Dichlorobenzene	0.0250	0.0227	90.8	77.0-121	
Dichlorodifluoromethane	0.0250	0.0285	114	43.0-156	
1,1-Dichloroethane	0.0250	0.0323	129	70.0-127	J4
1,2-Dichloroethane	0.0250	0.0250	100	65.0-131	
1,1-Dichloroethene	0.0250	0.0273	109	65.0-131	
cis-1,2-Dichloroethene	0.0250	0.0257	103	73.0-125	
trans-1,2-Dichloroethene	0.0250	0.0268	107	71.0-125	
1,2-Dichloropropane	0.0250	0.0284	114	74.0-125	
1,1-Dichloropropene	0.0250	0.0273	109	73.0-125	
1,3-Dichloropropane	0.0250	0.0227	90.8	80.0-125	
cis-1,3-Dichloropropene	0.0250	0.0234	93.6	76.0-127	
trans-1,3-Dichloropropene	0.0250	0.0221	88.4	73.0-127	
2,2-Dichloropropane	0.0250	0.0295	118	59.0-135	
Di-isopropyl ether	0.0250	0.0311	124	60.0-136	
Ethylbenzene	0.0250	0.0238	95.2	74.0-126	
Hexachloro-1,3-butadiene	0.0250	0.0258	103	57.0-150	
Isopropylbenzene	0.0250	0.0246	98.4	72.0-127	

Laboratory Control Sample (LCS)

(LCS) R4031323-2 02/04/24 14:34

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
p-Isopropyltoluene	0.0250	0.0205	82.0	72.0-133	
2-Butanone (MEK)	0.125	0.0864	69.1	30.0-160	
Methylene Chloride	0.0250	0.0291	116	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.125	0.0990	79.2	56.0-143	
Naphthalene	0.0250	0.0237	94.8	59.0-130	
n-Propylbenzene	0.0250	0.0208	83.2	74.0-126	
Styrene	0.0250	0.0244	97.6	72.0-127	
1,1,1,2-Tetrachloroethane	0.0250	0.0242	96.8	74.0-129	
1,1,2,2-Tetrachloroethane	0.0250	0.0210	84.0	68.0-128	
1,1,2-Trichlorotrifluoroethane	0.0250	0.0273	109	61.0-139	
Tetrachloroethene	0.0250	0.0256	102	70.0-136	
Toluene	0.0250	0.0243	97.2	75.0-121	
1,2,3-Trichlorobenzene	0.0250	0.0265	106	59.0-139	
1,2,4-Trichlorobenzene	0.0250	0.0272	109	62.0-137	
1,1,1-Trichloroethane	0.0250	0.0278	111	69.0-126	
1,1,2-Trichloroethane	0.0250	0.0225	90.0	78.0-123	
Trichloroethene	0.0250	0.0228	91.2	76.0-126	
Trichlorofluoromethane	0.0250	0.0244	97.6	61.0-142	
1,2,3-Trichloropropane	0.0250	0.0183	73.2	67.0-129	
1,2,4-Trimethylbenzene	0.0250	0.0228	91.2	70.0-126	
1,2,3-Trimethylbenzene	0.0250	0.0219	87.6	66.0-132	
1,3,5-Trimethylbenzene	0.0250	0.0213	85.2	73.0-127	
Vinyl chloride	0.0250	0.0334	134	63.0-134	
Xylenes, Total	0.0750	0.0749	99.9	72.0-127	
(S) Toluene-d8			*99.5*	*75.0-131*	
(S) 4-Bromofluorobenzene			*98.5*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*107*	*70.0-130*	

Method Blank (MB)

(MB) R4031764-3 02/08/24 13:43

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Methyl tert-butyl ether	U		0.000350	0.00100
(S) Toluene-d8	*114*			*75.0-131*
(S) 4-Bromofluorobenzene	*99.5*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*80.0*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4031764-1 02/08/24 12:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Methyl tert-butyl ether	0.0250	0.0231	92.4	66.0-132	
(S) Toluene-d8			*110*	*75.0-131*	
(S) 4-Bromofluorobenzene			*95.4*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*103*	*70.0-130*	

Method Blank (MB)

(MB) R4031765-3 02/08/24 13:43

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Bromobenzene	U		0.000275	0.00100
Bromoform	U		0.000424	0.00100
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Chlorobenzene	U		0.000192	0.00100
Chlorodibromomethane	U		0.000224	0.00100
2-Chlorotoluene	U		0.000225	0.00100
4-Chlorotoluene	U		0.000691	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00190	0.00500
1,2-Dibromoethane	U		0.000250	0.00100
1,2-Dichlorobenzene	U		0.000425	0.00100
1,3-Dichlorobenzene	U		0.000600	0.00100
1,4-Dichlorobenzene	U		0.000830	0.00100
1,3-Dichloropropane	U		0.000225	0.00100
trans-1,3-Dichloropropene	U		0.000675	0.00100
Ethylbenzene	U		0.000300	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
Isopropylbenzene	U		0.000425	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
4-Methyl-2-pentanone (MIBK)	U		0.000950	0.0100
Naphthalene	U		0.00498	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000223	0.00100
1,1,1,2-Tetrachloroethane	U		0.000296	0.00100
1,1,2,2-Tetrachloroethane	U		0.000231	0.00100
Tetrachloroethene	U		0.000325	0.00100
Toluene	U		0.00123	0.00500
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,2-Trichloroethane	U		0.000425	0.00100
1,2,3-Trichloropropane	U		0.000244	0.00250
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Xylenes, Total	U		0.000500	0.00300
(S) Toluene-d8	*114*			*75.0-131*
(S) 4-Bromofluorobenzene	*99.5*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*80.0*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4031765-1 02/08/24 12:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromobenzene	0.0250	0.0198	79.2	73.0-121	
Bromoform	0.0250	0.0257	103	64.0-132	
n-Butylbenzene	0.0250	0.0236	94.4	68.0-135	
sec-Butylbenzene	0.0250	0.0221	88.4	74.0-130	
tert-Butylbenzene	0.0250	0.0233	93.2	75.0-127	
Chlorobenzene	0.0250	0.0290	116	76.0-128	
Chlorodibromomethane	0.0250	0.0276	110	74.0-127	
2-Chlorotoluene	0.0250	0.0215	86.0	75.0-124	
4-Chlorotoluene	0.0250	0.0214	85.6	75.0-124	
1,2-Dibromo-3-Chloropropane	0.0250	0.0231	92.4	59.0-130	
1,2-Dibromoethane	0.0250	0.0296	118	74.0-128	
1,2-Dichlorobenzene	0.0250	0.0258	103	76.0-124	
1,3-Dichlorobenzene	0.0250	0.0257	103	76.0-125	
1,4-Dichlorobenzene	0.0250	0.0255	102	77.0-121	
1,3-Dichloropropane	0.0250	0.0233	93.2	80.0-125	
trans-1,3-Dichloropropene	0.0250	0.0208	83.2	73.0-127	
Ethylbenzene	0.0250	0.0270	108	74.0-126	
Hexachloro-1,3-butadiene	0.0250	0.0277	111	57.0-150	
Isopropylbenzene	0.0250	0.0270	108	72.0-127	
p-Isopropyltoluene	0.0250	0.0214	85.6	72.0-133	
4-Methyl-2-pentanone (MIBK)	0.125	0.0972	77.8	56.0-143	
Naphthalene	0.0250	0.0254	102	59.0-130	
n-Propylbenzene	0.0250	0.0204	81.6	74.0-126	
Styrene	0.0250	0.0266	106	72.0-127	
1,1,1,2-Tetrachloroethane	0.0250	0.0274	110	74.0-129	
1,1,2,2-Tetrachloroethane	0.0250	0.0212	84.8	68.0-128	
Tetrachloroethene	0.0250	0.0315	126	70.0-136	
Toluene	0.0250	0.0267	107	75.0-121	
1,2,3-Trichlorobenzene	0.0250	0.0293	117	59.0-139	
1,2,4-Trichlorobenzene	0.0250	0.0288	115	62.0-137	
1,1,2-Trichloroethane	0.0250	0.0257	103	78.0-123	
1,2,3-Trichloropropane	0.0250	0.0190	76.0	67.0-129	
1,2,4-Trimethylbenzene	0.0250	0.0231	92.4	70.0-126	
1,2,3-Trimethylbenzene	0.0250	0.0228	91.2	66.0-132	
1,3,5-Trimethylbenzene	0.0250	0.0212	84.8	73.0-127	
Xylenes, Total	0.0750	0.0837	112	72.0-127	
(S) Toluene-d8			*110*	*75.0-131*	
(S) 4-Bromofluorobenzene			*95.4*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*103*	*70.0-130*	

Method Blank (MB)

(MB) R4030152-1 02/05/24 15:08

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) High Fraction	U		0.769	4.00
(S) o-Terphenyl	*66.4*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4030152-2 02/05/24 15:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) High Fraction	50.0	34.9	69.8	50.0-150	
(S) o-Terphenyl			*62.9*	*18.0-148*	

L1701230-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1701230-04 02/05/24 16:39 • (MS) R4030152-3 02/05/24 16:52 • (MSD) R4030152-4 02/05/24 17:05

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	58.9	95.2	177	225	139	213	1	50.0-150		J3 J5	24.0	20
(S) o-Terphenyl					*43.2*	*48.2*		*18.0-148*				

Method Blank (MB)

(MB) R4031104-2 02/02/24 12:51

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.00230	0.00600
Acenaphthene	U		0.00209	0.00600
Acenaphthylene	U		0.00216	0.00600
Benzo(a)anthracene	U		0.00173	0.00600
Benzo(a)pyrene	U		0.00179	0.00600
Benzo(b)fluoranthene	U		0.00153	0.00600
Benzo(g,h,i)perylene	U		0.00177	0.00600
Benzo(k)fluoranthene	U		0.00215	0.00600
Chrysene	U		0.00232	0.00600
Dibenz(a,h)anthracene	U		0.00172	0.00600
Fluoranthene	U		0.00227	0.00600
Fluorene	U		0.00205	0.00600
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600
Naphthalene	U		0.00408	0.0200
Phenanthrene	U		0.00231	0.00600
Pyrene	U		0.00200	0.00600
1-Methylnaphthalene	U		0.00449	0.0200
2-Methylnaphthalene	U		0.00427	0.0200
2-Chloronaphthalene	U		0.00466	0.0200
(S) Nitrobenzene-d5	*90.4*			*14.0-149*
(S) 2-Fluorobiphenyl	*89.3*			*34.0-125*
(S) p-Terphenyl-d14	*86.6*			*23.0-120*

Laboratory Control Sample (LCS)

(LCS) R4031104-1 02/02/24 12:34

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0737	92.1	50.0-126	
Acenaphthene	0.0800	0.0647	80.9	50.0-120	
Acenaphthylene	0.0800	0.0700	87.5	50.0-120	
Benzo(a)anthracene	0.0800	0.0742	92.8	45.0-120	
Benzo(a)pyrene	0.0800	0.0686	85.8	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0725	90.6	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0672	84.0	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0679	84.9	49.0-125	
Chrysene	0.0800	0.0749	93.6	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0659	82.4	47.0-125	
Fluoranthene	0.0800	0.0815	102	49.0-129	

Laboratory Control Sample (LCS)

(LCS) R4031104-1 02/02/24 12:34

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluorene	0.0800	0.0742	92.8	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0713	89.1	46.0-125	
Naphthalene	0.0800	0.0640	80.0	50.0-120	
Phenanthrene	0.0800	0.0756	94.5	47.0-120	
Pyrene	0.0800	0.0747	93.4	43.0-123	
1-Methylnaphthalene	0.0800	0.0702	87.8	51.0-121	
2-Methylnaphthalene	0.0800	0.0678	84.8	50.0-120	
2-Chloronaphthalene	0.0800	0.0672	84.0	50.0-120	
(S) Nitrobenzene-d5			*98.4*	*14.0-149*	
(S) 2-Fluorobiphenyl			*94.7*	*34.0-125*	
(S) p-Terphenyl-d14			*92.0*	*23.0-120*	

L1701334-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1701334-01 02/02/24 16:20 • (MS) R4031104-3 02/02/24 16:37 • (MSD) R4031104-4 02/02/24 16:54

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0836	U	0.0680	0.0630	81.3	75.4	1	10.0-145			7.57	30
Acenaphthene	0.0836	U	0.0631	0.0579	75.5	69.2	1	14.0-127			8.73	27
Acenaphthylene	0.0836	U	0.0678	0.0626	81.1	74.9	1	21.0-124			7.94	25
Benzo(a)anthracene	0.0836	U	0.0658	0.0621	78.7	74.2	1	10.0-139			5.78	30
Benzo(a)pyrene	0.0836	U	0.0661	0.0615	79.0	73.6	1	10.0-141			7.11	31
Benzo(b)fluoranthene	0.0836	U	0.0677	0.0638	80.9	76.3	1	10.0-140			5.94	36
Benzo(g,h,i)perylene	0.0836	U	0.0688	0.0644	82.3	77.0	1	10.0-140			6.66	33
Benzo(k)fluoranthene	0.0836	U	0.0651	0.0605	77.9	72.3	1	10.0-137			7.39	31
Chrysene	0.0836	U	0.0689	0.0648	82.4	77.5	1	10.0-145			6.16	30
Dibenz(a,h)anthracene	0.0836	U	0.0608	0.0572	72.7	68.4	1	10.0-132			6.08	31
Fluoranthene	0.0836	U	0.0710	0.0667	85.0	79.8	1	10.0-153			6.28	33
Fluorene	0.0836	U	0.0702	0.0648	84.0	77.5	1	11.0-130			7.97	29
Indeno(1,2,3-cd)pyrene	0.0836	U	0.0650	0.0603	77.8	72.1	1	10.0-137			7.58	32
Naphthalene	0.0836	U	0.0638	0.0562	76.3	67.2	1	10.0-135			12.7	27
Phenanthrene	0.0836	U	0.0676	0.0634	80.8	75.9	1	10.0-144			6.29	31
Pyrene	0.0836	U	0.0674	0.0632	80.6	75.6	1	10.0-148			6.31	35
1-Methylnaphthalene	0.0836	U	0.0684	0.0619	81.8	74.0	1	10.0-142			10.0	28
2-Methylnaphthalene	0.0836	U	0.0653	0.0593	78.2	71.0	1	10.0-137			9.65	28
2-Chloronaphthalene	0.0836	U	0.0669	0.0619	80.1	74.0	1	29.0-120			7.87	24
(S) Nitrobenzene-d5					*78.8*	*77.7*		*14.0-149*				
(S) 2-Fluorobiphenyl					*80.4*	*78.0*		*34.0-125*				
(S) p-Terphenyl-d14					*78.9*	*75.4*		*23.0-120*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address: TerraCon, 6952 S. High Tech Dr, Midvale, UT 84047

Billing Information: Same

Report to: Daniel Dean

Email To: daniel.dean@terracon.com

Project Description: Woodside Park City

City/State Collected: Park City, Utah

Please Circle: PT (MT) CT ET

Phone: 801-545-8500

Client Project #: 61237401

Lab Project #

Collected by (print): Sarah Hamilton

Site/Facility ID #

P.O. #

Collected by (signature):

Quote #

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed: Standard

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

Pace
PEOPLE ADVANCING SCIENCE
12065 Lebanon Rd Mount Juliet, TN 37122
Phone: 615-758-5858 Alt: 800-767-5859
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1701251
C085

Acctnum: TERROUT
Template:
Prelogin:
PM: Chris Ward
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	VOC's By EPA 8260/5035	TPH-GRO By EPA 8260	TPH-DRO By EPA 8015	TRPH-By EPA 1664	PAH's By EPA 8270	RCRA 8 Metals By EPA 6010	Remarks	Sample # (lab only)
SS-P1@0	Grab	SS	0	1/30/24	12:45	6	X	X	X	X	X	X		-01
SS-P2@0			0		1:00p	5	X	X	X	X	X	X		-02
B-1@0.5			0.5		11:55	6	X	X	X	X	X	X		-03
B-1@2.5			2.5		12:00	6	X	X	X	X	X	X		-04
B-2@0.5			0.5		11:25	2	X	X	X	X	X	X		-05
B-2@3			3		11:30	4	X	X	X	X	X	X		-06
B-3@0.5			0.5		10:55	3	X	X	X	X	X	X		-07
B-3@3			3		11:00	3	X	X	X	X	X	X		-08
B-4@0.5			0.5		9:50	4	X	X	X	X	X	X		-09
B-4@8			8		10:00	4	X	X	X	X	X	X		-10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	1/30/24	15:32		
Relinquished by : (Signature) PNSLCOT	Date: 1/31/24	Time: 17:00	Received by: (Signature)	Temp: °C Bottles Received: 57
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) (23)	Date: 2-1-24 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Company Name/Address:
TerraCON
6952 S. High Tech Dr
Midvale, UT 84047

Billing Information:
Same

Report to: Daniel Dean

Email To: daniel.dean@terracon.com

Project Description: Woodside Park City

City/State Collected: Park City, Utah

Please Circle: PT (MT) CT ET

Phone: 801-545-8500

Client Project # 61237401

Lab Project #

Collected by (print): Sarah Hamilton

Site/Facility ID #

P.O. #

Collected by (signature):

Quote #

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed: Standard

Analysis / Container / Preservative

Pres Chk

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	VOC's By EPA 8260/5035	TPH-GRO By EPA 8260	TPH-DRO By EPA 8015	TRPH- By EPA 1664	PAH's By EPA 8270	RCRA 8 Metals By EPA 6010					Remarks	Sample # (lab only)
B-5@0.5	Grab	SS	0.5	1/30/24	10:30	4	X	X	X	X	X	X						-11
B-5@7.5	Grab	SS	7.5	1/30/24	10:35	4	X	X	X	X	X	X						-12

Chain of Custody Page 2 of 2

Pace
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SDG # L1701251

Table #

Acctnum: TERROOT

Template:

Prelogin:

PM: Chris Ward

PB:

Shipped Via:

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

	Date:	Time:		
Relinquished by: (Signature)	1/30/24	15:32	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by: (Signature) PUSLCOT	1/31/24	17:00	Received by: (Signature)	Temp: °C Bottles Received: 5 1
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 2.1.24 Time: 0800

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

L1701251

Tracking Numbers	Temperature
SWA	DPA80.7+0=2.7
SWA	DPA82.5+0=2.5

Name

Date