Phase II Environmental Site Assessment

Bonanza Park
1665 Bonanza Drive
Park City, Summit County, Utah
EPA Cooperative Agreement #95815230
ACRES IDs# 259685, 259686, 259688, 259689, 259690, 259691, 259692, 259693, 259694

April 23, 2024 | Terracon Project No. 61237186 Task 4.11

Prepared for:
Utah Department of Environmental Quality/
Division Of Environmental Response and Remediation
Salt Lake City, Utah

6952 South High Tech Drive Ste B
Midvale, Utah 84047
P (801) 545-8500
Terracon.com

April 23, 2024

Department of Environmental Quality
Division of Environmental Response and Remediation
P.O. Box 144840
Salt Lake City, Utah 84114-4840

Attn: Joseph Katz
P: (801) 536-4100
E: jkatz@utah.gov

Re: Phase II Environmental Site Assessment
Bonanza Park
1665 Bonanza Drive,Park City, Summit County, Utah
Terracon Project No. 61237186 Task 4.11
EPA Cooperative Agreement #95815230
EPA ACRES Property IDs# 259685, 259686, 259688, 259689, 259690, 259691, 259692, 259693, 259694
Utah Department of Environmental Quality/Division of Environmental Response and Remediation Community-Wide Assessment Grant For States and Tribes

Dear Mr. Katz:

Terracon Consultants, Inc. (Terracon) is pleased to submit this Phase II Environmental Site Assessment which details the site investigation activities completed at the above-referenced site. The report presents data from field activities that included the collection of soil and groundwater samples. This investigation was conducted under EPA Cooperative Agreement #95815230 dated August 19, 2022 and guided by a Sampling and Analysis Plan reviewed and approved by EPA. Quality of data was guided by the EPA-approved *Community-Wide Quality Assurance Project Plan (QAPP)* dated July 21, 2023.

We appreciate the opportunity to be of service to you on this project. Should you have any questions or require additional information, please do not hesitate to contact our office.

Sincerely,

Terracon Consultants, Inc.

Andy King
Senior Project Manager
Environmental Services

Daniel Dean
Authorized Project Reviewer

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Phase II Environmental Site Assessment

Utah Department of Environmental Quality/Division of Environmental Response and Remediation Community-Wide Assessment Grant For States and Tribes
EPA Cooperative Agreement No. 95815230

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1.0 Introduction

Terracon Consultants, Inc. (Terracon) has completed a Phase II Environmental Site Assessment (Phase II ESA) at the Bonanza Park Brownfields Assessment Project site located at 1665 Bonanza Drive, Park City, Utah (Exhibit 1). This Phase II ESA was completed with funding from the Utah Department of Environmental Quality/Division of Environmental Response and Remediation Community-Wide Assessment Grant For States and Tribes following the approved Sampling and Analysis Plan (SAP; Terracon 2023a), and Quality Assurance Project Plan (QAPP; Terracon 2023b).

The site is comprised of approximately 5.43 acres of land consisting of the addresses, Summit County Assessor Parcel Numbers (APN), and land uses listed below:

Address	APN	Acres	ACRES ID	Use
1635 Bonanza Drive	PSA-46-A-X	0.43	259685	Vacant, former Maverik Station
1665 Bonanza Drive	PSA-46-RE-B-X	1.01	259686	Vacant, former medical clinic
1685 Bonanza Drive	PSA-46-RE-C-X	0.42	259688	Vacant, former hardware store and miscellaneous commercial uses
1705 Bonanza Drive	PSA-46-RE-D-X	0.37	259689	Vacant, former car wash

Address	APN	Acres	ACRES ID	Use
1401 Kearns Boulevard	PCA-110-G-1-X	1.2	259690	Vacant, former church and miscellaneous commercial uses
1409 Kearns Boulevard	KBC-A-X	0.59	259691	Vacant, former coffee shop
1415 Kearns Boulevard	KBC-B-X	0.54	259692	Vacant
1420 Munchkin Road	PCA-110-G-2-A-X	0.32	259693	Vacant
1490 Munchkin Road	PCA-110-G-3-X	0.55	259694	Vacant, former automotive repair shop, former Anayas Market

1.1 Brownfields Setting

The Utah Division of Environmental Quality (UDEQ)/Division of Environmental Response and Remediation (DERR) is the recipient of an EPA Brownfields Assessment Grant (Grant) to inventory, characterize, assess, and conduct cleanup planning along with public outreach activities for eligible Brownfield sites within the State of Utah.

Previous environmental investigations at the site had identified the presence of contaminants including metals and petroleum, but the nature and extent of impacts had not been defined. The site was approved for investigation under the Grant via a Site Eligibility Determination Outline dated August 17, 2023. The Phase II ESA was completed following the EPA-approved SAP and QAPP.

1.2 Site Description and Background

Multiple environmental investigations were previously conducted at the site. These investigations included a Phase I Environmental Site Assessment (ESA) and Limited Site Investigation (LSI) conducted at the site by Terracon in September 2017 (Terracon 2017a and 2017b, respectively), and an underground storage tank (UST) closure (Maverik 2020). Based on the historical review, the site appeared to be vacant until approximately 1967. One building was developed on present-day 1401 Kearns Blvd by 1976. Three additional buildings were developed on present-day 1420 and 1490 Munchkin Road from 1978–1983. Four additional buildings were developed on the eastern and northern portion of the site from 1993–2009. Silver King Coffee was present in the northern parking area by 2011. All buildings on the site except for the former Maverik building were demolished between September 2020 and August 2021.

The previous investigations identified the following real or potential presence of a hazardous substance, pollutant, or contaminant:

Metals-impacted fill soils: The LSI identified non-native fill soils that were impacted by arsenic and lead. LSI soil samples reported arsenic concentrations as high as 145 mg/kg lead concentrations as high as 3,880 mg/kg (sample location TER-8, Exhibit 2).

Petroleum release: A former Maverik gasoline filling station located in the northeastern corner of the site operated from 1986 to 2020 and had four reported releases during that time. The UST closure report (Maverik 2020) did not evaluate groundwater. The Terracon LSI reported diesel-range petroleum hydrocarbons in groundwater exceeding the DERR Initial Screening Level (ISL) and gasoline-range petroleum hydrocarbons in groundwater exceeding the DERR Tier 1 Screening Level (Tier 1) at sample location TER-11 (Exhibit 2).

Historical automobile service and repair on the site: Historical research identified a former automobile service and repair business at the site address 1490 Munchkin Road. From 1982 to sometime between 1992 and 1994 the northern half of the building was used for this purpose. General automobile service and repairs were conducted, including engine and transmission work. There was reportedly a nearly 40-year-old oil/water separator at the site, but it was located in an area that Terracon could not access during the Phase I ESA or LSI.

This Phase II ESA was conducted to further assess soil and groundwater impacts at the site. Sampling of subsurface soil and groundwater was conducted to fully evaluate environmental risks to future users of the site.

1.3 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, either express or implied, regarding the findings, conclusions, or recommendations. Please note that Terracon does not warrant the work of laboratories, regulatory agencies, or other third parties supplying information used in the preparation of the report. These Phase II ESA services were performed in accordance with the scope of work agreed with the UDEQ/DERR, our client, as reflected in our proposal and consistent with ASTM E1903-19, *Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment.*

1.4 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 work; 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, non-detectable, 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 Phase II ESA investigation. Subsurface conditions may vary from those encountered at

specific borings, 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.

1.5 Reliance

This report has been prepared for the exclusive use of the UDEQ/DERR. 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 the UDEQ/DERR and Terracon. Reliance by authorized parties will be subject to the terms, conditions, and limitations stated in the underlying contract between the UDEQ/DERR and Terracon. The limitation of liability defined in the terms and conditions is the aggregate limit of Terracon's liability to all relying parties unless otherwise agreed in writing.

2.0 Phase II Site Investigation

2.1 Scope

The proposed Phase II ESA scope of work described in the SAP was intended to gather the necessary data to evaluate the environmental impacts and risks to site users from contaminants in soil and groundwater at the site. It is anticipated that the property will be redeveloped for residential and/or commercial use. These activities were conducted in accordance with a site-specific SAP that was approved by EPA and the UDEQ/DERR for this site. The SAP established specific site objectives, sampling process design, and details regarding site-specific sampling and analyses and was used in conjunction with the EPA-approved QAPP.

2.2 Sampling Process Design

The sampling strategy for soil and groundwater was designed to gather the necessary data to evaluate the environmental impacts resulting from metals-impacted fill, petroleum releases, and auto repair operations identified in previous investigations. Exhibit 2 (Appendix A) shows the soil and groundwater sampling locations.

The exact location of each sampling location was dictated by drilling equipment access constraints, utilities and underground features, and safety. Thirteen soil borings were advanced to a depth of 20 feet below ground surface (bgs) to allow subsurface soil sampling, and five borings were advanced to depths of 35-40 feet bgs to allow subsurface soil sampling and intercept the groundwater table for groundwater sampling. A groundwater sample was unable to be collected from one of these deeper borings (B-3) due to boring collapse and refusal. Groundwater samples were collected from four soil borings using temporary monitoring wells.

The following soil samples were collected from the soil borings:

- Petroleum Hydrocarbons: Total Petroleum Hydrocarbons (TPH) Gasoline Range Organics (GRO), TPH Diesel Range Organics (DRO), and Total Recoverable Petroleum Hydrocarbons (TRPH): One sample for petroleum hydrocarbons analysis was collected from borings B-1, B-2, B-3, B-4, and B-5 at the most impacted depth interval (field-identified based on PID readings, staining, visual observations, etc.) or, if impacts were not observed, at the soil/groundwater interface.
- Volatile Organic Compounds (VOCs): One sample for VOCs analysis was collected from borings B-1, B-2, B-3, B-4, and B-5 at the most impacted depth interval (field-identified based on PID readings, staining, visual observations, etc.) or, if impacts were not observed, at the soil/groundwater interface.
- Resource Conservation and Recovery Act (RCRA) 8 Metals: Three soil samples for RCRA 8 metals were collected from all 18 borings. RCRA 8 metals samples were collected at the surface (or as close as practicable), at the most impacted depth interval (field-identified based on X-ray Fluorescence [XRF] instrument readings), and from underlying native soils.

The following groundwater samples were collected from borings B-1, B-2, B-4, and B-5[1]:

- Petroleum Hydrocarbons (TPH-GRO, TPH-DRO, TRPH): One sample for petroleum hydrocarbons was collected from boring B-1, B-2, B-4, and B-5.
- VOCs: One sample for VOCs was collected from boring B-1, B-2, B-4, and B-5.

Tables C1 through C4 (Appendix C) present the results of the soil and groundwater sampling.

Samples were delivered to the analytical laboratory within holding times for all analytical methods to generate definitive analytical data which are critical to this assessment. Table 1

[1] A groundwater sample could not be collected from boring B-3 as planned. During the first drilling attempt using direct-push drilling equipment, the boring collapsed during removal of the drill string after collection of a soil sample at 36.5 feet bgs. Field personnel attempted to re-drill the boring twice using auger equipment. During the first attempt with auger equipment the auger flight broke at approximately 15 feet bgs. A second attempt to re-drill the boring with auger equipment was aborted when drilling refusal occurred at approximately 25 feet bgs. No further attempts were made to complete the boring.

below provides a summary description of the sample locations, sample types, sample naming convention, laboratory analyses, and sampling rationale.

Table 1: Summary of Sampling Locations

Sample Location	Rationale	Soil Sample Interval	Sample Matrix	Analytes
B-1 through B-18	Characterization of metals-impacted fill soils and underlying native soils	Surface, most impacted fill interval, sub-fill native	Soil	RCRA 8 Metals
B-1, B-2, B-3, B-4	Characterization of petroleum release from former Maverik station	Most impacted fill interval, or soil/groundwater interface	Soil Groundwater (B-1, B-2, B-4 only)	VOCs, TPH-GRO, TPH-DRO, TRPH
B-5	Characterization of potential impacts from former auto repair facility	Most impacted fill interval, or soil/groundwater interface	Soil Groundwater	VOCs, TPH-GRO, TPH-DRO, TRPH

2.3 Field Data Collection

Following SAP approval, the public utility location service (Blue Stakes of Utah) was notified at least 48 hours prior to commencing drilling activities. A private utility location service was used to locate potential utilities and other subsurface obstacles in the immediate vicinity of each soil boring location.

Terracon conducted the soil and groundwater sampling between January 23 and January 25, 2024. The mechanized drilling services were performed by Utah-licensed well driller Direct Push Services. Terracon environmental personnel directed and supervised the drilling and activities, logged the soil borings, and collected field samples.

During advancement of the soil borings, soils were continuously cored in approximate 5-foot intervals and observed to document subsurface soil types, color, relative moisture content, PID readings, and sensory evidence of environmental impacts.

Detailed lithological descriptions are included on the soil boring logs provided in Appendix B. Fill thickness varied across the site, ranging from less than 1 to approximately 8.5 feet bgs.

Underlying native soils generally consisted of gravelly sands and silts with localized zones of clays and gravels at depth. Depth to groundwater, where encountered, ranged from approximately 33 to 35 feet bgs. Groundwater flow direction was determined to be toward the northwest (Exhibit 3), based on relative groundwater elevations measured from temporary piezometers that were installed in borings B-2, B-4, and B-5.

2.4 Soil Sampling

Soil samples were collected from direct-push borings following the procedures detailed in Standard Operating Procedure (SOP) 5*, Geoprobe Sampling*, provided in Appendix B of the EPA-approved QAPP. During advancement of the borings, soils were logged as detailed in *SOP 1, Soil Sampling and Logging,* provided in Appendix B of the EPA-approved QAPP.

2.5 Groundwater Sampling

Groundwater samples were collected from four of the borings following the procedures detailed in SOP 5, *Geoprobe Sampling,* provided in Appendix B of the EPA-approved QAPP.

2.6 Field QA/QC Samples

Field duplicates were collected at a minimum rate of 10 percent with one trip blank (laboratory-supplied blank) per sample shipment with VOCs analyses. Duplicate and trip blank samples included one trip blank, seven duplicate soil samples, and one duplicate groundwater sample.

The original sample and corresponding duplicate samples are detailed below:

Soil Samples		
Sample ID	Duplicate ID	Analytes
B-2 @ 0.5	B-112 @ 0.5	RCRA 8 Metals
B-2 @ 4	B-112 @ 4	RCRA 8 Metals
B-2 @ 6	B-112 @ 6	RCRA 8 Metals
B-4 @ 0.5	B-114 @ 0.5	RCRA 8 Metals

B-9 @ 4	B-119 @ 4	RCRA 8 Metals
B-10 @ 5.5	B-110 @ 5.5	RCRA 8 Metals
B-2 @ 33.5	B-112 @ 33.5	TPH-GRO, TPH-DRO, TRPH, VOCs
Groundwater Samples		
Sample ID	Duplicate ID	Analytes
B-4 GW	B-114 GW	TPH-GRO, TPH-DRO, TRPH, VOCs

2.7 Equipment Decontamination

Clean disposable, single-use sampling equipment was used to conduct the soil and groundwater sampling and was properly disposed of after each use. Drilling equipment and any other non-single use equipment items used were cleaned using a high-pressure washer prior to beginning the project and between boring locations.

2.8 Site Restoration

Site restoration was conducted by backfilling the borings with bentonite chips and finishing with concrete, asphalt, or native soil to match the surrounding surface.

3.0 Laboratory Analytical Methods

Soil and groundwater samples (including field duplicates and trip blanks) were placed in iced coolers and shipped under chain-of-custody protocols via overnight courier to Pace Analytical National Center for Testing & Innovation (Pace) in Mt. Juliet, Tennessee (a Utah-Certified Laboratory).

Samples were analyzed using the following methods:

Table 2: Analytical Method Summary

Parameter	Matrix (Solid/Liquid)	Analytical Method	No. of Samples[1]
RCRA 8 metals	Soil	SW-846 6010B, 7471	60
VOCs, TPH-GRO	Soil	SW-846 8260	6
TPH-DRO	Soil	SW-846 8015	6
VOCs, TPH-GRO	Groundwater	SW-846 8260B	5
TPH-DRO	Groundwater	SW-846 3511/8015	5
TRPH	Groundwater	SW-846 1664A	5
VOCs, TPH-GRO	Water (trip blank)	SW-846 8260B	1

[1]Includes field duplicate samples.

4.0 Summary Of Analytical Results

The following sections summarize the analytical results. A summary of the analytical results is provided in Table C1 through C4 (Appendix C). Copies of the analytical reports and sample chain-of-custody records are provided in Appendix D.

Constituent concentrations in soil were compared to the following screening levels:

- UDEQ DERR Initial Screening Levels (ISLs) and Tier 1 Screening Levels (Tier 1) for petroleum hydrocarbons in soil
- EPA Regional Screening Levels (RSLs) for Residential and Industrial use scenarios

Constituent concentrations in groundwater were compared to the following screening levels:

- UDEQ DERR ISLs and Tier 1 criteria for petroleum hydrocarbons in groundwater
- EPA Maximum Contaminant Levels (MCLs)

- Utah Ground Water Quality Standards (UGWQS; UAC-R317-6-2.1)
- EPA Target Groundwater Concentrations (TGC) Vapor Intrusion Screening Levels (VISLs) for Residential and Commercial use scenarios

4.1 Soil Data Summary

Fifty-four soil samples and six field duplicate samples were analyzed for RCRA 8 metals. Five soil samples and one field duplicate were analyzed for TPH-GRO, TPH-DRO, TRPH, and VOCs. Soil samples that exceeded one or more applicable screening levels are detailed below.

Metals: Arsenic was reported at concentrations above the Industrial RSL of 3 milligrams per kilogram (mg/kg) in all soil samples that were analyzed for RCRA 8 metals, with the maximum arsenic concentration reported at 528 mg/kg (Table C1). Cadmium concentrations exceeded the Industrial RSL in 14 soil samples. Lead concentrations exceeded the Residential RSL screening guidance of 200 mg/kg in ten samples and the Industrial RSL of 800 mg/kg in 11 samples, with the maximum lead concentration reported at 15,700 mg/kg. Mercury was reported at a concentration above the Residential RSL in one sample and above the Industrial RSL in one sample, with the maximum mercury concentration reported at 286 mg/kg.

Sample	Analyte	Exceedance
B-1 @ 0.5	Arsenic Cadmium Lead	Industrial RSL Residential RSL Industrial RSL
B-1 @ 4	Arsenic Cadmium Lead Mercury	Industrial RSL Residential RSL Industrial RSL Residential RSL
B-1 @ 6	Arsenic Cadmium Lead	Industrial RSL Residential RSL Industrial RSL
B-2 @ 0.5	Arsenic Lead	Industrial RSL Residential RSL
B-2 @ 4	Arsenic Lead	Industrial RSL Residential RSL
B-2 @ 6	Arsenic	Industrial RSL
B-3 @ 0.5	Arsenic	Industrial RSL
B-3 @ 2.5	Arsenic Lead	Industrial RSL Residential RSL

B-3 @ 5	Arsenic Cadmium	Industrial RSL Residential RSL
B-4 @ 0.5	Arsenic	Industrial RSL
B-4 @ 2.5	Arsenic	Industrial RSL
B-4 @ 4	Arsenic	Industrial RSL
B-5 @ 0.5	Arsenic	Industrial RSL
B-5 @ 5	Arsenic	Industrial RSL
B-5 @ 8	Arsenic Cadmium	Industrial RSL Residential RSL
B-6 @ 0.5	Arsenic	Industrial RSL
B-6 @ 3.5	Arsenic Cadmium Lead	Industrial RSL Residential RSL Residential RSL
B-6 @ 5	Arsenic	Industrial RSL
B-7 @ 0.5	Arsenic	Industrial RSL
B-7 @ 2	Arsenic	Industrial RSL
B-7 @ 7	Arsenic	Industrial RSL
B-8 @ 0.5	Arsenic	Industrial RSL
B-8 @ 2.5	Arsenic Lead	Industrial RSL Residential RSL
B-8 @ 6	Arsenic	Industrial RSL
B-9 @ 0.5	Arsenic	Industrial RSL
B-9 @ 4	Arsenic Cadmium Lead Mercury	Industrial RSL Residential RSL Industrial RSL Industrial RSL
B-9 @ 5	Arsenic Cadmium	Industrial RSL Residential RSL
B-10 @ 0.5	Arsenic Cadmium Lead	Industrial RSL Residential RSL Residential RSL
B-10 @ 1.5	Arsenic Cadmium Lead	Industrial RSL Residential RSL Industrial RSL
B-10 @ 5.5	Arsenic	Industrial RSL
B-11 @ 0.5	Arsenic Cadmium Lead	Industrial RSL Residential RSL Industrial RSL
B-11 @ 3.5	Arsenic	Industrial RSL

	Cadmium Lead	Residential RSL Industrial RSL
B-11 @ 5	Arsenic	Industrial RSL
B-12 @ 0.5	Arsenic	Industrial RSL
B-12 @ 4.5	Arsenic Lead	Industrial RSL Residential RSL
B-12 @ 6	Arsenic	Industrial RSL
B-13 @ 0.5	Arsenic	Industrial RSL
B-13 @ 2	Arsenic Lead	Industrial RSL Industrial RSL
B-13 @ 5	Arsenic	Industrial RSL
B-14 @ 0.5	Arsenic	Industrial RSL
B-14 @ 2	Arsenic Lead	Industrial RSL Residential RSL
B-14 @ 6	Arsenic	Industrial RSL
B-15 @ 0.5	Arsenic	Industrial RSL
B-15 @ 3.5	Arsenic Cadmium Lead	Industrial RSL Residential RSL Industrial RSL
B-15 @ 6	Arsenic	Industrial RSL
B-16 @ 0.5	Arsenic Cadmium Lead	Industrial RSL Residential RSL Industrial RSL
B-16 @ 2.5	Arsenic	Industrial RSL
B-16 @ 4.5	Arsenic	Industrial RSL
B-17 @ 0.5	Arsenic	Industrial RSL
B-17 @ 1.5	Arsenic Lead	Industrial RSL Residential RSL
B-17 @ 9	Arsenic	Industrial RSL
B-18 @ 0.5	Arsenic	Industrial RSL
B-18 @ 2.5	Arsenic	Industrial RSL
B-18 @ 4	Arsenic	Industrial RSL
Duplicate Samples		
B-112 @ 0.5	Arsenic	Industrial RSL
B-112 @ 4	Arsenic Lead	Industrial RSL Residential RSL
B-112 @ 6	Arsenic	Industrial RSL
B-114 @ 0.5	Arsenic	Industrial RSL

B-119 @ 4	Arsenic Cadmium Lead Mercury	Industrial RSL Residential RSL Industrial RSL Industrial RSL
B-110 @ 5.5	Arsenic	Industrial RSL

Petroleum Hydrocarbons: None of the soil samples exceeded a screening level for petroleum hydrocarbons (Table C2). MDLs were below screening values for all petroleum hydrocarbons.

VOCs: None of the soil samples reported VOC concentrations above MDLs or above a screening level for VOCs (Table C2). MDLs were slightly higher than the Residential RSL for one compound (1,2-dibromo-3-chloropropane) in four of the five soil samples that were analyzed for VOCs.

4.2 Groundwater Data Summary

Four groundwater samples and one field duplicate were analyzed for TPH-GRO, TPH-DRO, TRPH, and VOCs. Groundwater samples that exceeded one or more applicable screening levels are detailed below.

Petroleum Hydrocarbons: None of the groundwater samples exceeded a screening level for petroleum hydrocarbons (Table C3). MDLs were below screening values for all petroleum hydrocarbons.

VOCs: Two VOC compounds exceeded the Residential TGC VISL in the groundwater sample from boring B-5 (Table C3). The reported concentrations exceeded the Residential TGC VISL but were below the MCL.

Sample	Analyte	Exceedance
B-5 GW	Chloroform Trichloroethene	Residential VISL Residential VISL

5.0 Data Quality Assessment

All laboratory analytical data were subject to internal reduction and validation prior to external release of the data, as detailed in the laboratory's Quality Assurance Manual. Following receipt of the laboratory analytical results by Terracon, the data were reviewed to evaluate compliance with Data Quality Indicators (DQIs) outlined in Sections D1, D2, and D3 of the QAPP.

Documentation provided with the laboratory analytical results reports included case narratives; analytical data with minimum method detection limits (MDLs) and reported detection limits (RDLs) reporting limits listed for all analyses; surrogate recoveries for

GC/MS analyses with laboratory control limits; chain-of-custody records; a quality control summary including method blanks, matrix spike/matrix spike duplicates (MS/MSD) with control limits, laboratory control samples, and duplicates (LCS/LCSD) with control limits; and application of data qualifiers where warranted.

Assessment of the DQIs for Precision, Bias and Accuracy, Representativeness, Comparability, Completeness, and Sensitivity are presented in the following subsections. The laboratory results are assumed to be in control and the data is useable as presented unless specifically described below.

5.1 Precision

Precision was evaluated on the basis of relative percent difference (RPD) as a measure of reproducibility between LCS/LCSD pairs and MS/MSD pairs (*analytical precision*) and between field samples and field duplicate samples (*field precision*).

The RPD is calculated to evaluate precision using the following equation.

$$RPD = \frac{X_1 - X_2}{\left(\frac{X_1 + X_2}{2}\right)} x100$$

Where X_1 and X_2 are the reported concentrations of the samples being evaluated.

5.1.1 Analytical Precision

A summary of the Quality Control assessment for *analytical precision* is presented below.

- Laboratory Set L1699664 (Soil and Groundwater Samples):
  - The RPDs for the MSD (Laboratory Batch WG2216271) associated with mercury and the MSD (Batch WG2216891) associated with lead were outside the laboratory's control limits. As a result, a J3 flag was used to qualify this data. The affected soil samples had detections well below applicable regulatory screening levels. Additionally, other DQIs were in control. It is not anticipated that the *analytical precision* issue will affect the conclusions of this report.

Based on the results of the RPD analyses of the MS/MSD and LCS/LCSD samples and the evaluation provided above, *analytical precision* is considered within control for Laboratory Set L1699664 (soil and groundwater) with the exceptions listed above.

5.1.2 Field Precision

Six field duplicate soil samples were analyzed for RCRA 8 metals, one field duplicate soil sample was analyzed for TPH-GRO, TPH-DRO, TRPH, and VOCs, and one field duplicate groundwater sample was analyzed for TPH-GRO, TPH-DRO, TRPH, and VOCs. A summary of the Quality Control assessment for *field precision* is presented below.

Per the QAPP, analytical results for original samples and field duplicate pairs that are less than five times the laboratory's Reported Detection Limit (RDL) in the analytical reports were considered within control if the difference between the sample concentration and its duplicate was less than two times the RDL. When analytical results for the original sample and the field duplicate pairs are greater than five times the RDL, the duplicate pair was considered within control when the RPDs for the field duplicate pairs were within the QAPP's control limits (50% for soil samples, 25% for groundwater samples).

- Laboratory Set L1699664 (Soil Samples): Six duplicate soil sample pairs were run for RCRA 8 metals. One duplicate sample pair was run for VOCs and petroleum hydrocarbons.

  - RCRA 8 Metals in Soil (Table C4.1)

    Six field duplicate soil sample pairs were run for RCRA 8 metals. All metals were in control for three of these duplicate pairs, and each metal was in control for at least four of the duplicate pairs.

    Arsenic for duplicate pair B-2 @ 0.5/B-112 @ 0.5 was not in control because the difference between the sample results was greater than 2 x RDL. Additionally, the calculated RPD for arsenic in duplicate pair B-9 @ 4/B-119 @ 4 was 56.6%, just above the control limit of 50%. Hence, this pair is not within control. Both sample pairs were above the Industrial RSL as were all samples collected during this investigation.

    Barium for duplicate pair B-4 @ 0.5/B-114 @ 0.5 had a calculated RPD of 86.0%, above the control limit of 50%. All samples collected in this investigation were orders of magnitude below the Residential RSL for barium, and barium is not considered a contaminant of concern at the site.

    Cadmium for duplicate pair B-2 @ 0.5/B-112 @ 0.5 was not in control because the difference between the sample results was greater than 2 x RDL. Multiple samples collected during this investigation exceeded the Residential RSL for cadmium and are considered to have exceeded this limit to be conservative despite one of the six duplicate pairs not being within control.

    Lead for duplicate pair B-2 @ 0.5/B-112 @ 0.5 was not in control because the calculated RPD of 159.7% was greater than the control limit of 50%. Sample B-2 @ 0.5 had a lead concentration of 201 mg/kg, slightly exceeding the screening guidance of 200 mg/kg. It is considered to have exceedance this guidance to be conservative. Duplicate pair B-9 @ 4/B-119 @ 4 had a calculated RPD of 51.4%, slightly exceeding the 50% control limit. Both concentrations (15,700 and 9,280 mg/kg) were well above the Industrial RSL of 800 mg/kg. Additionally, several other soil samples collected during this investigation exceeded a regulatory screening level.

    Mercury for duplicate pair B-2 @ 0.5/B-112 @ 0.5 was not in control because the difference between the sample results was greater than 2 x RDL. Both samples

were orders of magnitude below regulatory screening levels. Duplicate pair B-9 @ 4/B-119 @ 4 had a calculated RPD of 73.0% exceeding the 50% control limit. Both concentrations (286 and 133 mg/kg) were well above the Industrial RSL of 46 mg/kg.

Silver for duplicate pair B-9 @ 4/B-119 @ 4 was not in control because the calculated RPD was 58.9% exceeding the 50% control limit. Both of these samples were well below regulatory screening levels as were all other samples that were analyzed for silver.

- VOCs and Petroleum Hydrocarbons in Soil (Table C4.2)

  Reported concentrations for VOCs and petroleum hydrocarbons were all within control.

- Laboratory Set L1699664 (Groundwater Samples): One duplicate groundwater sample pair was run for VOCs and petroleum hydrocarbons.

  - VOCs and Petroleum Hydrocarbons in Groundwater (Table C4.3)

    Reported concentrations for VOCs and petroleum hydrocarbons in groundwater were all in control.

Based on the results of the RPD analyses of the field duplicate sample pairs and the evaluation provided above, *field precision* is considered within control for Laboratory Set L1699664.

5.2 Bias and Accuracy

Bias and *Accuracy* were evaluated through a review of the method blanks, trip blanks, percent recoveries for LCS/LCSD, and percent recoveries for MS/MSD summaries provided by the laboratory. Method blanks and trip blanks were considered within control (i.e., *accuracy*) if the constituents analyzed were less than the analytical method reporting limits. LCS/LCSD and MS/MSD analyses were considered within control if the percent recoveries were within the laboratory's established limits (i.e., *bias*). A summary of the Quality Control assessment for *Bias* and *Accuracy* is presented below.

- Laboratory Set L1699664 (Soil and Groundwater Samples):

  - Accuracy—Method and Laboratory Blank: All analytes in the method blanks were less than the laboratory RDLs, with the exception of an estimated concentration (J value) in the method blank for selenium (Batch WG2216889) and chloroform (Batch WG2215119). A B flag was applied to this data. These analytes were detected well below regulatory screening levels within the affected samples. It is not anticipated that the *accuracy* issue will affect the conclusions of this report.

- Accuracy—Trip Blank: All analytes in the trip blank were less than the laboratory RDLs.
- Surrogate Recoveries: The laboratory noted that surrogate recovery limits for 1,2-dichloroethane-d4 (Batch WG2152870) were exceeded resulting in a J1 flag. Additionally, it was noted that the surrogate recovery for o-terphenyl (Batch WG2215736) cannot be used for control limit evaluation due to dilution, resulting in a J7 value. Other surrogates were in control as were other DQIs. This is not expected to affect the usability of the data.
- The laboratory noted that the sample concentration in the MS/MSD for lead (Batch WG2216893) and the MS for TPH-DRO (Batch WG2215736) is too high to evaluate accurate spike recoveries. A V value was assigned to this data. The affected lead sample exceeded the Residential RSL as did multiple other samples collected during this investigation. TPH-DRO was non-detect in the affected samples. Additionally, other DQIs were considered acceptable. This is not expected to affect the usability of the data or alter the conclusions of this report.
- The laboratory noted that barium, chromium, and lead (Batch WG2216889), arsenic, barium, cadmium, chromium, lead, selenium, and silver (Batch WG2216893), and mercury (Batch WG2216271) failed the method required serial dilution test and/or subsequent post-spike criteria indicating matrix interference. An O1 qualifier was assigned to this data. The analytes in the affected samples were well under regulatory reporting limits with the exception of lead, arsenic, and cadmium which exceeded the Residential RSL or guidance. These analytes also exceeded regulatory screening levels in multiple other non-affected samples. To be conservative, it is assumed that these screening levels were exceeded (when applicable) in these samples despite failing the serial dilution test.
- Bias—LCS/LCSD Percent Recoveries: The LCS/LCSD for 1,1,2-trichlorotrifluoroethane (Batch WG2215119) and acrolein (Batch WG2221393) were above the established quality control range for accuracy. A J4 value was assigned to this data. These analytes were not detected in the affected samples and are not considered contaminants of concern at the site. This is not expected to affect the usability of the data.
- Bias—MS/MSD Percent Recoveries: The MS/MSD for barium and silver (Batch WG2216885, lead (Batches WG2216889 and WG2216891), and mercury (Batch WG2216271) interfered with the ability to make any accurate determination causing a low spike value. A J6 qualifier was applied to this data. The affected soil samples were all non-detect except for lead in duplicate sample B-112 @ 4 which exceeded the Residential RSL guidance of 200 ppm. The original sample also exceeded this guidance as did multiple non-affected samples collected during this investigation. As a result, this is not expected to affect the usability of the data or conclusions of this report.

As a result, these *accuracy and bias* issues are not anticipated to affect the usability of the data.

Bias and *Accuracy* are considered within control for Laboratory Set L1699664 with the minor exceptions listed above.

5.3 Representativeness

Representativeness is a qualitative parameter most concerned with proper design and execution of the sampling program to produce data that accurately and precisely represent environmental conditions. Selection of analytical methods, sampling methods, and locations representative of the media sampled were set forth in the SAP. *Representativeness* in the field was achieved by implementing the approved SAP and using appropriate sampling methods, sample containers, sample handling, and preservation methods. *Representativeness* in the laboratory was achieved by using the proper analytical procedures, meeting sample holding times, and analyzing and assessing laboratory QA/QC samples.

5.3.1 Field Representativeness

Sampling was conducted in general accordance with the SAP and associated SOPs. The following deviations from the SAP occurred during the sampling event.

- A few borings were moved slightly to accommodate drill rig access, avoid large equipment/debris, or avoid identified utilities. It is unlikely that small changes in the locations of these borings had a significant effect on data quality.
- A groundwater sample was not collected from boring B-3 as planned due to boring collapse and drilling refusal (see Footnote 1 in Section 2.2). No qualitative or quantitative indications of a petroleum or VOC release were observed in the soil samples from boring B-3, thus, this deviation is not considered to have affected field representativeness.

5.3.2 Laboratory Representativeness

- The laboratory noted that two groundwater samples collected for VOCs had headspace in the vials. One of these samples was the Trip Blank. No VOCs exceeded regulatory screening levels in any of the samples analyzed. It is unlikely that this issue will affect the conclusions of this report.
- A MS/MSD sample was not run for TPH-GRO, TRPH, or VOCs in soil or groundwater. A MS/MSD was run for TPH-DRO in soil, but the sample was not from one collected in the field during this investigation. No MS/MSD was run for TPH-DRO in groundwater. Not enough sample was collected in the field to run a MS/MSD for these analytes, and the laboratory did not have enough sample in the batch to run a MS/MSD. Results for petroleum hydrocarbons and VOCs in soil and groundwater

were all below any regulatory screening levels. Additionally, other DQIs were in control. It is unlikely that this issue will affect the conclusions of this report.

- Sample analyses followed the analytical methods listed in the SAP or equivalent EPA-approved variations of the listed methods. They were analyzed within method-specified holding times.

Representativeness is considered within control with the minor exceptions listed above.

5.4 Comparability

Comparability is a qualitative term expressing the confidence with which one data set can be compared to another. The comparability goal was achieved using standardized sampling procedures in accordance with the SAP and QAPP, use of standardized and approved laboratory analytical methods, and reporting the analytical results in appropriate and consistent units.

- Sampling was conducted in general accordance with the SAP and associated SOPs. Deviations from the SAP occurred during the sampling event and are discussed in Section 5.3.
- Sample analyses followed the analytical methods listed in the SAP, equivalent approved methods, or variations of the listed methods.
- The units of measure reported by the laboratory were consistent with the units of measure used by the regulatory screening levels.
- The number of field duplicates specified in the approved SAP was at least 10% of the field samples for soil and groundwater.

Soil Samples: Six soil duplicates were analyzed for 54 RCRA 8 Metals or 11.1% which exceeds the 10% goal. One soil duplicate was analyzed for petroleum hydrocarbons and VOCs for five soil samples or 20%, which exceeds the 10% goal.

Groundwater Samples: One groundwater duplicate was analyzed for four groundwater samples for petroleum hydrocarbons and VOCs or 25%, which exceeds the 10% goal.

Comparability is considered within control.

5.5 Completeness

Completeness is the ratio of valid measurements to the number of planned measurements, expressed as a percentage, and the completeness goal for the project is 90%. The sampling program is deemed to meet the DQIs for valid measurements. The samples collected were submitted and analyzed by the laboratory according to the chain-of-custody. Additionally,

the data collection followed the procedures and requirements as described in the approved QAPP and SAP. The data are considered usable as qualified. The analytical completeness for this sampling event was 100%.

The SAP detailed 60 soil samples (including field duplicates) for metals in soil, six soil samples for petroleum hydrocarbons and VOCs (including a field duplicate), and six groundwater samples for petroleum hydrocarbons and VOCs (including a field duplicate). All of these samples were collected, with the exception of one groundwater sample that could not be collected from boring B-3 as planned. The sample completeness score exceeds the 90% project goal.

With acknowledgement of qualified results for the analytes listed above, the analytical data are acceptable for their intended use to evaluate constituent concentrations compared to applicable regulatory screening levels.

5.6 Sensitivity

Sensitivity refers to the capability of a method or instrument to discriminate between measurement responses representing different levels of the variable of interest. The sensitivity goal is for RDLs to be below comparative screening levels, which vary considerably by analyte and in value and applicability. Overall, the level of sensitivity was sufficient to allow the identification of soil and groundwater constituents above applicable regulatory screening levels.

- Laboratory Set L1699664 (Soil and Groundwater Samples):
  - RCRA 8 Metals in Soil (Table C1): The RDLs were all less than the EPA Residential RSLs for analytes reported as less than the RDL.
  - Petroleum Hydrocarbons in Soil (Table C2): The RDLs were all less than the Utah ISLs, Utah Tier 1 screening levels, and EPA Residential RSLs (as applicable), for analytes reported as less than the RDL.
  - VOCs in Groundwater (Table C2): The RDLs were all less than the Utah ISLs, Utah Tier 1 screening levels, and EPA Residential RSLs (as applicable), for analytes reported as less than the RDL with the following exceptions: 1,2-dibromo-3-chloropropane (all samples). This analyte is not considered a contaminant of concern at the site and was not detected in any sample. This is not anticipated to affect the conclusions of this report.
  - Petroleum Hydrocarbons in Groundwater (Table C3): The RDLs were all less than the Utah ISLs, Utah Tier 1 screening levels, UGWQS, and EPA MCLs (as applicable), for analytes reported as less than the RDL.
  - VOCs in Groundwater (Table C3): The RDLs were all less than Utah ISLs, Utah Tier 1 screening levels, UGWQS, EPA MCLs, and EPA VISLs (as applicable), for analytes reported as less than the RDL. The exceptions to this were acrolein;

acrylonitrile; benzene; bromodichloromethane; carbon tetrachloride; chloroform; 1,2-dibromo-3-chloropropane; 1,2-dibromoethane; hexachloro-1,2-butadiene; naphthalene; trichloroethene, and vinyl chloride which exceeded at least one of these screening levels in at least one sample. Only trichloroethene in B-5 was detected above the RDL, and this analyte exceeded the Residential VISL. None of the other groundwater samples had detections of these analytes above RDLs, although the estimated (J value) chloroform concentration in B-5 slightly exceeded the Residential VISL. Few of these analytes are considered contaminants of concern for this site. Hence, this sensitivity issue for groundwater samples is not anticipated to affect the conclusions of this report.

The DQIs for *Comparability* were achieved. As such, *Comparability was deemed acceptable.*

6.0 Data Evaluation

Following is an overview of the contaminants identified in soil and groundwater by the current Phase II ESA.

6.1 Soil Sample Results

6.1.1 Field Observations

Fill material was observed extending to a maximum depth of approximately 8.5 feet bgs at boring B-17 in the southeastern portion of the site. The fill materials typically yielded higher XRF field readings for lead and arsenic, as compared to near-surface soils and the native soils below the fill materials.

6.1.2 Metals

Several metals including arsenic, cadmium, lead, and mercury were identified at concentrations exceeding Industrial and/or Residential RSLs in the fill materials. The maximum concentrations of these metals were identified in fill material collected from a depth of 4 feet bgs at boring B-9. The mercury exceedances were identified in fill samples from two boring locations (B-1 and B-9, both in the northeastern portion of the site) while the arsenic, cadmium, and lead exceedances were widely distributed across the site.

Analytical results from native soils underlying the fill material indicate that native soils have not been impacted by metals leaching from overlying contaminated fill materials. With limited exceptions, metals concentrations in native soils were below Residential RSLs. Native soils exceeded the Industrial RSL for lead at boring B-1, and slightly exceeded the Residential RSL for cadmium at borings B-1, B-3, B-5, and B-9. It is possible that the native soil samples from these borings were impacted by sluffing of overlying contaminated fill

material. All samples from native soils exceeded the Industrial RSL for arsenic, but the concentrations present are indicative of natural background concentrations.

Metals exceedances in soil are presented in Exhibit 4. The approximate depth of metals-contaminated fill soils throughout the site is presented in Exhibit 5. Per the data presented in Exhibit 5, the volume of metals-contaminated fill soils is estimated to be approximately 28,178 cubic yards. The metals-contaminated fill soil depths presented in Exhibit 5 and the associated volume estimate utilized data from the investigation and the previous Terracon LSI. Complete soil metals results are presented in Table C1.

6.1.3 Petroleum Hydrocarbons

No petroleum hydrocarbons were detected in soils at concentrations above regulatory screening levels. There were detections of petroleum hydrocarbons in each of the samples that were analyzed for petroleum hydrocarbons, but all were at concentrations below screening levels.

Complete soil petroleum hydrocarbon results are presented in Table C2.

6.1.4 VOCs

No VOCs were detected in soils at concentrations above laboratory reporting limits.

Complete VOC results are presented in Table C2.

6.2 Groundwater Sample Results

6.2.1 Petroleum Hydrocarbons

No petroleum hydrocarbons were detected in groundwater at concentrations above regulatory screening levels. There were detections of petroleum hydrocarbons in all the samples, but all were below screening levels.

Complete groundwater petroleum hydrocarbon results are presented in Table C3.

6.2.2 VOCs

In one of the groundwater samples (B-5 GW), chloroform and trichloroethene were detected at concentrations above the Residential VISL but below the remaining regulatory screening levels. No other regulatory screening level exceedances were identified in any of the groundwater samples.

Complete groundwater VOC results are presented in Table C3.

7.0 Conclusion

In Terracon's opinion, based on the cumulative data sets, the nature and extent of metals, petroleum hydrocarbons, and VOC contamination in soil and groundwater at the site have been defined. Findings from previous investigations and this investigation are discussed in Section 1.2, Section 4, and Section 6.

Metals-impacted fill soils are present throughout the site. This investigation identified concentrations of arsenic as high as 585 mg/kg, lead as high as 15,700 mg/kg, and mercury as high as 286 mg/kg. These maximum concentrations were identified in a single sample of subsurface fill material at boring B-9, in the northeastern portion of the site. In general, the typical levels of impact are considerably lower and confined to the subsurface fill materials, without significant impacts to the underlying native soils.

Significant impacts to soils from petroleum hydrocarbons and VOCs were not identified at either the former gasoline filling station or the former automobile service and repair shop location.

Groundwater impacts with TPH-DRO and TPH-GRO concentrations above screening levels were previously identified at the former gasoline filling station (sample location TER-11, Exhibit 2), but this investigation did not identify similar petroleum impacts above screening levels. At the former automobile service and repair shop location, two VOCs (chloroform and trichloroethene) were identified in groundwater at concentrations moderately above Residential VISLs, but well below drinking water standards. Soil gas sampling would be required to confirm if vapor intrusion is a potential issue at the site. Previous groundwater sampling for arsenic and lead (sample locations TER-10 and TER-11, Exhibit 2) did not identify elevated concentrations of these metals.

8.0 References

Maverik, Inc. (Maverik) 2020. Closure Notice and UST Closure Sample Analysis Results, Former Maverik Store #317, 1635 Bonanza Drive, Park City, Utah 84060, Facility Identification No. 7000065. June 15, 2020.

Terracon 2023a. Sampling and Analysis Plan, Bonanza Park, 1665 Bonanza Drive, Park City, Summit County, Utah, EPA Cooperative Agreement No. #95815230. November 27, 2023.

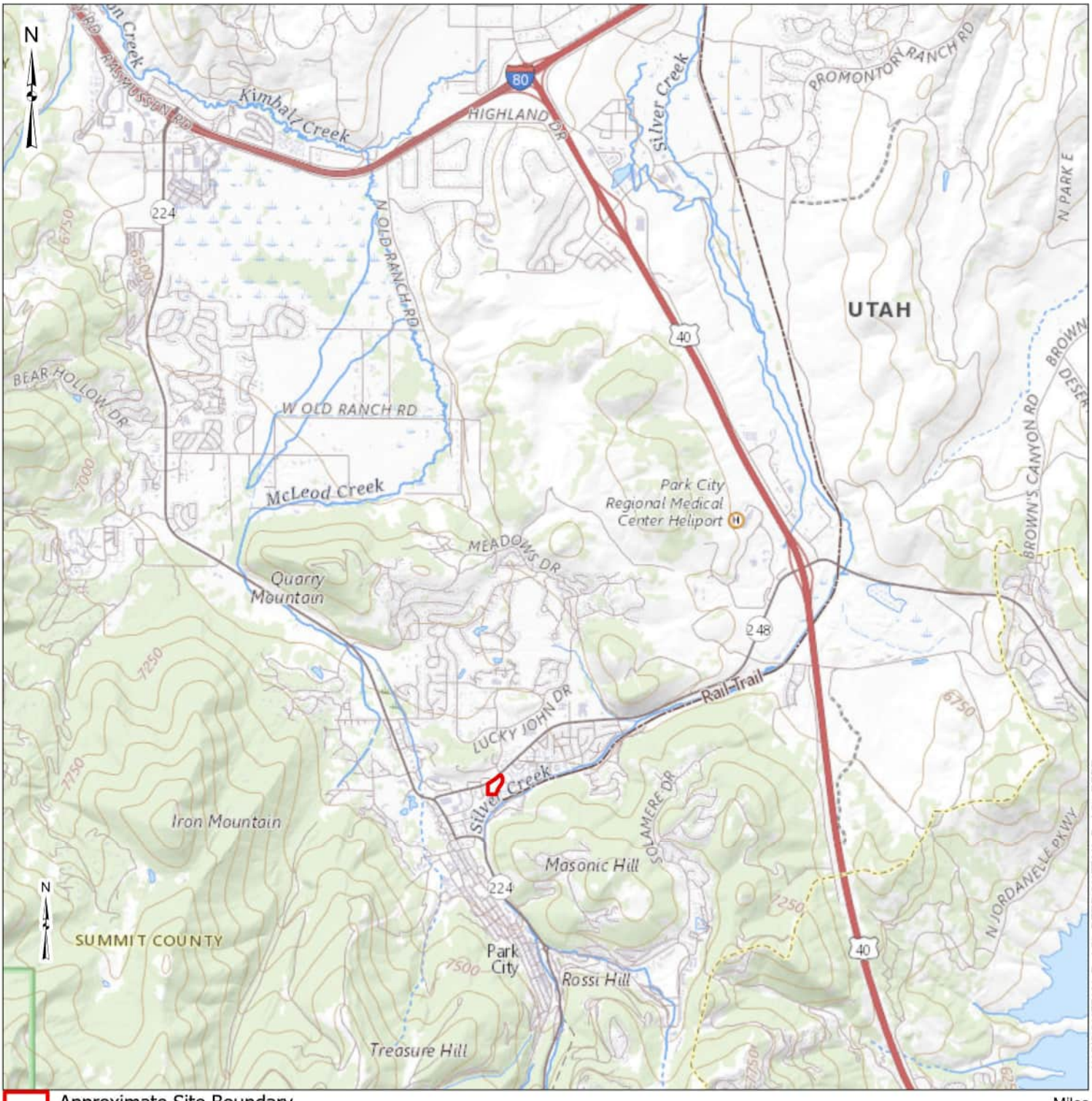
Terracon 2023b. Community-Wide Quality Assurance Project Plan, Utah Department of Environmental Quality/Division of Environmental Response and Remediation Community Wide Assessment Grant for States and Tribes, EPA Cooperative Agreement No. 95815230, Salt Lake City, Utah. July 21, 2023.

Terracon 2017a. Phase I Environmental Site Assessment, Proposed Arts & Culture Center Property, 1635, 1665, 1685, and 1705 Bonanza Drive, 1401, 1409, and 1415 Kearns

Boulevard, 1420 and 1490 Munchkin Road, Park City, Summit County, Utah. September 22, 2017.

Terracon 2017b. Limited Site Investigation, Proposed Arts & Culture Center Property, 1635, 1665, 1685, and 1705 Bonanza Drive, 1401, 1409, and 1415 Kearns Boulevard, 1420 and 1490 Munchkin Road, Park City, Summit County, Utah. September 21, 2017.

Appendix A Exhibits



Approximate Site Boundary

Miles

0 0.5 1 2

DATA SOURCES:
ESRI - Basemaps

N:\GIS\61177441_ParkCityDERR\61177441_ParkCityDERR.aprx

Project No.:	61237186
Date:	Feb 2024
Drawn By:	AST
Reviewed By:	DD

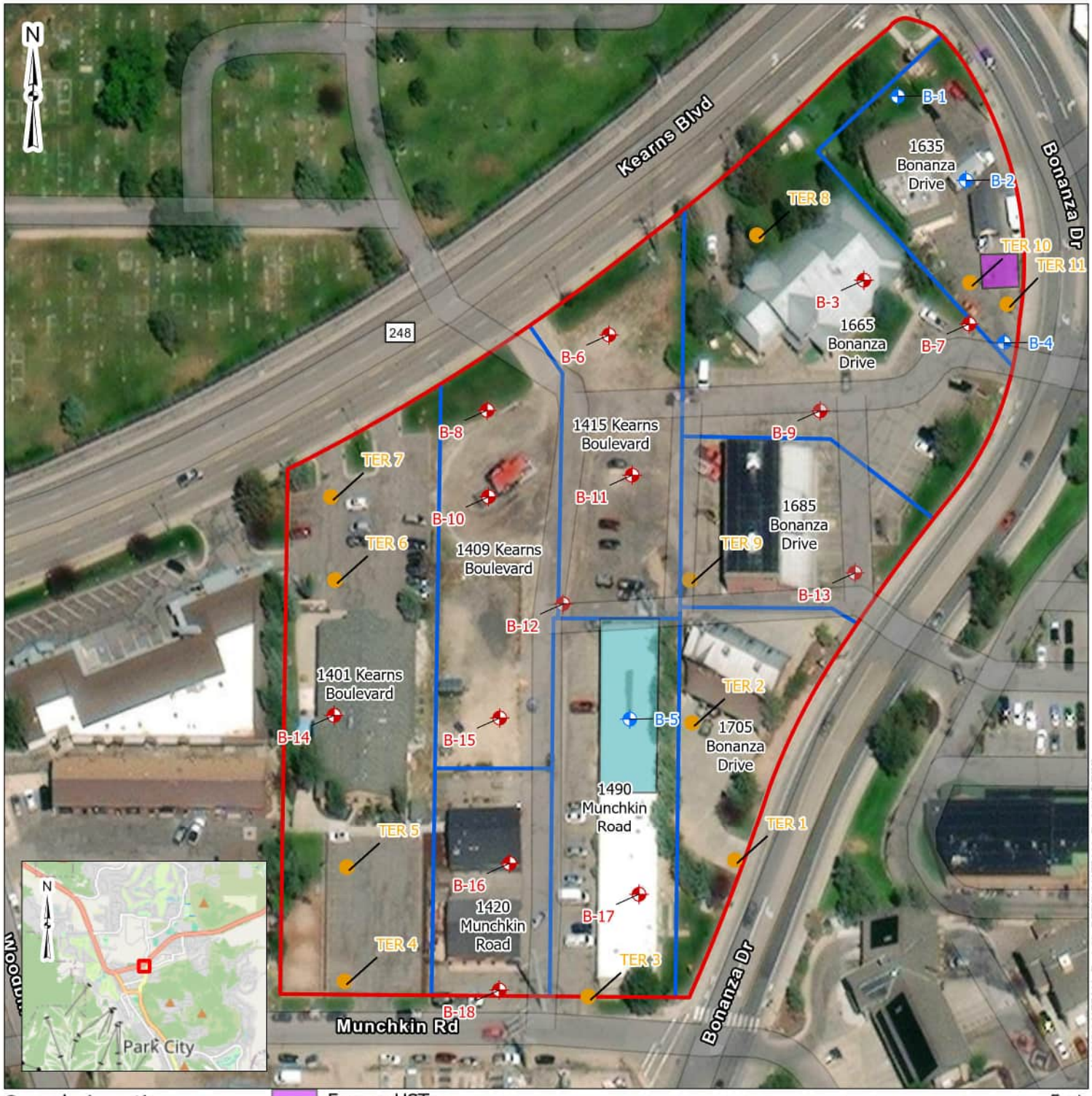
Terracon
6952 S High Tech Dr, Ste B
Midvale, UT
PH. 801-545-8500 terracon.com

Topographic Site Overview

Bonanza Park
Park City, Utah

Exhibit

1



Sample Location

- Soil and Groundwater
- Soil
- Previous

- Former USTs
- Former Auto Repair Facility
- Parcel Location
- Approximate Site Boundary

Feet

0 50 100 200

DATA SOURCES:
ESRI - Basemaps

Project No.:	61237186
Date:	Apr 2024
Drawn By:	AST
Reviewed By:	DD

terracon

6952 S High Tech Dr, Ste B
Midvale, UT

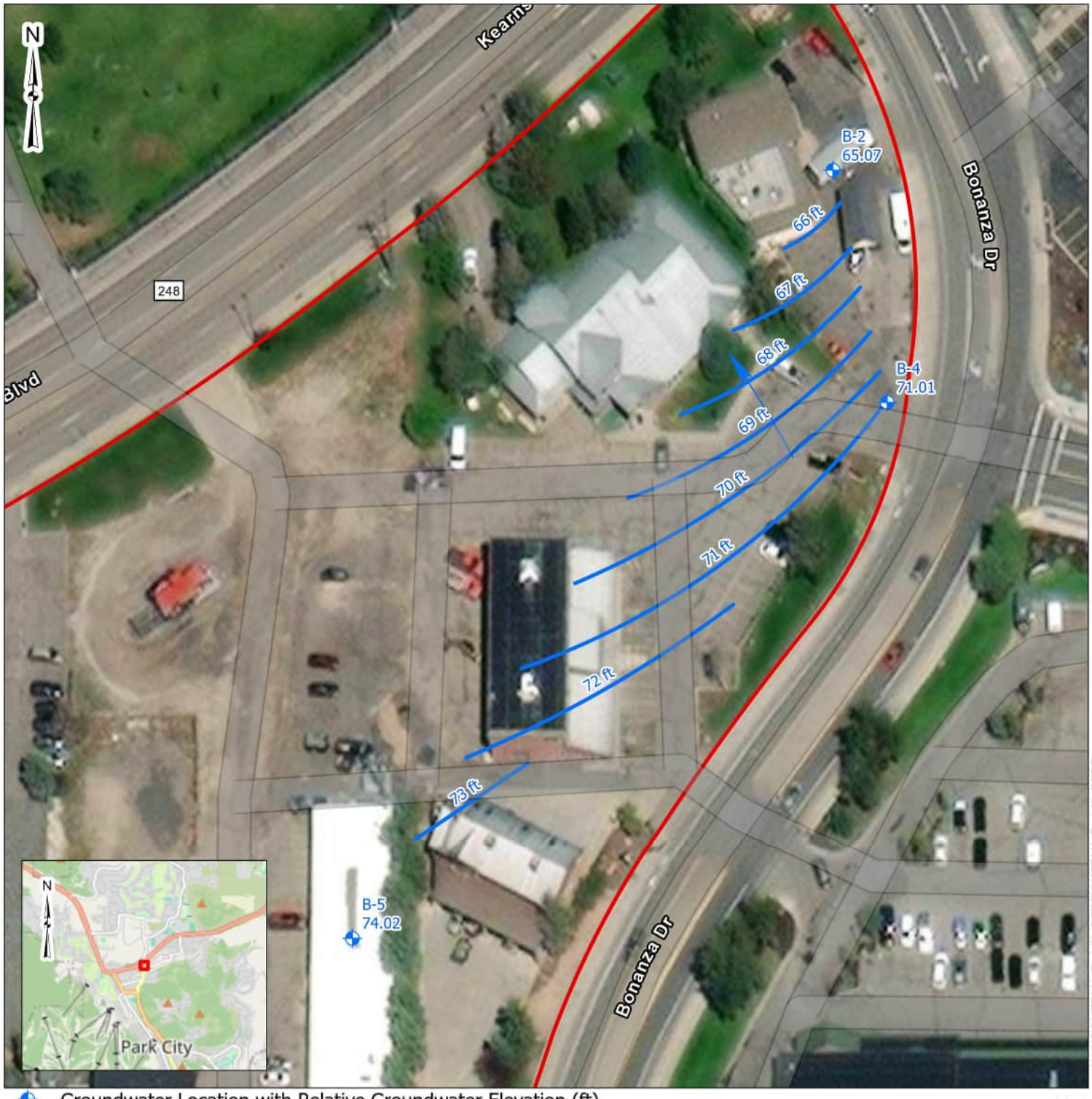
PH. 801-545-8500 terracon.com

Sampling Locations

Bonanza Park
16605 Bonanza Drive
Park City, Utah

Exhibit

2



Groundwater Location with Relative Groundwater Elevation (ft)

Groundwater Contour

Groundwater Flow Direction

Approximate Site Boundary

Feet

0 40 80 160

DATA SOURCES:
ESRI - Basemaps

N:\GIS\61177441_ParkCityDERR\61177441_ParkCityDERR.aprx

Project No.:	61237186
Date:	Feb 2024
Drawn By:	AST
Reviewed By:	DD

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Midvale, UT
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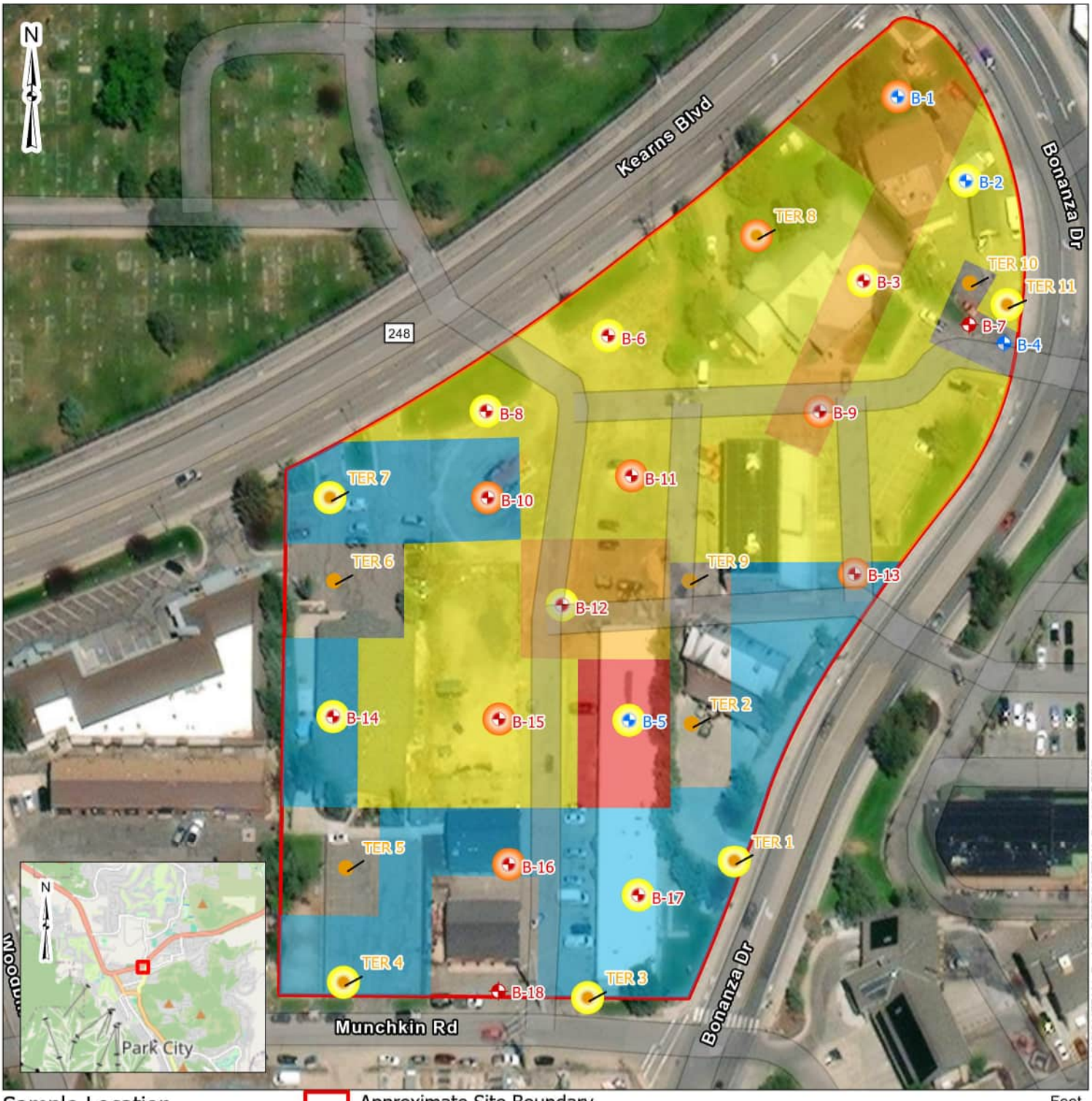
Groundwater Potentiometric Surface Map

Bonanza Park
Park City, Utah

Exhibit

3



Sample Location

- Soil and Groundwater
- Soil
- Previous Sample Location

Approximate Site Boundary

Metals Exceedances in Soil

- Exceeds Residential RSL
- Exceeds Industrial RSL

Feet

0 50 100 200

DATA SOURCES:
ESRI - Basemaps

N:\GIS\61177441_ParkCityDERR\61177441_ParkCityDERR.aprx

Project No.:	61237186
Date:	Feb 2024
Drawn By:	AST
Reviewed By:	DD

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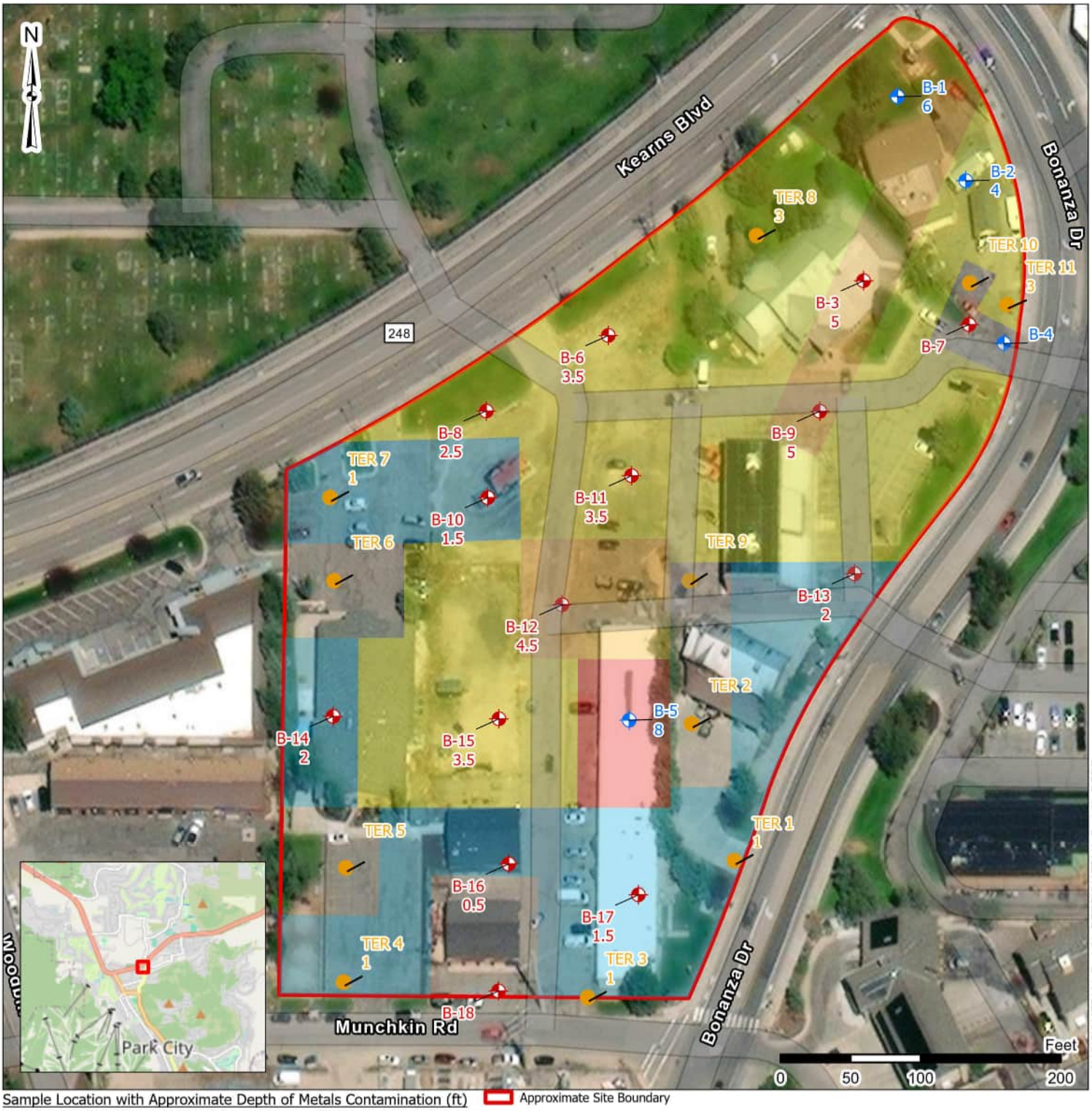
Metals Exceedance in Soil

Bonanza Park
16605 Bonanza Drive
Park City, Utah

Exhibit

4



Sample Location with Approximate Depth of Metals Contamination (ft)

- Soil and Groundwater
- Soil
- Previous

Approximate Site Boundary

Approximate Depth of Contaminated Fill/Soil

- 0-2 ft
- 2-4 ft
- 4-6 ft
- 6-8 ft

DATA SOURCES:
ESRI - Basemaps

Project No.:	61237186
Date:	Feb 2024
Drawn By:	AST
Reviewed By:	DD

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Approximate Contaminated Fill Depth

Bonanza Park
16605 Bonanza Drive
Park City, Utah

Exhibit

5

Appendix B Soil Boring Logs

BORING LOG NO. B-1

PROJECT: DERR Bonanza Park LSI

CLIENT: DERR
Salt Lake City

SITE: 1665 Bonanza Drive
Park City, Utah

LOCATION See Exhibit A-2

DEPTH	MATERIAL DESCRIPTION	RECOVERY (%)	PID (ppm)	Sample
0.1	**FILL - SILT**, grassy surface		0.4	SS
1.0	**FILL - CLAY W/ GRAVEL**		0.5	
2.0	**FILL - SAND W/ GRAVEL**	78	0.4	
3.5	**FILL - SAND**		0.5	SS
5.0	**FILL - SILT W/GRAVEL**, dark brown/black		0.4	
	SAND/SILT W/GRAVEL (ML), 3/4 to 1" gravel		0.7	SS
			0.7	
		50	0.7	
			0.8	
			0.8	
			0.8	
			0.8	
		60	0.7	
			0.7	
			0.7	
			0.5	
			1.0	
		62	0.9	
			0.9	
			0.9	
			1.1	
			1.1	
		58	1.1	
			1.1	
24.0			1.1	
25.0	**CLAY (CL)**, plastic, brown, moist to wet, stiff		0.8	
	SAND/SILT W/GRAVEL (ML), < 0.5" gravel, interbedded clay layers		1.1	
			1,1	
		60	1.1	
			1.1	
			1.1	
			1.1	
			1.1	
		60	1.1	SS
			1.1	
			1.1	GW
			1.1	
		60	0.8	
			0.8	
40.0			0.4	
	Boring Terminated at 40 Feet			

DEPTH (ft): 5, 10, 15, 20, 25, 30, 35, 40

WATER LEVEL OBSERVATIONS: ▽ at ~33 ft

SAMPLE TYPE: solid bar 0–40 ft

XRF Pb / As (ppm)

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', 11:05
SS: B-1 @ 4', 11:10
SS: B-1 @ 6', 11:15
SS: B-1 @ 33.5', 12:00
GW: B-1 GW, 11:20, 1/24/24

WATER LEVEL OBSERVATIONS

▽ *GW Encountered While Drilling*

Terracon
6949 S High Tech Dr Ste 100
Midvale, UT

Boring Started: 01-23-2024 | Boring Completed: 01-23-2024

Drill Rig: Geoprobe | Driller: DPS

Project No.: 61237186 | Exhibit: C-1

BORING LOG NO. B-2

PROJECT: DERR Bonanza Park LSI

CLIENT: DERR
Salt Lake City

SITE: 1665 Bonanza Drive
Park City, Utah

LOCATION See Exhibit A-2

DEPTH	MATERIAL DESCRIPTION	RECOVERY (%)	XRF Pb / As (ppm)	PID (ppm)	Sample
0.3	**FILL - ASPHALT**		40/8	0.0	SS
	FILL - GRAVEL & ROCK W/ CLAY & SAND, low plasticity to nonplastic, red / tan, moist, loose			0.0	
		54	42/7	0.0	
				0.0	
4.0			220/16	0.0	SS
	ROCK & GRAVEL W/ SAND & SILT (GP-GM), tan, rock & gravel - 3/4 to 1"		49/13	0.0	
				0.0	
		54	27/15	0.0	
			47/0	0.0	
			31/0	0.0	
			79/23	0.0	
		60	116/15	0.0	
			68/23	0.0	
			24/10	0.0	
			47/64	0.0	
		60	47/16	0.0	
			15/10	0.1	
			35/0	0.2	
			0/11	0.2	
		70	21/12	0.2	
			200/0	0.2	
			21/11	0.5	
			16/18	0.5	
			20/23	0.4	
			0/0	0.4	
		70		0.4	
28.0				0.5	
	ROCK & GRAVEL W/ SILT (GP-GM), more silt less sand			0.7	
30.0				0.7	
	ROCK & GRAVEL W/ CLAY, SILT & SAND (GP-GC), wet, more clay			0.8	
		70		1.0	
				0.8	
				0.8	
				0.8	SS
				0.7	
		70		0.5	GW
				0.5	
				0.5	
				0.5	
40.0				0.5	
	Boring Terminated at 40 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: B-2 @ 0.5', 08:45
SS: B-2 @ 4', 08:50
SS: B-2 @ 6', 09:00
SS: B-2 @ 33.5', 10:25
GW: B-2 GW, 12:11, 1/24/24

WATER LEVEL OBSERVATIONS

GW Encountered While Drilling

Terracon
6949 S High Tech Dr Ste 100
Midvale, UT

Boring Started: 01-23-2024 | Boring Completed: 01-23-2024

Drill Rig: Geoprobe | Driller: DPS

Project No.: 61237186 | Exhibit: C-2

BORING LOG NO. B-3

PROJECT: DERR Bonanza Park LSI

CLIENT: DERR
Salt Lake City

SITE: 1665 Bonanza Drive
Park City, Utah

LOCATION See Exhibit A-2

DEPTH	MATERIAL DESCRIPTION	RECOVERY (%)	XRF Pb / As (ppm)	PID (ppm)	Sample
	FILL - CLAY WITH GRAVEL, plastic, dark brown		N/A	0.4	SS
1.5				0.5	
	FILL - GRAVEL WITH CLAY AND SAND, tan gray	72		0.6	SS
				0.6	
5.0				0.7	
	SAND WITH GRAVEL (SP), tan, loose			0.5	SS
		0.58		0.5	
				0.5	
				0.6	
				0.6	
		70		0.4	
				0.5	
13.5				0.7	
	SILTY CLAY WITH GRAVEL (CL-ML), low plasticity, moist, very stiff, dense, interbedded			1.0	
				1.0	
		76		1.0	
				1.0	
				1.1	
				1.1	
				1.1	
		100		0.1	
				0.2	
25.0				0.2	
	SAND WITH GRAVEL (SP)			0.1	
		100		0.2	
				0.1	
30.0				0.1	
	CLAY WITH GRAVEL (CL), interbedded			0.0	
				0.0	
		100		0.0	
				0.0	
				0.0	
				0.0	
		100		0.0	SS
				0.0	
40.0				0.0	
	Boring Terminated at 40 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: B-3 @ 0.5', 13:50
SS: B-3 @ 2,5', 14:00
SS: B-3 @ 5', 14:10
SS: B-3 @ 36.5', 15:45
Borehole Collapsed following Collection of Soil Samples.
Groundwater now not accessable to Sample.

WATER LEVEL OBSERVATIONS

Thin Perched GW lenses Encountered While Drilling

Terracon
6949 S High Tech Dr Ste 100
Midvale, UT

Boring Started: 01-23-2024 | Boring Completed: 01-23-2024

Drill Rig: Geoprobe | Driller: DPS

Project No.: 61237186 | Exhibit: C-3

BORING LOG NO. B-4

PROJECT: DERR Bonanza Park LSI

CLIENT: DERR
Salt Lake City

SITE: 1665 Bonanza Drive
Park City, Utah

LOCATION See Exhibit A-2

DEPTH	MATERIAL DESCRIPTION	RECOVERY (%)	XRF Pb / As (ppm)	PID (ppm)	Sample
0.3	**FILL - ASPHALT**		N/A	0.2	SS
	FILL - SANDY GRAVEL, red, small gravel			0.3	
		54		0.5	SS
4.0				0.6	
	SANDY GRAVEL (GP), tan, gravel 0.25 - 1"			0.6	SS
				0.5	
		52		0.5	
				0.6	
				0.6	
				0.6	
		68		0.5	
				0.7	
				0.7	
				0.7	
15.0				0.7	
	SANDY GRAVEL (GP), tan			0.8	
		60		0.7	
				0.7	
20.0				0.8	
	CLAY WITH GRAVEL (CL), moist to wet, interbedded clay & gravel			0.8	
				2.0	SS
		60		1.5	
				1.5	
				1.5	
				1.0	
		66		0.5	
				0.5	
				1.0	
				1.2	
30.0				1.0	
	CLAY WITH GRAVEL (CL), wet, stiff, interbedded			0.5	
		90		0.5	
				0.5	GW
				0.5	
35.0				0.5	
	Boring Terminated at 35 Feet				

DEPTH (ft): 5, 10, 15, 20, 25, 30, 35

WATER LEVEL OBSERVATIONS: ▽ at 30 ft

SAMPLE TYPE: solid bar

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', 12:35
SS: B-4 @ 2,5', 12:45
SS: B-4 @ 4', 12:50
SS: B-4 @ 20', 13:05
GW: B-4 GW, 14:15, 1/23/24

WATER LEVEL OBSERVATIONS

▽ *GW Encountered While Drilling*

Terracon
6949 S High Tech Dr Ste 100
Midvale, UT

Boring Started: 01-23-2024 | Boring Completed: 01-23-2024

Drill Rig: Geoprobe | Driller: DPS

Project No.: 61237186 | Exhibit: C-4

BORING LOG NO. B-5

PROJECT: DERR Bonanza Park LSI

CLIENT: DERR
Salt Lake City

SITE: 1665 Bonanza Drive
Park City, Utah

LOCATION See Exhibit A-2

DEPTH	MATERIAL DESCRIPTION	RECOVERY (%)	XRF Pb / As (ppm)	PID (ppm)	Sample
0.3	**FILL - ASPHALT**		14/0	0.2	SS
	FILL - GRAVELLY SAND, nonplastic, gray, moist	40		0.0	
5.0				0.0	
	SAND WITH SILTY CLAY AND GRAVEL, nonplastic to low plasitisity, red brown, moist, silt, clay in lenses	46	52/22 116/45 58/15 53/23 63/17	0.0 0.0 0.0 0.0 0.0	SS SS
10.0					
	SAND WITH SILTY CLAY AND GRAVEL, tan gray, moist, 1/2 - 1" gravel, silt & clay in lenses	50	68/19 63/21 9/6.6 86/7 47/11	0.0 0.0 0.0 0.0 0.0	
15.0					
	SAND WITH GRAVEL, nonplastic, tan, moist, 3/4 - 1" gravel	64	42/14 21/5 36/4 40/20 23/0	0.0 0.0 0.0 0.0 0.0	
		64	21/6 31/5 14/4 13/11 75/7	0.0 0.0 0.0 0.0 0.0	
30.0		60	41/0 23/15 45/15 10/3 26/4	0.0 0.0 0.0 0.0 0.0	
	SILTY CLAY WITH GRAVEL, dark brown, moist to wet, interbedded	78	28/18 56/19 57/26 54/5 36/12	0.0 0.0 0.0 0.0 0.0	SS
36.0				0.0	
	CLAYEY SILT WITH GRAVEL, wet	60		0.0 0.0 0.0 0.0	GW
40.0				0.0	
	Boring Terminated at 40 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: B-5 @ 0.5', 09:00
SS: B-5 @ 5', 09:15
SS: B-5 @ 8', 09:30
SS: B-5 @ 31', 10:15
GW: B-5 GW, 15:25, 1/24/24

WATER LEVEL OBSERVATIONS

▽ *GW Encountered While Drilling*

Terracon
6949 S High Tech Dr Ste 100
Midvale, UT

Boring Started: 01-24-2024 | Boring Completed: 01-24-2024

Drill Rig: Geoprobe | Driller: DPS

Project No.: 61237186 | Exhibit: C-5

BORING LOG NO. B-6

PROJECT: DERR Bonanza Park LSI

CLIENT: DERR
Salt Lake City

SITE: 1665 Bonanza Drive
Park City, Utah

LOCATION See Exhibit A-2

DEPTH	MATERIAL DESCRIPTION	DEPTH (ft)	RECOVERY (%)	XRF Pb / As (ppm)	PID (ppm)	Sample
0.3	**FILL - ASPHALT**			123/9	N/A	SS
	FILL - SILTY CLAY WITH GRAVEL, few gravel			164/12		
			78	54/6		
				284/55		SS
4.5				57/9		
	SANDY GRAVEL (SP), 2" gravel	5		30/6		SS
				12/4		
			44	0/0		
				32/6		
		10		20/0		
				29/11		
				33/22		
			66	71/19		
				47/17		
		15		40/15		
				48/15		
				35/5		
			66	32/15		
				26/20		
20.0				17/9		
	Boring Terminated at 20 Feet	20				

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-6 @ 0.5', 14:10
SS: B-6 @ 3,5', 14:15
SS: B-6 @ 5', 14:20

WATER LEVEL OBSERVATIONS

GW Not Encountered

Terracon
6949 S High Tech Dr Ste 100
Midvale, UT

Boring Started: 01-24-2024 | Boring Completed: 01-24-2024

Drill Rig: Geoprobe | Driller: DPS

Project No.: 61237186 | Exhibit: C-6

BORING LOG NO. B-7

PROJECT: DERR Bonanza Park LSI

CLIENT: DERR
Salt Lake City

SITE: 1665 Bonanza Drive
Park City, Utah

LOCATION See Exhibit A-2

DEPTH	MATERIAL DESCRIPTION	RECOVERY (%)	XRF Pb / As (ppm)	PID (ppm)	Sample
1.0	**FILL - SILTY SAND W/GRASS SURFACE**, low plasticity, dark brown, moist		101/0	N/A	SS
	FILL - SILTY SAND WITH CLAY, plastic, wet	34	155/20 165/17 9/3 10/11		SS
4.0					
5.0	**FILL - SAND WITH GRAVEL**, nonplastic, gray, moist, loose				
	FILL - GRAVEL, small gravel		162/24 106/16		
7.0					SS
	SILTY SAND WITH GRAVEL (SM), moist	36	103/81 54/48 50/41		
10.0					
	PEA GRAVEL WITH SAND (GW), moist to wet	58	54/36 101/21 77/12 11/22 24/4		
13.5					
	SILTY CLAY & SAND WITH GRAVEL (CL-ML), low plasticity, moist, stiff	100	54/15 70/20 44/5		
18.0					
	SILTY SAND WITH GRAVEL (SM), low plasticity, moist, dense		36/20 20/4		
20.0					
	Boring Terminated at 20 Feet				

DEPTH (ft): 5, 10, 15, 20

WATER LEVEL OBSERVATIONS

SAMPLE TYPE

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-7 @ 0.5', 12:05
SS: B-7 @ 2', 12:10
SS: B-7 @ 7', 12:20

WATER LEVEL OBSERVATIONS

GW Not Encountered

Terracon
6949 S High Tech Dr Ste 100
Midvale, UT

Boring Started: 01-24-2024 | Boring Completed: 01-24-2024

Drill Rig: Geoprobe | Driller: DPS

Project No.: 61237186 | Exhibit: C-7

BORING LOG NO. B-8

PROJECT: DERR Bonanza Park LSI

CLIENT: DERR
Salt Lake City

SITE: 1665 Bonanza Drive
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**					38/10	N/A	SS
	FILL - SILT & CLAY WITH GRAVEL, low plasticity, dark brown to black, stiff, 1" gravel					130/8		
					70	227/21		SS
						8/14		
5.0						335/33		
	SAND AND SILT WITH GRAVEL (ML), low plasticity, loose	5				19/8		SS
						95/116		
					40	23/11		
						7.7/3.2		
		10				10/73		
						28/18		
						23/0		
					43	36/17		
						41/12		
		15				53/6		
						31/10		
						15/0		
					100	23/3		
						60/10		
20.0						25/17		
	Boring Terminated at 20 Feet	20						

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-8 @ 0.5', 09:20
SS: B-8 @ 2.5', 09:25
SS: B-8 @ 6', 09:30

WATER LEVEL OBSERVATIONS

GW Not Encountered

Terracon
6949 S High Tech Dr Ste 100
Midvale, UT

Boring Started: 01-24-2024 | Boring Completed: 01-24-2024

Drill Rig: Geoprobe | Driller: DPS

Project No.: 61237186 | Exhibit: C-8

BORING LOG NO. B-9

PROJECT: DERR Bonanza Park LSI

CLIENT: DERR
Salt Lake City

SITE: 1665 Bonanza Drive
Park City, Utah

LOCATION See Exhibit A-2

DEPTH	MATERIAL DESCRIPTION	RECOVERY (%)	XRF Pb / As (ppm)	PID (ppm)	Sample
0.3	**FILL - ASPHALT**		9/0	N/A	SS
1.0	**FILL - SAND WITH GRAVEL**, red brown		0/7		
	SILTY CLAY WITH GRAVEL (CL-ML), low plasticity, brown, moist, stiff, minor gravel	78	293/43		
			209/60		SS
5.0			1185/254		SS
	SAND WITH GRAVEL (SP), coarse sand, 1" gravel		35/5		
			100/25		
		52	18/3		
			25/10		
			61/27		
			112/19		
			43/14		
		52	64/28		
			35/20		
			19/11		
			21/25		
			46/23		
		100	18/4		
			71/17		
20.0			39/6		
	Boring Terminated at 20 Feet				

DEPTH (ft): 5, 10, 15, 20

GRAPHIC LOG

WATER LEVEL OBSERVATIONS

SAMPLE TYPE

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-9 @ 0.5', 11:45
SS: B-9 @ 4', 11:50
SS: B-9 @ 6', 11:55

WATER LEVEL OBSERVATIONS

GW Not Encountered

Terracon
6949 S High Tech Dr Ste 100
Midvale, UT

Boring Started: 01-24-2024 | Boring Completed: 01-24-2024

Drill Rig: Geoprobe | Driller: DPS

Project No.: 61237186 | Exhibit: C-9

BORING LOG NO. B-10

PROJECT: DERR Bonanza Park LSI

CLIENT: DERR
Salt Lake City

SITE: 1665 Bonanza Drive
Park City, Utah

LOCATION See Exhibit A-2

DEPTH	MATERIAL DESCRIPTION	RECOVERY (%)	XRF Pb / As (ppm)	PID (ppm)	Sample
0.3	**FILL - ASPHALT**		324/16	N/A	SS
1.5	**SILTY CLAY WITH GRAVEL (CL-ML)**, plastic, dark brown, moist, very stiff		714/48		SS
	SILTY CLAY WITH GRAVEL (CL-ML), plastic, brown, moist, very stiff	67	59/11		
			16/18		
4.0			454/71		
5.0	**SILT WITH GRAVEL (ML)**, low plasticity, moist, stiff		30/5		SS
	SAND WITH GRAVEL (SP), nonplastic, moist, loose, interbedded silt & clay with sand layers		33/17		
		70	189/27		
			47/16		
			39/9		
			46/9		
			18/9		
		60	58/12		
			130/24		
			59/8		
		62			
20.0	***Boring Terminated at 20 Feet***				

DEPTH (ft): 5, 10, 15, 20

GRAPHIC LOG

WATER LEVEL OBSERVATIONS

SAMPLE TYPE

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-10 @ 0.5', 09:00
SS: B-10 @ 1.5', 09:05
SS: B-10 @ 5.5', 09:10

WATER LEVEL OBSERVATIONS

GW Not Encountered

Terracon
6949 S High Tech Dr Ste 100
Midvale, UT

Boring Started: 01-25-2024 | Boring Completed: 01-25-2024

Drill Rig: Geoprobe | Driller: DPS

Project No.: 61237186 | Exhibit: C-10

BORING LOG NO. B-11

PROJECT: DERR Bonanza Park LSI

CLIENT: DERR
Salt Lake City

SITE: 1665 Bonanza Drive
Park City, Utah

LOCATION See Exhibit A-2

DEPTH	MATERIAL DESCRIPTION	RECOVERY (%)	XRF Pb / As (ppm)	PID (ppm)	Sample
0.5	**FILL - ASPHALT**		1949/82	N/A	SS
	FILL - SILTY CLAY WITH GRAVEL, 2" gravel @ 4 - 5'		98/12		
		66	249/28		
			615/68		SS
4.5			162/24		SS
	SAND & GRAVEL (SP), nonplastic, moist, loose, course sand		41/17		
			28/5		
7.5		52	127/10		
	SAND (SP), nonplastic, moist, dense, fine sand		90/21		
9.8			111/22		
	SAND & GRAVEL (SP), nonplastic, moist, loose		56/9		
			16/4		
		54	29/5		
			25/5		
			32/7		
16.0			63/14		
	SILTY CLAY WITH GRAVEL (CL-ML), minor gravel		37/17		
		48	63/7		
			15/30		
20.0			39/20		
	Boring Terminated at 20 Feet				

DEPTH (ft): 5, 10, 15, 20

WATER LEVEL OBSERVATIONS

SAMPLE TYPE

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-11 @ 0.5', 14:55
SS: B-11 @ 3.5', 15:00
SS: B-11 @ 5', 15:05

WATER LEVEL OBSERVATIONS

GW Not Encountered

Terracon
6949 S High Tech Dr Ste 100
Midvale, UT

Boring Started: 01-24-2024 | Boring Completed: 01-24-2024

Drill Rig: Geoprobe | Driller: DPS

Project No.: 61237186 | Exhibit: C-11

BORING LOG NO. B-12

PROJECT: DERR Bonanza Park LSI

CLIENT: DERR
Salt Lake City

SITE: 1665 Bonanza Drive
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**					42/0	N/A	SS
	CLAY WITH GRAVEL (CL), plastic, dark brown to black, moist, very stiff					213/21		
					40	314/30		
						893/12		
5.0						530/62		SS
	SAND WITH SILT AND GRAVEL (SP-SM), nonplastic, moist, loose	5				98/13		SS
						18/17		
					40	23/19		
						51/22		
10.0						43/13		
	SAND WITH SILT AND GRAVEL (SP-SM), nonplastic, moist, loose, interbedded silty clay layers	10				47/16		
						81/18		
					42	55/16		
						62/15		
						50/15		
		15				48/12		
						23/0		
					100	15/10		
						33/5		
20.0						21/8		
	Boring Terminated at 20 Feet	20						

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-12 @ 0.5', 09:55
SS: B-12 @ 4.5', 10:00
SS: B-12 @ 6', 10:05

WATER LEVEL OBSERVATIONS

GW Not Encountered

Terracon
6949 S High Tech Dr Ste 100
Midvale, UT

Boring Started: 01-25-2024 | Boring Completed: 01-25-2024

Drill Rig: Geoprobe | Driller: DPS

Project No.: 61237186 | Exhibit: C-12

BORING LOG NO. B-13

PROJECT: DERR Bonanza Park LSI

CLIENT: DERR
Salt Lake City

SITE: 1665 Bonanza Drive
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**					0/5.8	N/A	SS
1.4	**FILL - SILTY SAND WITH GRAVEL**, low plasticity, red brown, moist					571/63		SS
3.0	**FILL - CLAY WITH GRAVEL**, plastic, dark brown, moist				66	709/60		
4.0	**POORLY GRADED SAND WITH GRAVEL (SP)**, nonplastic, moist, loose, coarse sand					14/0		
5.0	**GRAVEL WITH SAND (GP)**, gravel & rock, minor sand					83/11		SS
	GRAVEL WITH SAND (GP), moist, loose	5				59/0		
						49/17		
					48	25/0		
						20/0		
						16/0		
		10				35/19		
						33/0		
					66	38/7		
						56/0		
						0/11		
		15				38/7		
						11/0		
					100	46/5.5		
						10/0		
20.0						15/15		
	Boring Terminated at 20 Feet	20						

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-13 @ 0.5', 13:30
SS: B-13 @ 2', 13:35
SS: B-13 @ 5', 13:40

WATER LEVEL OBSERVATIONS

GW Not Encountered

Terracon
6949 S High Tech Dr Ste 100
Midvale, UT

Boring Started: 01-24-2024 | Boring Completed: 01-24-2024

Drill Rig: Geoprobe | Driller: DPS

Project No.: 61237186 | Exhibit: C-13

BORING LOG NO. B-14

PROJECT: DERR Bonanza Park LSI

CLIENT: DERR
Salt Lake City

SITE: 1665 Bonanza Drive
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
1.0	**POORLY GRADED GRAVEL WITH CLAY (GP-GC)**, minor clay					86/4	N/A	SS
	SILT AND SAND (SM), low plasticity, moist, stiff, minor gravel					214/20		SS
					45	327/30		
						61/24		
5.0						56/6		
	SAND WITH SILT AND GRAVEL (SM)	5				41/13		SS
						16/29		
					60	74/16		
						23/18		
		10				51/0		
						52/12		
						41/11		
					47	136/6		
						70/18		
		15				44/5		
						39/6		
						20/29		
					63	10/12		
						38/14		
20.0						13/10		
	Boring Terminated at 20 Feet	20						

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-14 @ 0.5', 10:25
SS: B-14 @ 2', 10:30
SS: B-14 @ 6', 10:35

WATER LEVEL OBSERVATIONS

GW Not Encountered

Terracon
6949 S High Tech Dr Ste 100
Midvale, UT

Boring Started: 01-25-2024 | Boring Completed: 01-25-2024

Drill Rig: Geoprobe | Driller: DPS

Project No.: 61237186 | Exhibit: C-14

BORING LOG NO. B-15

PROJECT: DERR Bonanza Park LSI

CLIENT: DERR
Salt Lake City

SITE: 1665 Bonanza Drive
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
0.0	**SILT AND SAND WITH GRAVEL (ML)**, nonplastic, dark brown to black, moist, stiff, minor gravel					28/16	N/A	SS
						11/3		
					65	1364/94		
						1645/82		SS
4.7						73/16		
	SAND WITH GRAVEL (SP), nonplastic, moist, loose	5				52/7		
						88/7		SS
					52	82/16		
						82/17		
10.0						102/21		
	SAND & GRAVEL W/ SILTY CLAY (GC-GM), moist, silty clays are interbedded	10				39/7		
						22/9		
					58	76/14		
						34/12		
		15				72/21		
						48/5		
						68/8		
					70	0/0		
						21/4		
20.0						8/49		
	Boring Terminated at 20 Feet	20						

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-15 @ 0.5', 10:50
SS: B-15 @ 2', 10:55
SS: B-15 @ 6', 11:00

WATER LEVEL OBSERVATIONS

GW Not Encountered

Terracon
6949 S High Tech Dr Ste 100
Midvale, UT

Boring Started: 01-25-2024 | Boring Completed: 01-25-2024

Drill Rig: Geoprobe | Driller: DPS

Project No.: 61237186 | Exhibit: C-15

BORING LOG NO. B-16

PROJECT: DERR Bonanza Park LSI

CLIENT: DERR
Salt Lake City

SITE: 1665 Bonanza Drive
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**					7/7	N/A	SS
0.9	**FILL - ROADBASE**					535/20		
	SILT WITH GRAVEL (ML), low plasticity, dark brown, moist, stiff				50	1167/25		SS
3.5	**SANDY SILT WITH GRAVEL (ML)**, nonplastic, moist, soft, loose					180/14		
		5				73/25		SS
						48/17		
						79/16		
					53	14/3		
						46/16		
		10				45/7		
						83/11		
						43/15		
					50	15/10		
						43/5		
		15				24/17		
						17/4		
						33/4		
					50	10/12		
						24/9		
20.0						53/7		
	Boring Terminated at 20 Feet	20						

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-16 @ 0.5', 11:20
SS: B-16 @ 2.5', 11:25
SS: B-16 @ 4.5', 11:30

WATER LEVEL OBSERVATIONS

GW Not Encountered

Terracon
6949 S High Tech Dr Ste 100
Midvale, UT

Boring Started: 01-25-2024 | Boring Completed: 01-25-2024

Drill Rig: Geoprobe | Driller: DPS

Project No.: 61237186 | Exhibit: C-16

BORING LOG NO. B-17

PROJECT: DERR Bonanza Park LSI

CLIENT: DERR
Salt Lake City

SITE: 1665 Bonanza Drive
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**					0/6	N/A	SS
0.6	**FILL - ROADBASE**					808/65		SS
2.0	**FILL - CLAY & SILT W/ SAND & GRAVEL**, dark brown					575/67		
	FILL - SAND & GRAVEL, nonplastic, moist, loose					154/35		
						55/17		
		5				72/21		
						70/6		
						31/18		
8.5						48/25		
	SAND & GRAVEL W/ SILTY CLAY (GC-GM), silty clays are interbedded					33/20		SS
		10				40/6		
						6.7/0		
						42/15		
						56/25		
						28/14		
		15				82/5		
						61/10		
						52/25		
						51/11		
20.0						26/7		
	Boring Terminated at 20 Feet	20						

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-17 @ 0.5', 11:40
SS: B-17 @ 1.5', 11:45
SS: B-17 @ 9', 11:50

WATER LEVEL OBSERVATIONS

GW Not Encountered

Terracon
6949 S High Tech Dr Ste 100
Midvale, UT

Boring Started: 01-25-2024 | Boring Completed: 01-25-2024

Drill Rig: Geoprobe | Driller: DPS

Project No.: 61237186 | Exhibit: C-17

BORING LOG NO. B-18

PROJECT: DERR Bonanza Park LSI

CLIENT: DERR
Salt Lake City

SITE: 1665 Bonanza Drive
Park City, Utah

LOCATION See Exhibit A-2

DEPTH	MATERIAL DESCRIPTION
0.3	**FILL - ASPHALT**
1.0	**FILL - ROADBASE**
2.5	**SILTY CLAY WITH GRAVEL (CL-ML)**, plastic, dark brown, moist
	SAND WITH GRAVEL (SP), moist, loose, with interbedded silt lenses
20.0	***Boring Terminated at 20 Feet***

DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	XRF Pb / As (ppm)	PID (ppm)	Sample
				16/2	N/A	SS
				16/17		
			60	49/13		SS
				50/15		SS
				49/14		
5				22/5		
			53	102/24		
				23/3		
				24/4		
				66/15		
10				29/6		
				85/20		
			72	59/23		
				88/7		
				52/6		
15				22/14		
				38/23		
			70	7/9.5		
				17/13		
				49/12		
20						

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-18 @ 0.5', 12:30
SS: B-18 @ 2.5', 12:35
SS: B-18 @ 4', 12:40

WATER LEVEL OBSERVATIONS

GW Not Encountered

Terracon
6949 S High Tech Dr Ste 100
Midvale, UT

Boring Started: 01-25-2024 | Boring Completed: 01-25-2024

Drill Rig: Geoprobe | Driller: DPS

Project No.: 61237186 | Exhibit: C-18

Appendix C Data Summary Tables

Table C1 - Metals in Soil
Bonanza Park Phase II ESA - 1665 Bonanza Drive, Park City, Utah
Terracon Project No. 61237186 Task 4.11

Lab Sample ID						L1699664-07				L1699664-08				L1699664-09				L1699664-11				L1699664-12				L1699664-13			
Client Sample ID						B-1 @ 0.5				B-1 @ 4				B-1 @ 6				B-2 @ 0.5				B-2 @ 4				B-2 @ 6			
Date Collected						01/23/2024				01/23/2024				01/23/2024				01/23/2024				01/23/2024				01/23/2024			
Analyte	**CAS**	**Method**	**Units**	**RSL Residential**	**RSL Industrial**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**
ARSENIC	7440-38-2	6010B	mg/kg	**0.7**	**3**	**36.4**		0.67	2.59	**79.5**		0.599	2.31	**41.2**		0.58	2.24	**11.9**		0.567	2.19	**21.8**		0.565	2.18	**16.6**		0.553	2.13
BARIUM	7440-39-3	6010B	mg/kg	**15,000**	**220,000**	**120**		0.11	0.646	**139**		0.0985	0.578	**75.2**		0.0954	0.56	**117**		0.0933	0.548	**73**		0.093	0.546	**64.5**		0.0909	0.534
CADMIUM	7440-43-9	6010B	mg/kg	**7.1**	**100**	**8.44**		0.0609	0.646	**33.4**		0.0545	0.578	**19.2**		0.0527	0.56	**1.48**		0.0516	0.548	**1.48**		0.0514	0.546	**0.788**		0.0503	0.534
CHROMIUM	7440-47-3	6010B	mg/kg	**NE**	**NE**	**18.3**		0.172	1.29	**18.9**		0.154	1.16	**23.3**		0.149	1.12	**12.9**		0.146	1.1	**29**		0.145	1.09	**26.3**		0.142	1.07
LEAD	7439-92-1	6010B	mg/kg	**200**	**800**	**927**		0.269	0.646	**2450**		0.241	0.578	**1080**		0.233	0.56	**201**		0.228	0.548	**225**		0.227	0.546	**57.4**		0.222	0.534
MERCURY	7439-97-6	7471A	mg/kg	**11**	**46**	**6.83**		0.116	0.259	**45.2**		1.04	2.31	**4.99**		0.101	0.224	**0.11**		0.0197	0.0438	**0.023**	J	0.0196	0.0437	<0.0427		0.0192	0.0427
SELENIUM	7782-49-2	6010B	mg/kg	**390**	**5,800**	**1.79**	J	0.988	2.59	**2.69**		0.884	2.31	**2.13**	J	0.856	2.24	**2.76**		0.837	2.19	**3.12**		0.834	2.18	**1.14**	J	0.815	2.13
SILVER	7440-22-4	6010B	mg/kg	**390**	**5,800**	**5.78**		0.164	1.29	**12.5**		0.147	1.16	**5.57**		0.142	1.12	**1.49**		0.139	1.1	<1.09		0.139	1.09	<1.07		0.136	1.07

Qualifiers (Q):

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

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

J3: The associated batch QC was outside the established quality control range for precisi

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

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

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

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 C1 - Metals in Soil
Bonanza Park Phase II ESA - 1665 Bonanza Drive, Park City, Utah
Terracon Project No. 61237186 Task 4.11

Lab Sample ID						L1699664-15				L1699664-16				L1699664-17				L1699664-19				L1699664-20			
Client Sample ID						B-3 @ 0.5				B-3 @ 2.5				B-3 @ 5				B-4 @ 0.5				B-4 @ 2.5			
Date Collected						01/23/2024				01/23/2024				01/23/2024				01/23/2024				01/23/2024			
Analyte	**CAS**	**Method**	**Units**	**RSL Residential**	**RSL Industrial**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**
ARSENIC	7440-38-2	6010B	mg/kg	**0.7**	**3**	**6.66**		0.662	2.56	**13**		0.596	2.3	**20.9**		0.538	2.08	**5.72**		0.549	2.12	**18.4**		0.562	2.17
BARIUM	7440-39-3	6010B	mg/kg	**15,000**	**220,000**	**197**		0.109	0.639	**117**		0.0981	0.576	**68.6**		0.0885	0.519	**41.9**		0.0903	0.53	**43.7**		0.0924	0.542
CADMIUM	7440-43-9	6010B	mg/kg	**7.1**	**100**	**0.497**	J	0.0602	0.639	**1.48**		0.0542	0.576	**10.4**		0.0489	0.519	**0.103**	J	0.0499	0.53	**0.662**		0.0511	0.542
CHROMIUM	7440-47-3	6010B	mg/kg	**NE**	**NE**	**27.1**		0.17	1.28	**23.1**		0.153	1.15	**28.3**		0.138	1.04	**5.4**		0.141	1.06	**21.2**		0.144	1.08
LEAD	7439-92-1	6010B	mg/kg	**200**	**800**	**33.3**		0.266	0.639	**206**		0.239	0.576	**124**		0.216	0.519	**5.13**		0.22	0.53	**143**		0.226	0.542
MERCURY	7439-97-6	7471A	mg/kg	**11**	**46**	**0.0262**	J	0.023	0.0511	**0.521**		0.0207	0.046	**0.299**		0.0187	0.0415	<0.0424		0.0191	0.0424	**0.029**	J	0.0195	0.0434
SELENIUM	7782-49-2	6010B	mg/kg	**390**	**5,800**	**1.23**	J	0.976	2.56	**1.07**	J	0.88	2.3	**1.35**	J	0.793	2.08	<2.12		0.809	2.12	**1.44**	J	0.829	2.17
SILVER	7440-22-4	6010B	mg/kg	**390**	**5,800**	<1.28		0.162	1.28	**1.14**	J	0.146	1.15	**0.207**	J	0.132	1.04	**2.49**		0.135	1.06	**0.291**	J	0.138	1.08

Qualifiers (Q):

J: The identification of the analyte is acceptable; the reported value is an estimate.
B: The same analyte is found in the associated blank.
J3: The associated batch QC was outside the established quality control range for precisi
J6: The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1: The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
V: The sample concentration is too high to evaluate accurate spike recoveries.

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 C1 - Metals in Soil
Bonanza Park Phase II ESA - 1665 Bonanza Drive, Park City, Utah
Terracon Project No. 61237186 Task 4.11

Lab Sample ID						L1699664-21				L1699664-23				L1699664-24				L1699664-25				L1699664-27			
Client Sample ID						B-4 @ 4				B-5 @ 0.5				B-5 @ 5				B-5 @ 8				B-6 @ 0.5			
Date Collected						01/23/2024				01/24/2024				01/24/2024				01/24/2024				01/24/2024			
Analyte	**CAS**	**Method**	**Units**	**RSL Residential**	**RSL Industrial**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**
ARSENIC	7440-38-2	6010B	mg/kg	**0.7**	**3**	**16.4**		0.551	2.13	**4.8**		0.522	2.01	**17.8**		0.556	2.15	**20.6**		0.616	2.38	**5.02**		0.568	2.19
BARIUM	7440-39-3	6010B	mg/kg	**15,000**	**220,000**	**56**		0.0906	0.531	**15.1**		0.0858	0.504	**79.6**		0.0914	0.537	**146**		0.101	0.595	**97.7**		0.0934	0.548
CADMIUM	7440-43-9	6010B	mg/kg	**7.1**	**100**	**0.726**		0.0501	0.531	**0.316**	J	0.0474	0.504	**1.08**		0.0506	0.537	**8.63**		0.056	0.595	**0.402**	J	0.0516	0.548
CHROMIUM	7440-47-3	6010B	mg/kg	**NE**	**NE**	**25.1**		0.141	1.06	**5.22**		0.134	1.01	**32.1**		0.143	1.07	**22.9**		0.158	1.19	**15.6**		0.146	1.1
LEAD	7439-92-1	6010B	mg/kg	**200**	**800**	**65**		0.221	0.531	**11.6**		0.21	0.504	**85.3**		0.223	0.537	**62.4**		0.247	0.595	**34**		0.228	0.548
MERCURY	7439-97-6	7471A	mg/kg	**11**	**46**	**0.0201**	J	0.0191	0.0425	**0.0251**	J	0.0181	0.0403	**0.023**	J	0.0193	0.0429	**0.031**	J	0.0214	0.0476	**0.0326**	J	0.0197	0.0438
SELENIUM	7782-49-2	6010B	mg/kg	**390**	**5,800**	**1.95**	J	0.812	2.13	**0.94**	J	0.77	2.01	**1.52**	J	0.82	2.15	**3.7**		0.909	2.38	<2.19		0.837	2.19
SILVER	7440-22-4	6010B	mg/kg	**390**	**5,800**	<1.06		0.135	1.06	**3.02**		0.128	1.01	**0.177**	J	0.136	1.07	**0.433**	J	0.151	1.19	1.12		0.139	1.1

Qualifiers (Q):

J: The identification of the analyte is acceptable; the reported value is an estimate.
B: The same analyte is found in the associated blank.
J3: The associated batch QC was outside the established quality control range for precisi
J6: The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1: The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
V: The sample concentration is too high to evaluate accurate spike recoveries.

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 C1 - Metals in Soil
Bonanza Park Phase II ESA - 1665 Bonanza Drive, Park City, Utah
Terracon Project No. 61237186 Task 4.11

Lab Sample ID						L1699664-28				L1699664-29				L1699664-30				L1699664-31				L1699664-32			
Client Sample ID						B-6 @ 3.5				B-6 @ 5				B-7 @ 0.5				B-7 @ 2				B-7 @ 7			
Date Collected						01/24/2024				01/24/2024				01/24/2024				01/24/2024				01/24/2024			
Analyte	**CAS**	**Method**	**Units**	**RSL Residential**	**RSL Industrial**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**
ARSENIC	7440-38-2	6010B	mg/kg	**0.7**	**3**	**34.9**	O1	0.656	2.53	**12.7**		0.552	2.13	**8.42**		0.597	2.31	**13.5**		0.613	2.37	**41.6**		0.583	2.25
BARIUM	7440-39-3	6010B	mg/kg	**15,000**	**220,000**	**216**	O1	0.108	0.634	**38.8**		0.0908	0.533	**89.9**		0.0982	0.576	**80.2**		0.101	0.592	**54**		0.096	0.563
CADMIUM	7440-43-9	6010B	mg/kg	**7.1**	**100**	**8.78**	O1	0.0597	0.634	**0.569**		0.0502	0.533	**1.05**		0.0543	0.576	**1.68**		0.0558	0.592	**0.956**		0.053	0.563
CHROMIUM	7440-47-3	6010B	mg/kg	**NE**	**NE**	**29.9**	O1	0.169	1.27	**36**		0.142	1.07	**22.3**		0.153	1.15	**17.4**		0.157	1.18	**28.4**		0.15	1.13
LEAD	7439-92-1	6010B	mg/kg	**200**	**800**	**705**	O1 V	0.264	0.634	**48.6**		0.222	0.533	**71.6**		0.24	0.576	**142**		0.246	0.592	**98**		0.234	0.563
MERCURY	7439-97-6	7471A	mg/kg	**11**	**46**	**1.48**	J3 J6 O1	0.0228	0.0507	**0.024**	J	0.0192	0.0427	**0.113**		0.0208	0.0461	**0.589**		0.0213	0.0474	**0.0504**		0.0203	0.0451
SELENIUM	7782-49-2	6010B	mg/kg	**390**	**5,800**	**2.69**	O1	0.968	2.53	**3.67**		0.815	2.13	**2.41**		0.881	2.31	**1.86**	J	0.905	2.37	**2.34**		0.86	2.25
SILVER	7440-22-4	6010B	mg/kg	**390**	**5,800**	**6.27**	O1	0.161	1.27	**0.257**	J	0.135	1.07	**0.419**	J	0.146	1.15	**1.23**		0.15	1.18	**0.361**	J	0.143	1.13

Qualifiers (Q):

J: The identification of the analyte is acceptable; the reported value is an estimate.
B: The same analyte is found in the associated blank.
J3: The associated batch QC was outside the established quality control range for precisi
J6: The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1: The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
V: The sample concentration is too high to evaluate accurate spike recoveries.

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 C1 - Metals in Soil
Bonanza Park Phase II ESA - 1665 Bonanza Drive, Park City, Utah
Terracon Project No. 61237186 Task 4.11

Lab Sample ID						L1699664-33				L1699664-34				L1699664-35				L1699664-36				L1699664-37			
Client Sample ID						B-8 @ 0.5				B-8 @ 2.5				B-8 @ 6.0				B-9 @ 0.5				B-9 @ 4			
Date Collected						01/25/2024				01/25/2024				01/25/2024				01/24/2024				01/24/2024			
Analyte	**CAS**	**Method**	**Units**	**RSL Residential**	**RSL Industrial**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**
ARSENIC	7440-38-2	6010B	mg/kg	**0.7**	**3**	**5.44**		0.577	2.23	**20.5**		0.595	2.3	**12.1**		0.552	2.13	**23**		0.547	2.11	**528**		0.647	2.5
BARIUM	7440-39-3	6010B	mg/kg	**15,000**	**220,000**	**80.7**		0.0949	0.557	**226**		0.0979	0.575	**67.4**		0.0907	0.532	**29.8**		0.09	0.528	**207**		0.106	0.624
CADMIUM	7440-43-9	6010B	mg/kg	**7.1**	**100**	**0.278**	J	0.0525	0.557	**5.65**		0.0541	0.575	**0.529**	J	0.0502	0.532	**0.258**	J	0.05	0.528	**36.3**		0.0588	0.624
CHROMIUM	7440-47-3	6010B	mg/kg	**NE**	**NE**	**9.34**		0.148	1.11	**29.8**		0.153	1.15	**23.7**		0.142	1.06	**5.45**		0.14	1.06	**26.2**		0.166	1.25
LEAD	7439-92-1	6010B	mg/kg	**200**	**800**	**33.2**		0.232	0.557	**315**		0.239	0.575	**55.1**		0.221	0.532	**5.7**		0.22	0.528	**15700**		1.3	3.12
MERCURY	7439-97-6	7471A	mg/kg	**11**	**46**	**0.0264**	J	0.0201	0.0446	**0.404**		0.0207	0.046	<0.0426		0.0192	0.0426	<0.0422		0.019	0.0422	**286**		4.5	9.99
SELENIUM	7782-49-2	6010B	mg/kg	**390**	**5,800**	<2.23		0.851	2.23	**1.43**	J	0.878	2.3	**1.02**	J	0.814	2.13	<2.11		0.807	2.11	**7.06**		0.954	2.5
SILVER	7440-22-4	6010B	mg/kg	**390**	**5,800**	**<1.11**		0.142	1.11	**3.06**		0.146	1.15	**0.185**	J	0.135	1.06	<1.06		0.134	1.06	**72.5**		0.159	1.25

Qualifiers (Q):
J: The identification of the analyte is acceptable; the reported value is an estimate.
B: The same analyte is found in the associated blank.
J3: The associated batch QC was outside the established quality control range for precisi
J6: The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1: The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
V: The sample concentration is too high to evaluate accurate spike recoveries.

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 C1 - Metals in Soil
Bonanza Park Phase II ESA - 1665 Bonanza Drive, Park City, Utah
Terracon Project No. 61237186 Task 4.11

Lab Sample ID						L1699664-38				L1699664-39				L1699664-40				L1699664-41				L1699664-42			
Client Sample ID						B-9 @ 5				B-10 @ 0.5				B-10 @ 1.5				B-10 @ 5.5				B-11 @ 0.5			
Date Collected						01/24/2024				01/25/2024				01/25/2024				01/25/2024				01/24/2024			
Analyte	**CAS**	**Method**	**Units**	**RSL Residential**	**RSL Industrial**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**
ARSENIC	7440-38-2	6010B	mg/kg	**0.7**	**3**	**23.8**		0.552	2.13	**54.4**		0.592	2.28	**45.1**		0.598	2.31	**16.4**		0.609	2.35	**102**		0.588	2.27
BARIUM	7440-39-3	6010B	mg/kg	**15,000**	**220,000**	**67.5**		0.0909	0.533	**179**		0.0973	0.571	**193**		0.0983	0.577	**106**		0.1	0.588	**119**		0.0967	0.568
CADMIUM	7440-43-9	6010B	mg/kg	**7.1**	**100**	**7.52**		0.0502	0.533	**7.69**		0.0538	0.571	**9.44**		0.0543	0.577	**0.32**	J	0.0554	0.588	**15.2**		0.0535	0.568
CHROMIUM	7440-47-3	6010B	mg/kg	**NE**	**NE**	**25.1**		0.142	1.07	**28.2**		0.152	1.14	**127**		0.153	1.15	**28.1**		0.156	1.18	**48.6**		0.151	1.14
LEAD	7439-92-1	6010B	mg/kg	**200**	**800**	**112**		0.222	0.533	**732**		0.238	0.571	**870**		0.24	0.577	**82.5**		0.244	0.588	**1860**		0.236	0.568
MERCURY	7439-97-6	7471A	mg/kg	**11**	**46**	**0.64**		0.0192	0.0427	**0.817**		0.0206	0.0457	**0.874**		0.0208	0.0461	<0.0470		0.0212	0.047	**2.96**		0.0409	0.0908
SELENIUM	7782-49-2	6010B	mg/kg	**390**	**5,800**	**1.09**	J	0.815	2.13	**1.88**	J	0.873	2.28	**2.32**		0.881	2.31	**1.38**	J	0.898	2.35	**3.64**		0.868	2.27
SILVER	7440-22-4	6010B	mg/kg	**390**	**5,800**	**0.617**	J	0.135	1.07	**7.89**		0.145	1.14	**6.39**		0.146	1.15	**0.475**	J	0.149	1.18	**11.8**		0.144	1.14

Qualifiers (Q):

J: The identification of the analyte is acceptable; the reported value is an estimate.
B: The same analyte is found in the associated blank.
J3: The associated batch QC was outside the established quality control range for precisi
J6: The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1: The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
V: The sample concentration is too high to evaluate accurate spike recoveries.

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 C1 - Metals in Soil
Bonanza Park Phase II ESA - 1665 Bonanza Drive, Park City, Utah
Terracon Project No. 61237186 Task 4.11

Lab Sample ID						L1699664-43				L1699664-44				L1699664-45				L1699664-46				L1699664-47			
Client Sample ID						B-11 @ 3.5				B-11 @ 5.0				B-12 @ 0.5				B-12 @ 4.5				B-12 @ 6			
Date Collected						01/24/2024				01/24/2024				01/25/2024				01/25/2024				01/25/2024			
Analyte	**CAS**	**Method**	**Units**	**RSL Residential**	**RSL Industrial**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**
ARSENIC	7440-38-2	6010B	mg/kg	**0.7**	**3**	**80**		0.594	2.29	**16**		0.573	2.21	**13.9**		0.553	2.14	**34.1**		0.595	2.3	**14.7**		0.568	2.19
BARIUM	7440-39-3	6010B	mg/kg	**15,000**	**220,000**	**132**		0.0977	0.573	**68.2**		0.0942	0.553	**65.5**		0.091	0.534	**184**		0.0978	0.574	**64.4**		0.0934	0.548
CADMIUM	7440-43-9	6010B	mg/kg	**7.1**	**100**	**18.4**		0.054	0.573	**0.695**		0.0521	0.553	**1.15**		0.0503	0.534	**6.33**		0.0541	0.574	**1.73**		0.0516	0.548
CHROMIUM	7440-47-3	6010B	mg/kg	**NE**	**NE**	**59.3**		0.153	1.15	**25.4**		0.147	1.11	**12.3**		0.142	1.07	**29.7**		0.153	1.15	**27.7**		0.146	1.1
LEAD	7439-92-1	6010B	mg/kg	**200**	**800**	**1620**		0.239	0.573	**88.5**		0.23	0.553	**145**		0.222	0.534	**522**		0.239	0.574	**58.8**		0.228	0.548
MERCURY	7439-97-6	7471A	mg/kg	**11**	**46**	**1.5**		0.0206	0.0459	<0.0442		0.0199	0.0442	**0.101**		0.0192	0.0427	**0.747**		0.0207	0.0459	**0.0366**	J	0.0197	0.0438
SELENIUM	7782-49-2	6010B	mg/kg	**390**	**5,800**	**2.87**		0.876	2.29	**1.35**	J	0.845	2.21	<2.14		0.816	2.14	**1.62**	J	0.877	2.3	<2.19		0.837	2.19
SILVER	7440-22-4	6010B	mg/kg	**390**	**5,800**	**14.3**		0.146	1.15	**0.627**	J	0.14	1.11	**0.766**	J	0.136	1.07	**3.96**		0.146	1.15	**0.506**	J	0.139	1.1

Qualifiers (Q):

J: The identification of the analyte is acceptable; the reported value is an estimate.
B: The same analyte is found in the associated blank.
J3: The associated batch QC was outside the established quality control range for precisi
J6: The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1: The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
V: The sample concentration is too high to evaluate accurate spike recoveries.

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 C1 - Metals in Soil
Bonanza Park Phase II ESA - 1665 Bonanza Drive, Park City, Utah
Terracon Project No. 61237186 Task 4.11

Lab Sample ID						L1699664-48				L1699664-49				L1699664-50				L1699664-51				L1699664-52			
Client Sample ID						B-13 @ 0.5				B-13 @ 2				B-13 @ 5				B-14 @ 0.5				B-14 @ 2			
Date Collected						01/24/2024				01/24/2024				01/24/2024				01/25/2024				01/25/2024			
Analyte	**CAS**	**Method**	**Units**	**RSL Residential**	**RSL Industrial**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**
ARSENIC	7440-38-2	6010B	mg/kg	**0.7**	**3**	**7.62**		0.583	2.25	**80.5**		0.577	2.23	**108**		0.579	2.23	**7.08**		0.599	2.31	**49.4**		0.654	2.53
BARIUM	7440-39-3	6010B	mg/kg	**15,000**	**220,000**	**65**		0.096	0.562	**119**		0.0949	0.557	**69.8**		0.0952	0.559	**113**		0.0985	0.578	**228**		0.108	0.631
CADMIUM	7440-43-9	6010B	mg/kg	**7.1**	**100**	**0.6**		0.053	0.562	**4.51**		0.0525	0.557	**1.67**		0.0526	0.559	**1.2**		0.0545	0.578	**5.26**		0.0595	0.631
CHROMIUM	7440-47-3	6010B	mg/kg	**NE**	**NE**	**6.48**		0.15	1.12	**27.1**		0.148	1.11	**29.7**		0.149	1.12	**19.2**		0.154	1.16	**31.2**		0.168	1.26
LEAD	7439-92-1	6010B	mg/kg	**200**	**800**	**86.8**	J3 J6	0.234	0.562	**1290**		0.232	0.557	**114**		0.232	0.559	**79.3**		0.241	0.578	**411**		0.263	0.631
MERCURY	7439-97-6	7471A	mg/kg	**11**	**46**	**0.0327**	J	0.02	0.045	**0.847**		0.0201	0.0446	**0.029**	J	0.0201	0.0447	**0.179**		0.0208	0.0463	**0.521**		0.0227	0.0505
SELENIUM	7782-49-2	6010B	mg/kg	**390**	**5,800**	**0.91**	J	0.859	2.25	**2.88**		0.851	2.23	<2.23		0.853	2.23	<2.31		0.883	2.31	**1.41**	B J	0.965	2.53
SILVER	7440-22-4	6010B	mg/kg	**390**	**5,800**	**0.287**	J	0.143	1.12	**5.19**		0.142	1.11	<1.12		0.142	1.12	**0.285**	J	0.147	1.16	**3.09**		0.16	1.26

Qualifiers (Q):
J: The identification of the analyte is acceptable; the reported value is an estimate.
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J3: The associated batch QC was outside the established quality control range for precisi
J6: The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1: The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
V: The sample concentration is too high to evaluate accurate spike recoveries.

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 C1 - Metals in Soil
Bonanza Park Phase II ESA - 1665 Bonanza Drive, Park City, Utah
Terracon Project No. 61237186 Task 4.11

Lab Sample ID						L1699664-53				L1699664-54				L1699664-55				L1699664-56				L1699664-57			
Client Sample ID						B-14 @ 6				B-15 @ 0.5				B-15 @ 3.5				B-15 @ 6				B-16 @ 0.5			
Date Collected						01/25/2024				01/25/2024				01/25/2024				01/25/2024				01/25/2024			
Analyte	**CAS**	**Method**	**Units**	**RSL Residential**	**RSL Industrial**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**
ARSENIC	7440-38-2	6010B	mg/kg	**0.7**	**3**	**19.7**		0.62	2.4	**5.31**		0.559	2.16	**43.5**		0.608	2.35	**13.5**		0.556	2.15	**134**		0.606	2.34
BARIUM	7440-39-3	6010B	mg/kg	**15,000**	**220,000**	**61.3**		0.102	0.599	**74.6**		0.0919	0.54	**164**		0.1	0.587	**65**		0.0915	0.537	**180**		0.0997	0.585
CADMIUM	7440-43-9	6010B	mg/kg	**7.1**	**100**	**0.793**		0.0564	0.599	**0.309**	J	0.0508	0.54	**11.5**		0.0553	0.587	**0.742**		0.0506	0.537	**33**		0.0551	0.585
CHROMIUM	7440-47-3	6010B	mg/kg	**NE**	**NE**	**25.8**		0.159	1.2	**13.9**		0.144	1.08	**27.3**		0.156	1.17	**25.8**		0.143	1.07	**22**		0.156	1.17
LEAD	7439-92-1	6010B	mg/kg	**200**	**800**	**77.7**		0.249	0.599	**38**		0.224	0.54	**1260**		0.244	0.587	**50**		0.223	0.537	**3900**		0.243	0.585
MERCURY	7439-97-6	7471A	mg/kg	**11**	**46**	<0.0479		0.0216	0.0479	**0.035**	J	0.0194	0.0432	**2.8**		0.0423	0.094	<0.0430		0.0193	0.043	**6.14**		0.105	0.234
SELENIUM	7782-49-2	6010B	mg/kg	**390**	**5,800**	**1.31**	B J	0.915	2.4	**1.53**	B J	0.824	2.16	**1.77**	B J	0.897	2.35	<2.15		0.821	2.15	**2.36**	B	0.894	2.34
SILVER	7440-22-4	6010B	mg/kg	**390**	**5,800**	<1.20		0.152	1.2	**0.531**	J	0.137	1.08	**6.7**		0.149	1.17	<1.07		0.136	1.07	**22.9**		0.149	1.17

Qualifiers (Q):
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B: The same analyte is found in the associated blank.
J3: The associated batch QC was outside the established quality control range for precisi
J6: The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1: The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
V: The sample concentration is too high to evaluate accurate spike recoveries.

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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 C1 - Metals in Soil
Bonanza Park Phase II ESA - 1665 Bonanza Drive, Park City, Utah
Terracon Project No. 61237186 Task 4.11

Lab Sample ID						L1699664-58				L1699664-59				L1699664-60				L1699664-61				L1699664-62			
Client Sample ID						B-16 @ 2.5				B-16 @ 4.5				B-17 @ 0.5				B-17 @ 1.5				B-17 @ 9			
Date Collected						01/25/2024				01/25/2024				01/25/2024				01/25/2024				01/25/2024			
Analyte	**CAS**	**Method**	**Units**	**RSL Residential**	**RSL Industrial**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**
ARSENIC	7440-38-2	6010B	mg/kg	**0.7**	**3**	**108**		0.566	2.19	**8.61**		0.531	2.05	**5.5**		0.545	2.11	**50.6**		0.612	2.36	**18.1**		0.566	2.18
BARIUM	7440-39-3	6010B	mg/kg	**15,000**	**220,000**	**79.6**		0.0931	0.546	**80.2**		0.0873	0.512	**53.5**		0.0897	0.527	**219**		0.101	0.591	**70.3**		0.093	0.546
CADMIUM	7440-43-9	6010B	mg/kg	**7.1**	**100**	**0.413**	J	0.0515	0.546	**0.596**		0.0483	0.512	**0.505**	J	0.0496	0.527	**7.02**		0.0556	0.591	**0.928**		0.0514	0.546
CHROMIUM	7440-47-3	6010B	mg/kg	**NE**	**NE**	**26**		0.145	1.09	**11**		0.136	1.02	**11.8**		0.14	1.05	**28.3**		0.157	1.18	**28.7**		0.145	1.09
LEAD	7439-92-1	6010B	mg/kg	**200**	**800**	**156**		0.227	0.546	**48.5**		0.213	0.512	**23.1**		0.219	0.527	**653**		0.246	0.591	**97.1**		0.227	0.546
MERCURY	7439-97-6	7471A	mg/kg	**11**	**46**	**0.0399**	J	0.0197	0.0437	**0.124**		0.0184	0.041	**0.087**		0.019	0.0421	**1.29**		0.0213	0.0472	**0.0212**	J	0.0197	0.0437
SELENIUM	7782-49-2	6010B	mg/kg	**390**	**5,800**	**1.1**	B J	0.835	2.19	<2.05		0.783	2.05	**1.59**	B J	0.805	2.11	**1.6**	B J	0.902	2.36	<2.18		0.834	2.18
SILVER	7440-22-4	6010B	mg/kg	**390**	**5,800**	<1.09		0.139	1.09	**2.54**		0.13	1.02	**2.4**		0.134	1.05	**3.36**		0.15	1.18	<1.09		0.139	1.09

Qualifiers (Q):
J: The identification of the analyte is acceptable; the reported value is an estimate.
B: The same analyte is found in the associated blank.
J3: The associated batch QC was outside the established quality control range for precisi
J6: The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1: The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
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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 C1 - Metals in Soil
Bonanza Park Phase II ESA - 1665 Bonanza Drive, Park City, Utah
Terracon Project No. 61237186 Task 4.11

Lab Sample ID						L1699664-63				L1699664-64				L1699664-65				L1699664-66				L1699664-67			
Client Sample ID						B-18 @ 0.5				B-18 @ 2.5				B-18 @ 4				B-112 @ 0.5				B-112 @ 4			
Date Collected						01/25/2024				01/25/2024				01/25/2024				01/23/2024				01/23/2024			
Analyte	**CAS**	**Method**	**Units**	**RSL Residential**	**RSL Industrial**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**
ARSENIC	7440-38-2	6010B	mg/kg	**0.7**	**3**	**18.1**		0.646	2.49	**16.4**		0.567	2.19	**3.93**		0.536	2.07	**4.02**		0.563	2.17	**17.3**		0.561	2.17
BARIUM	7440-39-3	6010B	mg/kg	**15,000**	**220,000**	**283**		0.106	0.623	**68.9**		0.0932	0.547	**46.9**		0.0882	0.518	**87.7**		0.0925	0.543	**76.8**	O1	0.0924	0.542
CADMIUM	7440-43-9	6010B	mg/kg	**7.1**	**100**	**1.89**		0.0587	0.623	**1.31**		0.0515	0.547	**0.051**	J	0.0488	0.518	**0.341**	J	0.0512	0.543	**1.52**		0.0511	0.542
CHROMIUM	7440-47-3	6010B	mg/kg	**NE**	**NE**	**35.3**		0.166	1.25	**27.2**		0.146	1.09	**4.8**		0.138	1.04	**9.43**		0.144	1.09	**28.4**	O1	0.144	1.08
LEAD	7439-92-1	6010B	mg/kg	**200**	**800**	**99.2**		0.259	0.623	**68**		0.228	0.547	**20.6**		0.215	0.518	**22.5**		0.226	0.543	**219**	J6 O1	0.225	0.542
MERCURY	7439-97-6	7471A	mg/kg	**11**	**46**	<0.0499		0.0224	0.0499	<0.0438		0.0197	0.044	<0.0414		0.0186	0.0414	**0.25**		0.0196	0.043	**0.0363**	J	0.0195	0.0434
SELENIUM	7782-49-2	6010B	mg/kg	**390**	**5,800**	**1.48**	B J	0.952	2.49	**1.72**	B J	0.836	2.19	**1.97**	B J	0.791	2.07	**1.48**	B J	0.83	2.17	**2.62**	B	0.828	2.17
SILVER	7440-22-4	6010B	mg/kg	**390**	**5,800**	<1.25		0.158	1.25	<1.09		0.139	1.09	**0.805**	J	0.132	1.04	**0.645**	J	0.138	1.09	<1.08		0.138	1.08

Qualifiers (Q):

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

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

J3: The associated batch QC was outside the established quality control range for precisi

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

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

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

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 C1 - Metals in Soil
Bonanza Park Phase II ESA - 1665 Bonanza Drive, Park City, Utah
Terracon Project No. 61237186 Task 4.11

Lab Sample ID						L1699664-69				L1699664-70				L1699664-71				L1699664-72			
Client Sample ID						B-112 @ 6				B-114 @ 0.5				B-119 @ 4				B-110 @ 5.5			
Date Collected						01/23/2024				01/23/2024				01/24/2024				01/25/2024			
Analyte	**CAS**	**Method**	**Units**	**RSL Residential**	**RSL Industrial**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**
ARSENIC	7440-38-2	6010B	mg/kg	**0.7**	**3**	**23.2**		0.553	2.14	**4.24**		0.548	2.11	**295**		0.624	2.41	**20.9**		0.582	2.25
BARIUM	7440-39-3	6010B	mg/kg	**15,000**	**220,000**	**53.6**		0.091	0.534	**16.7**		0.0901	0.529	**207**		0.103	0.603	**107**		0.0958	0.562
CADMIUM	7440-43-9	6010B	mg/kg	**7.1**	**100**	**0.816**		0.0503	0.534	<0.529		0.0498	0.529	**33.3**		0.0568	0.603	**0.354**	J	0.0529	0.562
CHROMIUM	7440-47-3	6010B	mg/kg	**NE**	**NE**	**34.1**		0.142	1.07	**5**		0.141	1.06	**26.7**		0.16	1.21	**29.1**		0.149	1.12
LEAD	7439-92-1	6010B	mg/kg	**200**	**800**	**93.6**		0.222	0.534	**4.84**		0.22	0.529	**9280**		0.251	0.603	**120**		0.234	0.562
MERCURY	7439-97-6	7471A	mg/kg	**11**	**46**	**0.022**	J	0.0192	0.0427	<0.0423		0.019	0.0423	**133**		2.17	4.82	**0.026**	J	0.0202	0.045
SELENIUM	7782-49-2	6010B	mg/kg	**390**	**5,800**	**1.14**	B J	0.816	2.14	**1.11**	B J	0.808	2.11	**4.66**		0.921	2.41	<2.25		0.859	2.25
SILVER	7440-22-4	6010B	mg/kg	**390**	**5,800**	<1.07		0.136	1.07	**2.49**		0.134	1.06	**39.5**		0.153	1.21	**0.518**	J	0.143	1.12

Qualifiers (Q):

J: The identification of the analyte is acceptable; the reported value is an estimate.
B: The same analyte is found in the associated blank.
J3: The associated batch QC was outside the established quality control range for precisi
J6: The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1: The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
V: The sample concentration is too high to evaluate accurate spike recoveries.

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 C2 - VOCs and Petroleum Hydrocarbons in Soil
Bonanza Park Phase II ESA - 1665 Bonanza Drive, Park City, Utah
Terracon Project No. 61237186 Task 4.11

Lab Sample ID								L1699664-10				L1699664-14				L1699664-18			
Client Sample ID								B-1 @ 33.5				B-2 @ 33.5				B-3 @ 36.5			
Date Collected								01/23/2024				01/23/2024				01/23/2024			
Analyte	**CAS**	**Method**	**Units**	**RSL Residential**	**RSL Industrial**	**ISL**	**Tier 1**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**
TPH-GRO	8006-61-9	8260B	mg/kg	**NE**	**NE**	**150**	**1500**	**1.1**	J	0.901	4.68	**1.94**	J	0.851	4.43	**1.36**	J	0.859	4.47
TPH-DRO	68334-30-5	8015	mg/kg	**NE**	**NE**	**500**	**5000**	<0.586		0.214	0.586	<0.553		0.202	0.553	<0.559		0.205	0.559
TRPH	NE	9071B	mg/kg	**NE**	**NE**	**1000**	**10000**	**105**	J	38.6	117	**87.5**	J	36.5	111	**66**	J	36.9	112
ACETONE	67-64-1	8260B	mg/kg	**70000**	**1100000**	**NE**	**NE**	<0.0586		0.0242	0.0586	<0.0553		0.0229	0.0553	<0.0559		0.0231	0.0559
ACRYLONITRILE	107-13-1	8260B	mg/kg	**0.25**	**1.1**	**NE**	**NE**	<0.0117		0.00237	0.0117	<0.0111		0.00223	0.0111	<0.0112		0.00226	0.0112
BENZENE	71-43-2	8260B	mg/kg	**1.2**	**5.1**	**0.2**	**0.9**	<0.00117		0.00044	0.0012	<0.00111		0.00042	0.0011	<0.00112		0.00042	0.0011
BROMOBENZENE	108-86-1	8260B	mg/kg	**290**	**1800**	**NE**	**NE**	<0.00117		0.00032	0.0012	<0.00111		0.0003	0.0011	<0.00112		0.00031	0.0011
BROMODICHLOROMETHANE	75-27-4	8260B	mg/kg	**0.29**	**1.3**	**NE**	**NE**	<0.00117		0.00085	0.0012	<0.00111		0.0008	0.0011	<0.00112		0.00081	0.0011
BROMOFORM	75-25-2	8260B	mg/kg	**19**	**86**	**NE**	**NE**	<0.00117		0.0005	0.0012	<0.00111		0.00047	0.0011	<0.00112		0.00047	0.0011
BROMOMETHANE	74-83-9	8260B	mg/kg	**6.8**	**30**	**NE**	**NE**	<0.00586		0.00137	0.0059	<0.00553		0.00129	0.0055	<0.00559		0.00131	0.0056
N-BUTYLBENZENE	104-51-8	8260B	mg/kg	**3900**	**58000**	**NE**	**NE**	<0.00117		0.0003	0.0012	<0.00111		0.00029	0.0011	<0.00112		0.00029	0.0011
SEC-BUTYLBENZENE	135-98-8	8260B	mg/kg	**7800**	**120000**	**NE**	**NE**	<0.00117		0.00024	0.0012	<0.00111		0.00022	0.0011	<0.00112		0.00023	0.0011
TERT-BUTYLBENZENE	98-06-6	8260B	mg/kg	**7800**	**120000**	**NE**	**NE**	<0.00117		0.00024	0.0012	<0.00111		0.00023	0.0011	<0.00112		0.00023	0.0011
CARBON TETRACHLORIDE	56-23-5	8260B	mg/kg	**0.65**	**2.9**	**NE**	**NE**	<0.00117		0.00029	0.0012	<0.00111		0.00027	0.0011	<0.00112		0.00028	0.0011
CHLOROBENZENE	108-90-7	8260B	mg/kg	**280**	**1300**	**NE**	**NE**	<0.00117		0.00023	0.0012	<0.00111		0.00021	0.0011	<0.00112		0.00022	0.0011
CHLORODIBROMOMETHANE	124-48-1	8260B	mg/kg	**8.3**	**39**	**NE**	**NE**	<0.00117		0.00026	0.0012	<0.00111		0.00025	0.0011	<0.00112		0.00025	0.0011
CHLOROETHANE	75-00-3	8260B	mg/kg	**5400**	**23000**	**NE**	**NE**	<0.00586		0.00117	0.0059	<0.00553		0.00111	0.0055	<0.00559		0.00112	0.0056
CHLOROFORM	67-66-3	8260B	mg/kg	**0.32**	**1.4**	**NE**	**NE**	<0.00586		0.00121	0.0059	<0.00553		0.00114	0.0055	<0.00559		0.00115	0.0056
CHLOROMETHANE	74-87-3	8260B	mg/kg	**110**	**460**	**NE**	**NE**	<0.00293		0.00076	0.0029	<0.00277		0.00072	0.0028	<0.00279		0.00073	0.0028
2-CHLOROTOLUENE	95-49-8	8260B	mg/kg	**1600**	**23000**	**NE**	**NE**	<0.00117		0.00026	0.0012	<0.00111		0.00025	0.0011	<0.00112		0.00025	0.0011
4-CHLOROTOLUENE	106-43-4	8260B	mg/kg	**1600**	**23000**	**NE**	**NE**	<0.00117		0.00081	0.0012	<0.00111		0.00076	0.0011	<0.00112		0.00077	0.0011
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	8260B	mg/kg	**0.0053**	**0.064**	**NE**	**NE**	*<0.00586*		0.00223	0.0059	*<0.00553*		0.0021	0.0055	*<0.00559*		0.00212	0.0056
1,2-DIBROMOETHANE	106-93-4	8260B	mg/kg	**0.036**	**0.16**	**NE**	**NE**	<0.00117		0.00029	0.0012	<0.00111		0.00028	0.0011	<0.00112		0.00028	0.0011
DIBROMOMETHANE	74-95-3	8260B	mg/kg	**24**	**99**	**NE**	**NE**	<0.00117		0.00041	0.0012	<0.00111		0.00039	0.0011	<0.00112		0.00039	0.0011
1,2-DICHLOROBENZENE	95-50-1	8260B	mg/kg	**1800**	**9300**	**NE**	**NE**	<0.00117		0.0005	0.0012	<0.00111		0.00047	0.0011	<0.00112		0.00048	0.0011
1,3-DICHLOROBENZENE	541-73-1	8260B	mg/kg	**NE**	**NE**	**NE**	**NE**	<0.00117		0.0007	0.0012	<0.00111		0.00066	0.0011	<0.00112		0.00067	0.0011
1,4-DICHLOROBENZENE	106-46-7	8260B	mg/kg	**2.6**	**11**	**NE**	**NE**	<0.00117		0.00097	0.0012	<0.00111		0.00092	0.0011	<0.00112		0.00093	0.0011
DICHLORODIFLUOROMETHANE	75-71-8	8260B	mg/kg	**87**	**370**	**NE**	**NE**	<0.00586		0.00034	0.0059	<0.00553		0.00032	0.0055	<0.00559		0.00032	0.0056
1,1-DICHLOROETHANE	75-34-3	8260B	mg/kg	**3.6**	**16**	**NE**	**NE**	<0.00117		0.00031	0.0012	<0.00111		0.0003	0.0011	<0.00112		0.0003	0.0011
1,2-DICHLOROETHANE	107-06-2	8260B	mg/kg	**0.46**	**2**	**NE**	**NE**	<0.00117		0.00053	0.0012	<0.00111		0.0005	0.0011	<0.00112		0.0005	0.0011
1,1-DICHLOROETHENE	75-35-4	8260B	mg/kg	**230**	**1000**	**NE**	**NE**	<0.00117		0.00042	0.0012	<0.00111		0.00039	0.0011	<0.00112		0.0004	0.0011
CIS-1,2-DICHLOROETHENE	156-59-2	8260B	mg/kg	**63**	**370**	**NE**	**NE**	<0.00117		0.00056	0.0012	<0.00111		0.00053	0.0011	<0.00112		0.00053	0.0011
TRANS-1,2-DICHLOROETHENE	156-60-5	8260B	mg/kg	**70**	**300**	**NE**	**NE**	<0.00117		0.00059	0.0012	<0.00111		0.00055	0.0011	<0.00112		0.00056	0.0011
1,2-DICHLOROPROPANE	78-87-5	8260B	mg/kg	**2.5**	**11**	**NE**	**NE**	<0.00117		0.00019	0.0012	<0.00111		0.00018	0.0011	<0.00112		0.00018	0.0011
1,1-DICHLOROPROPENE	563-58-6	8260B	mg/kg	**NE**	**NE**	**NE**	**NE**	<0.00117		0.00044	0.0012	<0.00111		0.00042	0.0011	<0.00112		0.00042	0.0011
1,3-DICHLOROPROPANE	142-28-9	8260B	mg/kg	**1600**	**23000**	**NE**	**NE**	<0.00117		0.00026	0.0012	<0.00111		0.00025	0.0011	<0.00112		0.00025	0.0011
CIS-1,3-DICHLOROPROPENE	10061-01-5	8260B	mg/kg	**NE**	**NE**	**NE**	**NE**	<0.00117		0.0005	0.0012	<0.00111		0.00047	0.0011	<0.00112		0.00048	0.0011
TRANS-1,3-DICHLOROPROPENE	10061-02-6	8260B	mg/kg	**NE**	**NE**	**NE**	**NE**	<0.00117		0.00079	0.0012	<0.00111		0.00075	0.0011	<0.00112		0.00075	0.0011
2,2-DICHLOROPROPANE	594-20-7	8260B	mg/kg	**NE**	**NE**	**NE**	**NE**	<0.00117		0.00044	0.0012	<0.00111		0.00042	0.0011	<0.00112		0.00042	0.0011
DI-ISOPROPYL ETHER	108-20-3	8260B	mg/kg	**2200**	**9400**	**NE**	**NE**	<0.00117		0.00026	0.0012	<0.00111		0.00025	0.0011	<0.00112		0.00025	0.0011
ETHYLBENZENE	100-41-4	8260B	mg/kg	**5.8**	**25**	**5**	**23**	<0.00117		0.00035	0.0012	<0.00111		0.00033	0.0011	<0.00112		0.00034	0.0011
HEXACHLORO-1,3-BUTADIENE	87-68-3	8260B	mg/kg	**1.2**	**5.3**	**NE**	**NE**	<0.00117		0.0004	0.0012	<0.00111		0.00038	0.0011	<0.00112		0.00038	0.0011
ISOPROPYLBENZENE	98-82-8	8260B	mg/kg	**1900**	**9900**	**NE**	**NE**	<0.00117		0.0005	0.0012	<0.00111		0.00047	0.0011	<0.00112		0.00048	0.0011
P-ISOPROPYLTOLUENE	99-87-6	8260B	mg/kg	**NE**	**NE**	**NE**	**NE**	<0.00117		0.00024	0.0012	<0.00111		0.00023	0.0011	<0.00112		0.00023	0.0011
2-BUTANONE (MEK)	78-93-3	8260B	mg/kg	**27000**	**190000**	**NE**	**NE**	<0.0117		0.00548	0.0117	<0.0111		0.00518	0.0111	<0.0112		0.00523	0.0112

Table C2 - VOCs and Petroleum Hydrocarbons in Soil
Bonanza Park Phase II ESA - 1665 Bonanza Drive, Park City, Utah
Terracon Project No. 61237186 Task 4.11

Lab Sample ID								L1699664-10				L1699664-14				L1699664-18			
Client Sample ID								B-1 @ 33.5				B-2 @ 33.5				B-3 @ 36.5			
Date Collected								01/23/2024				01/23/2024				01/23/2024			
Analyte	**CAS**	**Method**	**Units**	**RSL Residential**	**RSL Industrial**	**ISL**	**Tier 1**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**
METHYLENE CHLORIDE	75-09-2	8260B	mg/kg	**57**	**1000**	**NE**	**NE**	<0.00586		0.00117	0.0059	<0.00553		0.00111	0.0055	<0.00559		0.00112	0.0056
4-METHYL-2-PENTANONE (MIBK)	108-10-1	8260B	mg/kg	**33000**	**140000**	**NE**	**NE**	<0.0117		0.00111	0.0117	<0.0111		0.00105	0.0111	<0.0112		0.00106	0.0112
METHYL TERT-BUTYL ETHER	1634-04-4	8260B	mg/kg	**47**	**210**	**0.3**	**0.3**	<0.00117		0.00041	0.0012	<0.00111		0.00039	0.0011	<0.00112		0.00039	0.0011
NAPHTHALENE	91-20-3	8260B	mg/kg	**2**	**8.6**	**51**	**51**	<0.00586		0.00583	0.0059	<0.00553		0.00551	0.0055	<0.00559		0.00557	0.0056
N-PROPYLBENZENE	103-65-1	8260B	mg/kg	**3800**	**24000**	**NE**	**NE**	<0.00117		0.00024	0.0012	<0.00111		0.00023	0.0011	<0.00112		0.00023	0.0011
STYRENE	100-42-5	8260B	mg/kg	**6000**	**35000**	**NE**	**NE**	<0.00117		0.00026	0.0012	<0.00111		0.00025	0.0011	<0.00112		0.00025	0.0011
1,1,1,2-TETRACHLOROETHANE	630-20-6	8260B	mg/kg	**2**	**8.8**	**NE**	**NE**	<0.00117		0.00035	0.0012	<0.00111		0.00033	0.0011	<0.00112		0.00033	0.0011
1,1,2,2-TETRACHLOROETHANE	79-34-5	8260B	mg/kg	**0.6**	**2.7**	**NE**	**NE**	<0.00117		0.00027	0.0012	<0.00111		0.00026	0.0011	<0.00112		0.00026	0.0011
1,1,2-TRICHLOROTRIFLUOROETHANE	76-13-1	8260B	mg/kg	**6700**	**28000**	**NE**	**NE**	<0.00117		0.0005	0.0012	<0.00111		0.00047	0.0011	<0.00112		0.00048	0.0011
TETRACHLOROETHENE	127-18-4	8260B	mg/kg	**24**	**100**	**NE**	**NE**	<0.00117		0.00038	0.0012	<0.00111		0.00036	0.0011	<0.00112		0.00036	0.0011
TOLUENE	108-88-3	8260B	mg/kg	**4900**	**47000**	**9**	**25**	<0.00586		0.00144	0.0059	<0.00553		0.00136	0.0055	<0.00559		0.00137	0.0056
1,2,3-TRICHLOROBENZENE	87-61-6	8260B	mg/kg	**63**	**930**	**NE**	**NE**	<0.00117		0.00036	0.0012	<0.00111		0.00034	0.0011	<0.00112		0.00034	0.0011
1,2,4-TRICHLOROBENZENE	120-82-1	8260B	mg/kg	**24**	**110**	**NE**	**NE**	<0.00117		0.00045	0.0012	<0.00111		0.00043	0.0011	<0.00112		0.00043	0.0011
1,1,1-TRICHLOROETHANE	71-55-6	8260B	mg/kg	**8100**	**36000**	**NE**	**NE**	<0.00117		0.00043	0.0012	<0.00111		0.00041	0.0011	<0.00112		0.00041	0.0011
1,1,2-TRICHLOROETHANE	79-00-5	8260B	mg/kg	**1.1**	**5**	**NE**	**NE**	<0.00117		0.0005	0.0012	<0.00111		0.00047	0.0011	<0.00112		0.00048	0.0011
TRICHLOROETHENE	79-01-6	8260B	mg/kg	**0.94**	**6**	**NE**	**NE**	<0.00117		0.00023	0.0012	<0.00111		0.00022	0.0011	<0.00112		0.00022	0.0011
TRICHLOROFLUOROMETHANE	75-69-4	8260B	mg/kg	**23000**	**350000**	**NE**	**NE**	<0.00586		0.00042	0.0059	<0.00553		0.00039	0.0055	<0.00559		0.0004	0.0056
1,2,3-TRICHLOROPROPANE	96-18-4	8260B	mg/kg	**0.0051**	**0.11**	**NE**	**NE**	<0.00293		0.00029	0.0029	<0.00277		0.00027	0.0028	<0.00279		0.00027	0.0028
1,2,4-TRIMETHYLBENZENE	95-63-6	8260B	mg/kg	**300**	**1800**	**NE**	**NE**	<0.00117		0.00025	0.0012	<0.00111		0.00023	0.0011	<0.00112		0.00024	0.0011
1,2,3-TRIMETHYLBENZENE	526-73-8	8260B	mg/kg	**340**	**2000**	**NE**	**NE**	<0.00117		0.00034	0.0012	<0.00111		0.00032	0.0011	<0.00112		0.00032	0.0011
1,3,5-TRIMETHYLBENZENE	108-67-8	8260B	mg/kg	**270**	**1500**	**NE**	**NE**	<0.00117		0.00031	0.0012	<0.00111		0.00029	0.0011	<0.00112		0.0003	0.0011
VINYL CHLORIDE	75-01-4	8260B	mg/kg	**0.059**	**1.7**	**NE**	**NE**	<0.00117		0.00027	0.0012	<0.00111		0.00025	0.0011	<0.00112		0.00025	0.0011
XYLENES, TOTAL	1330-20-7	8260B	mg/kg	**580**	**2500**	**142**	**142**	<0.00351		0.00059	0.0035	<0.00332		0.00055	0.0033	<0.00335		0.00056	0.0034

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 (May 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).

Blue italicized non-detect results (e.g., *<0.0100*) exceed one or more of the screening levels.

Color shaded value exceeds screening level.

Table C2 - VOCs and Petroleum Hydrocarbons in Soil
Bonanza Park Phase II ESA - 1665 Bonanza Drive, Park City, Utah
Terracon Project No. 61237186 Task 4.11

Lab Sample ID								L1699664-22				L1699664-26				L1699664-68			
Client Sample ID								B-4 @ 20				B-5 @ 31				B-112 @ 33.5			
Date Collected								01/23/2024				01/24/2024				01/23/2024			
Analyte	**CAS**	**Method**	**Units**	**RSL Residential**	**RSL Industrial**	**ISL**	**Tier 1**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**
TPH-GRO	8006-61-9	8260B	mg/kg	**NE**	**NE**	**150**	**1500**	**9.64**		0.807	4.2	**3.66**	J	0.934	4.86	**1.73**	J	0.836	4.35
TPH-DRO	68334-30-5	8015	mg/kg	**NE**	**NE**	**500**	**5000**	<0.525		0.192	0.525	<0.607		0.222	0.607	<0.544		0.199	0.544
TRPH	NE	9071B	mg/kg	**NE**	**NE**	**1000**	**10000**	**206**		34.6	105	**60**	J	40.1	121	**74.7**	J	35.9	109
ACETONE	67-64-1	8260B	mg/kg	**70000**	**1100000**	**NE**	**NE**	<0.0525		0.0217	0.0525	<0.0607		0.0251	0.0607	<0.0544		0.0225	0.0544
ACRYLONITRILE	107-13-1	8260B	mg/kg	**0.25**	**1.1**	**NE**	**NE**	<0.0105		0.00212	0.0105	<0.0121		0.00245	0.0121	<0.0109		0.0022	0.0109
BENZENE	71-43-2	8260B	mg/kg	**1.2**	**5.1**	**0.2**	**0.9**	<0.00105		0.00039	0.0011	<0.00121		0.00046	0.0012	<0.00109		0.00041	0.0011
BROMOBENZENE	108-86-1	8260B	mg/kg	**290**	**1800**	**NE**	**NE**	<0.00105		0.00029	0.0011	<0.00121		0.00033	0.0012	<0.00109		0.0003	0.0011
BROMODICHLOROMETHANE	75-27-4	8260B	mg/kg	**0.29**	**1.3**	**NE**	**NE**	<0.00105		0.00076	0.0011	<0.00121		0.00088	0.0012	<0.00109		0.00079	0.0011
BROMOFORM	75-25-2	8260B	mg/kg	**19**	**86**	**NE**	**NE**	<0.00105		0.00045	0.0011	<0.00121		0.00052	0.0012	<0.00109		0.00046	0.0011
BROMOMETHANE	74-83-9	8260B	mg/kg	**6.8**	**30**	**NE**	**NE**	<0.00525		0.00123	0.0053	<0.00607		0.00142	0.0061	<0.00544		0.00127	0.0054
N-BUTYLBENZENE	104-51-8	8260B	mg/kg	**3900**	**58000**	**NE**	**NE**	<0.00105		0.00027	0.0011	<0.00121		0.00031	0.0012	<0.00109		0.00028	0.0011
SEC-BUTYLBENZENE	135-98-8	8260B	mg/kg	**7800**	**120000**	**NE**	**NE**	<0.00105		0.00021	0.0011	<0.00121		0.00024	0.0012	<0.00109		0.00022	0.0011
TERT-BUTYLBENZENE	98-06-6	8260B	mg/kg	**7800**	**120000**	**NE**	**NE**	<0.00105		0.00022	0.0011	<0.00121		0.00025	0.0012	<0.00109		0.00022	0.0011
CARBON TETRACHLORIDE	56-23-5	8260B	mg/kg	**0.65**	**2.9**	**NE**	**NE**	<0.00105		0.00026	0.0011	<0.00121		0.0003	0.0012	<0.00109		0.00027	0.0011
CHLOROBENZENE	108-90-7	8260B	mg/kg	**280**	**1300**	**NE**	**NE**	<0.00105		0.0002	0.0011	<0.00121		0.00023	0.0012	<0.00109		0.00021	0.0011
CHLORODIBROMOMETHANE	124-48-1	8260B	mg/kg	**8.3**	**39**	**NE**	**NE**	<0.00105		0.00024	0.0011	<0.00121		0.00027	0.0012	<0.00109		0.00024	0.0011
CHLOROETHANE	75-00-3	8260B	mg/kg	**5400**	**23000**	**NE**	**NE**	<0.00525		0.00105	0.0053	<0.00607		0.00121	0.0061	<0.00544		0.00109	0.0054
CHLOROFORM	67-66-3	8260B	mg/kg	**0.32**	**1.4**	**NE**	**NE**	<0.00525		0.00108	0.0053	<0.00607		0.00125	0.0061	<0.00544		0.00112	0.0054
CHLOROMETHANE	74-87-3	8260B	mg/kg	**110**	**460**	**NE**	**NE**	<0.00262		0.00068	0.0026	<0.00304		0.00079	0.003	<0.00272		0.00071	0.0027
2-CHLOROTOLUENE	95-49-8	8260B	mg/kg	**1600**	**23000**	**NE**	**NE**	<0.00105		0.00024	0.0011	<0.00121		0.00027	0.0012	<0.00109		0.00025	0.0011
4-CHLOROTOLUENE	106-43-4	8260B	mg/kg	**1600**	**23000**	**NE**	**NE**	<0.00105		0.00073	0.0011	<0.00121		0.00084	0.0012	<0.00109		0.00075	0.0011
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	8260B	mg/kg	**0.0053**	**0.064**	**NE**	**NE**	<0.00525		0.00199	0.0053	*<0.00607*		0.00231	0.0061	*<0.00544*		0.00207	0.0054
1,2-DIBROMOETHANE	106-93-4	8260B	mg/kg	**0.036**	**0.16**	**NE**	**NE**	<0.00105		0.00026	0.0011	<0.00121		0.0003	0.0012	<0.00109		0.00027	0.0011
DIBROMOMETHANE	74-95-3	8260B	mg/kg	**24**	**99**	**NE**	**NE**	<0.00105		0.00037	0.0011	<0.00121		0.00043	0.0012	<0.00109		0.00038	0.0011
1,2-DICHLOROBENZENE	95-50-1	8260B	mg/kg	**1800**	**9300**	**NE**	**NE**	<0.00105		0.00045	0.0011	<0.00121		0.00052	0.0012	<0.00109		0.00046	0.0011
1,3-DICHLOROBENZENE	541-73-1	8260B	mg/kg	**NE**	**NE**	**NE**	**NE**	<0.00105		0.00063	0.0011	<0.00121		0.00073	0.0012	<0.00109		0.00065	0.0011
1,4-DICHLOROBENZENE	106-46-7	8260B	mg/kg	**2.6**	**11**	**NE**	**NE**	<0.00105		0.00087	0.0011	<0.00121		0.00101	0.0012	<0.00109		0.0009	0.0011
DICHLORODIFLUOROMETHANE	75-71-8	8260B	mg/kg	**87**	**370**	**NE**	**NE**	<0.00525		0.0003	0.0053	<0.00607		0.00035	0.0061	<0.00544		0.00031	0.0054
1,1-DICHLOROETHANE	75-34-3	8260B	mg/kg	**3.6**	**16**	**NE**	**NE**	<0.00105		0.00028	0.0011	<0.00121		0.00033	0.0012	<0.00109		0.00029	0.0011
1,2-DICHLOROETHANE	107-06-2	8260B	mg/kg	**0.46**	**2**	**NE**	**NE**	<0.00105		0.00047	0.0011	<0.00121		0.00055	0.0012	<0.00109		0.00049	0.0011
1,1-DICHLOROETHENE	75-35-4	8260B	mg/kg	**230**	**1000**	**NE**	**NE**	<0.00105		0.00037	0.0011	<0.00121		0.00043	0.0012	<0.00109		0.00039	0.0011
CIS-1,2-DICHLOROETHENE	156-59-2	8260B	mg/kg	**63**	**370**	**NE**	**NE**	<0.00105		0.0005	0.0011	<0.00121		0.00058	0.0012	<0.00109		0.00052	0.0011
TRANS-1,2-DICHLOROETHENE	156-60-5	8260B	mg/kg	**70**	**300**	**NE**	**NE**	<0.00105		0.00053	0.0011	<0.00121		0.00061	0.0012	<0.00109		0.00054	0.0011
1,2-DICHLOROPROPANE	78-87-5	8260B	mg/kg	**2.5**	**11**	**NE**	**NE**	<0.00105		0.00017	0.0011	<0.00121		0.0002	0.0012	<0.00109		0.00018	0.0011
1,1-DICHLOROPROPENE	563-58-6	8260B	mg/kg	**NE**	**NE**	**NE**	**NE**	<0.00105		0.00039	0.0011	<0.00121		0.00046	0.0012	<0.00109		0.00041	0.0011
1,3-DICHLOROPROPANE	142-28-9	8260B	mg/kg	**1600**	**23000**	**NE**	**NE**	<0.00105		0.00024	0.0011	<0.00121		0.00027	0.0012	<0.00109		0.00025	0.0011
CIS-1,3-DICHLOROPROPENE	10061-01-5	8260B	mg/kg	**NE**	**NE**	**NE**	**NE**	<0.00105		0.00045	0.0011	<0.00121		0.00052	0.0012	<0.00109		0.00046	0.0011
TRANS-1,3-DICHLOROPROPENE	10061-02-6	8260B	mg/kg	**NE**	**NE**	**NE**	**NE**	<0.00105		0.00071	0.0011	<0.00121		0.00082	0.0012	<0.00109		0.00073	0.0011
2,2-DICHLOROPROPANE	594-20-7	8260B	mg/kg	**NE**	**NE**	**NE**	**NE**	<0.00105		0.00039	0.0011	<0.00121		0.00046	0.0012	<0.00109		0.00041	0.0011
DI-ISOPROPYL ETHER	108-20-3	8260B	mg/kg	**2200**	**9400**	**NE**	**NE**	<0.00105		0.00023	0.0011	<0.00121		0.00027	0.0012	<0.00109		0.00024	0.0011
ETHYLBENZENE	100-41-4	8260B	mg/kg	**5.8**	**25**	**5**	**23**	<0.00105		0.00032	0.0011	<0.00121		0.00036	0.0012	<0.00109		0.00033	0.0011
HEXACHLORO-1,3-BUTADIENE	87-68-3	8260B	mg/kg	**1.2**	**5.3**	**NE**	**NE**	<0.00105		0.00036	0.0011	<0.00121		0.00042	0.0012	<0.00109		0.00037	0.0011
ISOPROPYLBENZENE	98-82-8	8260B	mg/kg	**1900**	**9900**	**NE**	**NE**	<0.00105		0.00045	0.0011	<0.00121		0.00052	0.0012	<0.00109		0.00046	0.0011
P-ISOPROPYLTOLUENE	99-87-6	8260B	mg/kg	**NE**	**NE**	**NE**	**NE**	<0.00105		0.00021	0.0011	<0.00121		0.00025	0.0012	<0.00109		0.00022	0.0011
2-BUTANONE (MEK)	78-93-3	8260B	mg/kg	**27000**	**190000**	**NE**	**NE**	<0.0105		0.00491	0.0105	<0.0121		0.00568	0.0121	<0.0109		0.00509	0.0109

Table C2 - VOCs and Petroleum Hydrocarbons in Soil
Bonanza Park Phase II ESA - 1665 Bonanza Drive, Park City, Utah
Terracon Project No. 61237186 Task 4.11

Lab Sample ID								L1699664-22				L1699664-26				L1699664-68			
Client Sample ID								B-4 @ 20				B-5 @ 31				B-112 @ 33.5			
Date Collected								01/23/2024				01/24/2024				01/23/2024			
Analyte	**CAS**	**Method**	**Units**	**RSL Residential**	**RSL Industrial**	**ISL**	**Tier 1**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**
METHYLENE CHLORIDE	75-09-2	8260B	mg/kg	**57**	**1000**	**NE**	**NE**	<0.00525		0.00105	0.0053	<0.00607		0.00121	0.0061	<0.00544		0.00109	0.0054
4-METHYL-2-PENTANONE (MIBK)	108-10-1	8260B	mg/kg	**33000**	**140000**	**NE**	**NE**	<0.0105		0.001	0.0105	<0.0121		0.00115	0.0121	<0.0109		0.00103	0.0109
METHYL TERT-BUTYL ETHER	1634-04-4	8260B	mg/kg	**47**	**210**	**0.3**	**0.3**	<0.00105		0.00037	0.0011	<0.00121		0.00043	0.0012	<0.00109		0.00038	0.0011
NAPHTHALENE	91-20-3	8260B	mg/kg	**2**	**8.6**	**51**	**51**	<0.00525		0.00523	0.0053	<0.00607		0.00605	0.0061	<0.00544		0.00541	0.0054
N-PROPYLBENZENE	103-65-1	8260B	mg/kg	**3800**	**24000**	**NE**	**NE**	<0.00105		0.00022	0.0011	<0.00121		0.00025	0.0012	<0.00109		0.00022	0.0011
STYRENE	100-42-5	8260B	mg/kg	**6000**	**35000**	**NE**	**NE**	<0.00105		0.00023	0.0011	<0.00121		0.00027	0.0012	<0.00109		0.00024	0.0011
1,1,1,2-TETRACHLOROETHANE	630-20-6	8260B	mg/kg	**2**	**8.8**	**NE**	**NE**	<0.00105		0.00031	0.0011	<0.00121		0.00036	0.0012	<0.00109		0.00032	0.0011
1,1,2,2-TETRACHLOROETHANE	79-34-5	8260B	mg/kg	**0.6**	**2.7**	**NE**	**NE**	<0.00105		0.00024	0.0011	<0.00121		0.00028	0.0012	<0.00109		0.00025	0.0011
1,1,2-TRICHLOROTRIFLUOROETHANE	76-13-1	8260B	mg/kg	**6700**	**28000**	**NE**	**NE**	<0.00105		0.00045	0.0011	<0.00121		0.00052	0.0012	<0.00109		0.00046	0.0011
TETRACHLOROETHENE	127-18-4	8260B	mg/kg	**24**	**100**	**NE**	**NE**	<0.00105		0.00034	0.0011	<0.00121		0.0004	0.0012	<0.00109		0.00035	0.0011
TOLUENE	108-88-3	8260B	mg/kg	**4900**	**47000**	**9**	**25**	<0.00525		0.00129	0.0053	<0.00607		0.00149	0.0061	<0.00544		0.00134	0.0054
1,2,3-TRICHLOROBENZENE	87-61-6	8260B	mg/kg	**63**	**930**	**NE**	**NE**	<0.00105		0.00032	0.0011	<0.00121		0.00037	0.0012	<0.00109		0.00033	0.0011
1,2,4-TRICHLOROBENZENE	120-82-1	8260B	mg/kg	**24**	**110**	**NE**	**NE**	<0.00105		0.00041	0.0011	<0.00121		0.00047	0.0012	<0.00109		0.00042	0.0011
1,1,1-TRICHLOROETHANE	71-55-6	8260B	mg/kg	**8100**	**36000**	**NE**	**NE**	<0.00105		0.00039	0.0011	<0.00121		0.00045	0.0012	<0.00109		0.0004	0.0011
1,1,2-TRICHLOROETHANE	79-00-5	8260B	mg/kg	**1.1**	**5**	**NE**	**NE**	<0.00105		0.00045	0.0011	<0.00121		0.00052	0.0012	<0.00109		0.00046	0.0011
TRICHLOROETHENE	79-01-6	8260B	mg/kg	**0.94**	**6**	**NE**	**NE**	<0.00105		0.00021	0.0011	<0.00121		0.00024	0.0012	<0.00109		0.00022	0.0011
TRICHLOROFLUOROMETHANE	75-69-4	8260B	mg/kg	**23000**	**350000**	**NE**	**NE**	<0.00525		0.00037	0.0053	<0.00607		0.00043	0.0061	<0.00544		0.00039	0.0054
1,2,3-TRICHLOROPROPANE	96-18-4	8260B	mg/kg	**0.0051**	**0.11**	**NE**	**NE**	<0.00262		0.00026	0.0026	<0.00304		0.0003	0.003	<0.00272		0.00027	0.0027
1,2,4-TRIMETHYLBENZENE	95-63-6	8260B	mg/kg	**300**	**1800**	**NE**	**NE**	<0.00105		0.00022	0.0011	<0.00121		0.00026	0.0012	<0.00109		0.00023	0.0011
1,2,3-TRIMETHYLBENZENE	526-73-8	8260B	mg/kg	**340**	**2000**	**NE**	**NE**	<0.00105		0.0003	0.0011	<0.00121		0.00035	0.0012	<0.00109		0.00031	0.0011
1,3,5-TRIMETHYLBENZENE	108-67-8	8260B	mg/kg	**270**	**1500**	**NE**	**NE**	<0.00105		0.00028	0.0011	<0.00121		0.00032	0.0012	<0.00109		0.00029	0.0011
VINYL CHLORIDE	75-01-4	8260B	mg/kg	**0.059**	**1.7**	**NE**	**NE**	<0.00105		0.00024	0.0011	<0.00121		0.00028	0.0012	<0.00109		0.00025	0.0011
XYLENES, TOTAL	1330-20-7	8260B	mg/kg	**580**	**2500**	**142**	**142**	<0.00315		0.00053	0.0032	<0.00364		0.00061	0.0036	<0.00326		0.00054	0.0033

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 (May 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).

Blue italicized non-detect results (e.g., *<0.0100*) exceed one or more of the screening levels.

Color shaded value exceeds screening level.

Table C3 - VOCs and Petroleum Hydrocarbons in Groundwater
Bonanza Park Phase II ESA - 1665 Bonanza Drive, Park City, Utah
Terracon Project No. 61237186 Task 4.11

Lab Sample ID										L1699664-01				L1699664-02				L1699664-03			
Client Sample ID										B-1 GW				B-2 GW				B-4 GW			
Date Collected										01/24/2024				01/24/2024				01/23/2024			
Analyte	**CAS**	**Method**	**Units**	**MCL**	**VISL Residential**	**VISL Commercial**	**ISL**	**Tier 1**	**UGWQS**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**
TPH - OIL & GREASE	NE	1664A	mg/l	**NE**	**NE**	**NE**	**10**	**10**	**NE**	<5.29		0.767	5.29	<5.35		0.775	5.35	<5.32		0.771	5.32
TPH-DRO	68334-30-5	3511/8015	mg/l	**NE**	**NE**	**NE**	**1**	**10**	**NE**	**0.287**		0.0494	0.2	**0.442**		0.0247	0.1	**0.182**	J	0.0566	0.229
TPH-GRO	8006-61-9	8260B	mg/l	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	<0.500		0.108	0.5	<0.500		0.108	0.5	<1.00		0.216	1
ACETONE	67-64-1	8260B	mg/l	**NE**	**22500**	**94500**	**NE**	**NE**	**NE**	<0.0500		0.0113	0.05	**0.0243**	J	0.0113	0.05	<0.100		0.0226	0.1
ACROLEIN	107-02-8	8260B	mg/l	**NE**	**0.00418**	**0.0176**	**NE**	**NE**	**NE**	*<0.0500*		0.00254	0.05	*<0.0500*	J4	0.00254	0.05	*<0.100*	J4	0.00508	0.1
ACRYLONITRILE	107-13-1	8260B	mg/l	**NE**	**0.00732**	**0.032**	**NE**	**NE**	**NE**	*<0.0100*		0.000671	0.01	*<0.0100*		0.000671	0.01	*<0.0200*		0.00134	0.02
BENZENE	71-43-2	8260B	mg/l	**0.005**	**0.00159**	**0.00693**	**0.005**	**0.3**	**0.005**	**0.0000961**	J	0.0000941	0.001	**0.000642**	J	0.0000941	0.001	*<0.00200*		0.000188	0.002
BROMOBENZENE	108-86-1	8260B	mg/l	**NE**	**0.62**	**2.6**	**NE**	**NE**	**NE**	<0.00100		0.000118	0.001	<0.00100		0.000118	0.001	<0.00200		0.000236	0.002
BROMODICHLOROMETHANE	75-27-4	8260B	mg/l	**0.08**	**0.000876**	**0.00382**	**NE**	**NE**	**NE**	*<0.00100*		0.000136	0.001	*<0.00100*		0.000136	0.001	*<0.00200*		0.000272	0.002
BROMOFORM	75-25-2	8260B	mg/l	**0.08**	**0.117**	**0.51**	**NE**	**NE**	**NE**	<0.00100		0.000129	0.001	<0.00100		0.000129	0.001	<0.00200		0.000258	0.002
BROMOMETHANE	74-83-9	8260B	mg/l	**NE**	**0.0174**	**0.073**	**NE**	**NE**	**NE**	<0.00500		0.000605	0.005	<0.00500		0.000605	0.005	<0.0100		0.00121	0.01
N-BUTYLBENZENE	104-51-8	8260B	mg/l	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	<0.00100		0.000157	0.001	<0.00100		0.000157	0.001	<0.00200		0.000314	0.002
SEC-BUTYLBENZENE	135-98-8	8260B	mg/l	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	<0.00100		0.000125	0.001	**0.000218**	J	0.000125	0.001	<0.00200		0.00025	0.002
TERT-BUTYLBENZENE	98-06-6	8260B	mg/l	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	<0.00100		0.000127	0.001	<0.00100		0.000127	0.001	<0.00200		0.000254	0.002
CARBON TETRACHLORIDE	56-23-5	8260B	mg/l	**0.005**	**0.000415**	**0.00181**	**NE**	**NE**	**0.005**	*<0.00100*		0.000128	0.001	*<0.00100*		0.000128	0.001	*<0.00200*		0.000256	0.002
CHLOROBENZENE	108-90-7	8260B	mg/l	**0.1**	**0.41**	**1.72**	**NE**	**NE**	**0.1**	<0.00100		0.000116	0.001	<0.00100		0.000116	0.001	<0.00200		0.000232	0.002
CHLORODIBROMOMETHANE	124-48-1	8260B	mg/l	**0.08**	**NE**	**NE**	**NE**	**NE**	**NE**	<0.00100		0.00014	0.001	<0.00100		0.00014	0.001	<0.00200		0.00028	0.002
CHLOROETHANE	75-00-3	8260B	mg/l	**NE**	**23**	**96.5**	**NE**	**NE**	**NE**	<0.00500		0.000192	0.005	<0.00500		0.000192	0.005	<0.0100		0.000384	0.01
2-CHLOROETHYL VINYL ETHER	110-75-8	8260B	mg/l	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	<0.0500		0.000575	0.05	<0.0500		0.000575	0.05	<0.100		0.00115	0.1
CHLOROFORM	67-66-3	8260B	mg/l	**0.08**	**0.000814**	**0.00355**	**NE**	**NE**	**NE**	**0.000514**	B J	0.000111	0.005	*<0.00500*		0.000111	0.005	**0.000588**	J	0.000222	0.01
CHLOROMETHANE	74-87-3	8260B	mg/l	**NE**	**0.26**	**1.09**	**NE**	**NE**	**NE**	<0.00250		0.00096	0.003	<0.00250		0.00096	0.003	<0.00500		0.00192	0.005
2-CHLOROTOLUENE	95-49-8	8260B	mg/l	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	<0.00100		0.000106	0.001	<0.00100		0.000106	0.001	<0.00200		0.000212	0.002
4-CHLOROTOLUENE	106-43-4	8260B	mg/l	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	<0.00100		0.000114	0.001	<0.00100		0.000114	0.001	<0.00200		0.000228	0.002
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	8260B	mg/l	**0.0002**	**0.0000281**	**0.00034**	**NE**	**NE**	**0.0002**	*<0.00500*		0.000276	0.005	*<0.00500*		0.000276	0.005	*<0.0100*		0.000552	0.01
1,2-DIBROMOETHANE	106-93-4	8260B	mg/l	**0.00005**	**0.000176**	**0.000769**	**NE**	**NE**	**0.00005**	*<0.00100*		0.000126	0.001	*<0.00100*		0.000126	0.001	*<0.00200*		0.000252	0.002
DIBROMOMETHANE	74-95-3	8260B	mg/l	**NE**	**0.124**	**0.521**	**NE**	**NE**	**NE**	<0.00100		0.000122	0.001	<0.00100		0.000122	0.001	<0.00200		0.000244	0.002
1,2-DICHLOROBENZENE	95-50-1	8260B	mg/l	**0.6**	**2.66**	**11.2**	**NE**	**NE**	**0.6**	<0.00100		0.000107	0.001	<0.00100		0.000107	0.001	<0.00200		0.000214	0.002
1,3-DICHLOROBENZENE	541-73-1	8260B	mg/l	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	<0.00100		0.00011	0.001	<0.00100		0.00011	0.001	<0.00200		0.00022	0.002
1,4-DICHLOROBENZENE	106-46-7	8260B	mg/l	**0.075**	**0.00259**	**0.0113**	**NE**	**NE**	**0.075**	<0.00100		0.00012	0.001	<0.00100		0.00012	0.001	<0.00200		0.00024	0.002
DICHLORODIFLUOROMETHANE	75-71-8	8260B	mg/l	**NE**	**0.00744**	**0.0312**	**NE**	**NE**	**NE**	<0.00500		0.000374	0.005	<0.00500		0.000374	0.005	*<0.0100*		0.000748	0.01
1,1-DICHLOROETHANE	75-34-3	8260B	mg/l	**NE**	**0.00764**	**0.0334**	**NE**	**NE**	**NE**	<0.00100		0.0001	0.001	<0.00100		0.0001	0.001	<0.00200		0.0002	0.002
1,2-DICHLOROETHANE	107-06-2	8260B	mg/l	**0.005**	**0.00224**	**0.00978**	**NE**	**NE**	**0.005**	<0.00100		0.0000819	0.001	<0.00100		0.0000819	0.001	<0.00200		0.000164	0.002
1,1-DICHLOROETHENE	75-35-4	8260B	mg/l	**0.007**	**0.195**	**0.821**	**NE**	**NE**	**0.007**	<0.00100		0.000188	0.001	<0.00100		0.000188	0.001	<0.00200		0.000376	0.002
CIS-1,2-DICHLOROETHENE	156-59-2	8260B	mg/l	**0.07**	**NE**	**NE**	**NE**	**NE**	**0.07**	<0.00100		0.000126	0.001	<0.00100		0.000126	0.001	<0.00200		0.000252	0.002
TRANS-1,2-DICHLOROETHENE	156-60-5	8260B	mg/l	**0.1**	**0.109**	**0.457**	**NE**	**NE**	**0.1**	<0.00100		0.000149	0.001	<0.00100		0.000149	0.001	<0.00200		0.000298	0.002
1,2-DICHLOROPROPANE	78-87-5	8260B	mg/l	**0.005**	**0.00658**	**0.0287**	**NE**	**NE**	**0.005**	<0.00100		0.000149	0.001	<0.00100		0.000149	0.001	<0.00200		0.000298	0.002
1,1-DICHLOROPROPENE	563-58-6	8260B	mg/l	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	<0.00100		0.000142	0.001	<0.00100		0.000142	0.001	<0.00200		0.000284	0.002
1,3-DICHLOROPROPANE	142-28-9	8260B	mg/l	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	<0.00100		0.00011	0.001	<0.00100		0.00011	0.001	<0.00200		0.00022	0.002
CIS-1,3-DICHLOROPROPENE	10061-01-5	8260B	mg/l	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	<0.00100		0.000111	0.001	<0.00100		0.000111	0.001	<0.00200		0.000222	0.002

Table C3 - VOCs and Petroleum Hydrocarbons in Groundwater
Bonanza Park Phase II ESA - 1665 Bonanza Drive, Park City, Utah
Terracon Project No. 61237186 Task 4.11

Lab Sample ID										L1699664-01				L1699664-02				L1699664-03			
Client Sample ID										B-1 GW				B-2 GW				B-4 GW			
Date Collected										01/24/2024				01/24/2024				01/23/2024			
Analyte	**CAS**	**Method**	**Units**	**MCL**	**VISL Residential**	**VISL Commercial**	**ISL**	**Tier 1**	**UGWQS**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**
TRANS-1,3-DICHLOROPROPENE	10061-02-6	8260B	mg/l	NE	NE	NE	NE	NE	NE	<0.00100		0.000118	0.001	<0.00100		0.000118	0.001	<0.00200		0.000236	0.002
2,2-DICHLOROPROPANE	594-20-7	8260B	mg/l	NE	NE	NE	NE	NE	NE	<0.00100		0.000161	0.001	<0.00100		0.000161	0.001	<0.00200		0.000322	0.002
DI-ISOPROPYL ETHER	108-20-3	8260B	mg/l	NE	6.97	29.3	NE	NE	NE	<0.00100		0.000105	0.001	<0.00100		0.000105	0.001	<0.00200		0.00021	0.002
ETHYLBENZENE	100-41-4	8260B	mg/l	0.7	0.00349	0.0152	0.7	4	0.7	<0.00100		0.000137	0.001	<0.00100		0.000137	0.001	<0.00200		0.000274	0.002
HEXACHLORO-1,3-BUTADIENE	87-68-3	8260B	mg/l	NE	0.000303	0.00132	NE	NE	NE	*<0.00100*		0.000337	0.001	*<0.00100*		0.000337	0.001	*<0.00200*		0.000674	0.002
ISOPROPYLBENZENE	98-82-8	8260B	mg/l	NE	0.887	3.73	NE	NE	NE	<0.00100		0.000105	0.001	**0.000275**	J	0.000105	0.001	<0.00200		0.00021	0.002
P-ISOPROPYLTOLUENE	99-87-6	8260B	mg/l	NE	NE	NE	NE	NE	NE	<0.00100		0.00012	0.001	<0.00100		0.00012	0.001	<0.00200		0.00024	0.002
2-BUTANONE (MEK)	78-93-3	8260B	mg/l	NE	2240	9410	NE	NE	NE	<0.0100		0.00119	0.01	**0.0062**	J	0.00119	0.01	<0.0200		0.00238	0.02
METHYLENE CHLORIDE	75-09-2	8260B	mg/l	0.005	0.763	9.23	NE	NE	0.005	<0.00500		0.00043	0.005	<0.00500		0.00043	0.005	<0.0100		0.00086	0.01
4-METHYL-2-PENTANONE (MIBK)	108-10-1	8260B	mg/l	NE	555	2330	NE	NE	NE	<0.0100		0.000478	0.01	<0.0100		0.000478	0.01	<0.0200		0.000956	0.02
METHYL TERT-BUTYL ETHER	1634-04-4	8260B	mg/l	NE	0.45	1.97	0.2	0.2	NE	<0.00100		0.000101	0.001	<0.00100		0.000101	0.001	<0.00200		0.000202	0.002
NAPHTHALENE	91-20-3	8260B	mg/l	NE	0.00459	0.0201	0.7	0.7	NE	*<0.00500*		0.001	0.005	*<0.00500*		0.001	0.005	*<0.0100*		0.002	0.01
N-PROPYLBENZENE	103-65-1	8260B	mg/l	NE	2.43	10.2	NE	NE	NE	<0.00100		0.0000993	0.001	<0.00100		0.0000993	0.001	<0.00200		0.000199	0.002
STYRENE	100-42-5	8260B	mg/l	0.1	9.28	39	NE	NE	0.1	<0.00100		0.000118	0.001	<0.00100		0.000118	0.001	<0.00200		0.000236	0.002
1,1,1,2-TETRACHLOROETHANE	630-20-6	8260B	mg/l	NE	0.00371	0.0162	NE	NE	NE	<0.00100		0.000147	0.001	<0.00100		0.000147	0.001	<0.00200		0.000294	0.002
1,1,2,2-TETRACHLOROETHANE	79-34-5	8260B	mg/l	NE	0.00323	0.0141	NE	NE	NE	<0.00100		0.000133	0.001	<0.00100		0.000133	0.001	<0.00200		0.000266	0.002
1,1,2-TRICHLOROTRIFLUOROETHANE	76-13-1	8260B	mg/l	NE	0.242	1.02	NE	NE	NE	<0.00100	J4	0.00018	0.001	<0.00100		0.00018	0.001	<0.00200		0.00036	0.002
TETRACHLOROETHENE	127-18-4	8260B	mg/l	0.005	0.0149	0.0652	NE	NE	0.005	<0.00100		0.0003	0.001	<0.00100		0.0003	0.001	<0.00200		0.0006	0.002
TOLUENE	108-88-3	8260B	mg/l	1	19.2	80.7	1	3	1	<0.00100		0.000278	0.001	<0.00100		0.000278	0.001	<0.00200		0.000556	0.002
1,2,3-TRICHLOROBENZENE	87-61-6	8260B	mg/l	NE	NE	NE	NE	NE	NE	<0.00100		0.00023	0.001	<0.00100		0.00023	0.001	<0.00200		0.00046	0.002
1,2,4-TRICHLOROBENZENE	120-82-1	8260B	mg/l	0.07	0.0359	0.151	NE	NE	0.07	<0.00100		0.000481	0.001	<0.00100		0.000481	0.001	<0.00200		0.000962	0.002
1,1,1-TRICHLOROETHANE	71-55-6	8260B	mg/l	0.2	7.42	31.1	NE	NE	0.2	<0.00100		0.000149	0.001	<0.00100		0.000149	0.001	<0.00200		0.000298	0.002
1,1,2-TRICHLOROETHANE	79-00-5	8260B	mg/l	0.005	0.00521	0.0228	NE	NE	0.005	<0.00100		0.000158	0.001	<0.00100		0.000158	0.001	<0.00200		0.000316	0.002
TRICHLOROETHENE	79-01-6	8260B	mg/l	0.005	0.00119	0.00743	NE	NE	0.005	**0.000569**	J	0.00019	0.001	**0.000525**	J	0.00019	0.001	*<0.00200*		0.00038	0.002
TRICHLOROFLUOROMETHANE	75-69-4	8260B	mg/l	NE	NE	NE	NE	NE	NE	<0.00500		0.00016	0.005	<0.00500		0.00016	0.005	<0.0100		0.00032	0.01
1,2,3-TRICHLOROPROPANE	96-18-4	8260B	mg/l	NE	0.0223	0.0937	NE	NE	NE	<0.00250		0.000237	0.003	<0.00250		0.000237	0.003	<0.00500		0.000474	0.005
1,2,4-TRIMETHYLBENZENE	95-63-6	8260B	mg/l	NE	0.248	1.04	NE	NE	NE	<0.00100		0.000322	0.001	<0.00100		0.000322	0.001	<0.00200		0.000644	0.002
1,2,3-TRIMETHYLBENZENE	526-73-8	8260B	mg/l	NE	0.351	1.47	NE	NE	NE	<0.00100		0.000104	0.001	<0.00100		0.000104	0.001	<0.00200		0.000208	0.002

Table C3 - VOCs and Petroleum Hydrocarbons in Groundwater
Bonanza Park Phase II ESA - 1665 Bonanza Drive, Park City, Utah
Terracon Project No. 61237186 Task 4.11

Lab Sample ID										L1699664-01				L1699664-02				L1699664-03			
Client Sample ID										B-1 GW				B-2 GW				B-4 GW			
Date Collected										01/24/2024				01/24/2024				01/23/2024			
Analyte	**CAS**	**Method**	**Units**	**MCL**	**VISL Residential**	**VISL Commercial**	**ISL**	**Tier 1**	**UGWQS**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**
1,3,5-TRIMETHYLBENZENE	108-67-8	8260B	mg/l	**NE**	**0.175**	**0.733**	**NE**	**NE**	**NE**	<0.00100		0.000104	0.001	<0.00100		0.000104	0.001	<0.00200		0.000208	0.002
VINYL CHLORIDE	75-01-4	8260B	mg/l	**0.002**	**0.000147**	**0.00245**	**NE**	**NE**	**0.002**	*<0.00100*		0.000234	0.001	*<0.00100*		0.000234	0.001	*<0.00200*		0.000468	0.002
XYLENES, TOTAL	1330-20-7	8260B	mg/l	**10**	**0.385**	**1.62**	**10**	**10**	**10**	<0.00300		0.000174	0.003	<0.00300		0.000174	0.003	<0.00600		0.000348	0.006

Qualifiers (Q):

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

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

J4: The sample matrix interfered with the ability to make any accurate determination; spike value is high.

EPA VISL: Target Groundwater Concentration (TGC) Vapor Intrusion Screening Level (VISL); April 2023.

EPA RSL: Environmental Protection Agency Regional Screening level for drinking water (April 2023).

EPA MCL: Environmental Protection Agency Maximum Contaminant Level for drinking water (May 2023).

UDEQ: Utah Department of Environmental Quality's Initial Screening Levels (ISLs) and risk-based Tier 1 Screening Levels (Tier 1) for petroleum hydrocarbons in groundwater at underground storage tank sites.

UGWQS: Utah Ground Water Quality Standards.

NE: Not Established. **<:** Less than Reported Detection Limit (RDL). **mg/l:** Milligrams per liter.

Bold value exceeds Method Detection Limit (MDL). Color shaded value exceeds screening level.

Blue italicized non-detect results (e.g., *<0.0100*) exceed one or more of the screening levels.

Table C3 - VOCs and Petroleum Hydrocarbons in Groundwater
Bonanza Park Phase II ESA - 1665 Bonanza Drive, Park City, Utah
Terracon Project No. 61237186 Task 4.11

Lab Sample ID										L1699664-04				L1699664-05				L1699664-06			
Client Sample ID										B-5 GW				B-114 GW				TRIP BLANK			
Date Collected										01/24/2024				01/23/2024				01/24/2024			
Analyte	**CAS**	**Method**	**Units**	**MCL**	**VISL Residential**	**VISL Commercial**	**ISL**	**Tier 1**	**UGWQS**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**
TPH - OIL & GREASE	NE	1664A	mg/l	NE	NE	NE	10	10	NE	<5.29		0.767	5.29	<5.32		0.771	5.32				
TPH-DRO	68334-30-5	3511/8015	mg/l	NE	NE	NE	1	10	NE	**0.21**		0.0494	0.2	**0.0883**	J	0.0566	0.229				
TPH-GRO	8006-61-9	8260B	mg/l	NE	NE	NE	NE	NE	NE	<0.500		0.108	0.5	<1.00		0.216	1	<0.500		0.108	0.5
ACETONE	67-64-1	8260B	mg/l	NE	22500	94500	NE	NE	NE	<0.0500		0.0113	0.05	<0.100		0.0226	0.1	<0.0500		0.0113	0.05
ACROLEIN	107-02-8	8260B	mg/l	NE	0.00418	0.0176	NE	NE	NE	*<0.0500*	J4	0.00254	0.05	*<0.100*	J4	0.00508	0.1	*<0.0500*	J4	0.00254	0.05
ACRYLONITRILE	107-13-1	8260B	mg/l	NE	0.00732	0.032	NE	NE	NE	*<0.0100*		0.000671	0.01	*<0.0200*		0.00134	0.02	*<0.0100*		0.000671	0.01
BENZENE	71-43-2	8260B	mg/l	0.005	0.00159	0.00693	0.005	0.3	0.005	**0.0000957**	J	0.0000941	0.001	*<0.00200*		0.000188	0.002	<0.00100		0.0000941	0.001
BROMOBENZENE	108-86-1	8260B	mg/l	NE	0.62	2.6	NE	NE	NE	<0.00100		0.000118	0.001	<0.00200		0.000236	0.002	<0.00100		0.000118	0.001
BROMODICHLOROMETHANE	75-27-4	8260B	mg/l	0.08	0.000876	0.00382	NE	NE	NE	*<0.00100*		0.000136	0.001	*<0.00200*		0.000272	0.002	*<0.00100*		0.000136	0.001
BROMOFORM	75-25-2	8260B	mg/l	0.08	0.117	0.51	NE	NE	NE	<0.00100		0.000129	0.001	<0.00200		0.000258	0.002	<0.00100		0.000129	0.001
BROMOMETHANE	74-83-9	8260B	mg/l	NE	0.0174	0.073	NE	NE	NE	<0.00500		0.000605	0.005	<0.0100		0.00121	0.01	<0.00500		0.000605	0.005
N-BUTYLBENZENE	104-51-8	8260B	mg/l	NE	NE	NE	NE	NE	NE	<0.00100		0.000157	0.001	<0.00200		0.000314	0.002	<0.00100		0.000157	0.001
SEC-BUTYLBENZENE	135-98-8	8260B	mg/l	NE	NE	NE	NE	NE	NE	<0.00100		0.000125	0.001	<0.00200		0.00025	0.002	<0.00100		0.000125	0.001
TERT-BUTYLBENZENE	98-06-6	8260B	mg/l	NE	NE	NE	NE	NE	NE	<0.00100		0.000127	0.001	<0.00200		0.000254	0.002	<0.00100		0.000127	0.001
CARBON TETRACHLORIDE	56-23-5	8260B	mg/l	0.005	0.000415	0.00181	NE	NE	0.005	*<0.00100*		0.000128	0.001	*<0.00200*		0.000256	0.002	*<0.00100*		0.000128	0.001
CHLOROBENZENE	108-90-7	8260B	mg/l	0.1	0.41	1.72	NE	NE	0.1	<0.00100		0.000116	0.001	<0.00200		0.000232	0.002	<0.00100		0.000116	0.001
CHLORODIBROMOMETHANE	124-48-1	8260B	mg/l	0.08	NE	NE	NE	NE	NE	<0.00100		0.00014	0.001	<0.00200		0.00028	0.002	<0.00100		0.00014	0.001
CHLOROETHANE	75-00-3	8260B	mg/l	NE	23	96.5	NE	NE	NE	<0.00500		0.000192	0.005	<0.0100		0.000384	0.01	<0.00500		0.000192	0.005
2-CHLOROETHYL VINYL ETHER	110-75-8	8260B	mg/l	NE	NE	NE	NE	NE	NE	<0.0500		0.000575	0.05	<0.100		0.00115	0.1	<0.0500		0.000575	0.05
CHLOROFORM	67-66-3	8260B	mg/l	0.08	0.000814	0.00355	NE	NE	NE	**0.000883**	J	0.000111	0.005	**0.000549**	J	0.000222	0.01	*<0.00500*		0.000111	0.005
CHLOROMETHANE	74-87-3	8260B	mg/l	NE	0.26	1.09	NE	NE	NE	<0.00250		0.00096	0.003	<0.00500		0.00192	0.005	<0.00250		0.00096	0.003
2-CHLOROTOLUENE	95-49-8	8260B	mg/l	NE	NE	NE	NE	NE	NE	<0.00100		0.000106	0.001	<0.00200		0.000212	0.002	<0.00100		0.000106	0.001
4-CHLOROTOLUENE	106-43-4	8260B	mg/l	NE	NE	NE	NE	NE	NE	<0.00100		0.000114	0.001	<0.00200		0.000228	0.002	<0.00100		0.000114	0.001
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	8260B	mg/l	0.0002	0.0000281	0.00034	NE	NE	0.0002	*<0.00500*		0.000276	0.005	*<0.0100*		0.000552	0.01	*<0.00500*		0.000276	0.005
1,2-DIBROMOETHANE	106-93-4	8260B	mg/l	0.00005	0.000176	0.000769	NE	NE	0.00005	*<0.00100*		0.000126	0.001	*<0.00200*		0.000252	0.002	*<0.00100*		0.000126	0.001
DIBROMOMETHANE	74-95-3	8260B	mg/l	NE	0.124	0.521	NE	NE	NE	<0.00100		0.000122	0.001	<0.00200		0.000244	0.002	<0.00100		0.000122	0.001
1,2-DICHLOROBENZENE	95-50-1	8260B	mg/l	0.6	2.66	11.2	NE	NE	0.6	<0.00100		0.000107	0.001	<0.00200		0.000214	0.002	<0.00100		0.000107	0.001
1,3-DICHLOROBENZENE	541-73-1	8260B	mg/l	NE	NE	NE	NE	NE	NE	<0.00100		0.00011	0.001	<0.00200		0.00022	0.002	<0.00100		0.00011	0.001
1,4-DICHLOROBENZENE	106-46-7	8260B	mg/l	0.075	0.00259	0.0113	NE	NE	0.075	<0.00100		0.00012	0.001	<0.00200		0.00024	0.002	<0.00100		0.00012	0.001
DICHLORODIFLUOROMETHANE	75-71-8	8260B	mg/l	NE	0.00744	0.0312	NE	NE	NE	<0.00500		0.000374	0.005	*<0.0100*		0.000748	0.01	<0.00500		0.000374	0.005
1,1-DICHLOROETHANE	75-34-3	8260B	mg/l	NE	0.00764	0.0334	NE	NE	NE	<0.00100		0.0001	0.001	<0.00200		0.0002	0.002	<0.00100		0.0001	0.001
1,2-DICHLOROETHANE	107-06-2	8260B	mg/l	0.005	0.00224	0.00978	NE	NE	0.005	<0.00100		0.0000819	0.001	<0.00200		0.000164	0.002	<0.00100		0.0000819	0.001
1,1-DICHLOROETHENE	75-35-4	8260B	mg/l	0.007	0.195	0.821	NE	NE	0.007	<0.00100		0.000188	0.001	<0.00200		0.000376	0.002	<0.00100		0.000188	0.001
CIS-1,2-DICHLOROETHENE	156-59-2	8260B	mg/l	0.07	NE	NE	NE	NE	0.07	<0.00100		0.000126	0.001	<0.00200		0.000252	0.002	<0.00100		0.000126	0.001
TRANS-1,2-DICHLOROETHENE	156-60-5	8260B	mg/l	0.1	0.109	0.457	NE	NE	0.1	<0.00100		0.000149	0.001	<0.00200		0.000298	0.002	<0.00100		0.000149	0.001
1,2-DICHLOROPROPANE	78-87-5	8260B	mg/l	0.005	0.00658	0.0287	NE	NE	0.005	<0.00100		0.000149	0.001	<0.00200		0.000298	0.002	<0.00100		0.000149	0.001
1,1-DICHLOROPROPENE	563-58-6	8260B	mg/l	NE	NE	NE	NE	NE	NE	<0.00100		0.000142	0.001	<0.00200		0.000284	0.002	<0.00100		0.000142	0.001
1,3-DICHLOROPROPANE	142-28-9	8260B	mg/l	NE	NE	NE	NE	NE	NE	<0.00100		0.00011	0.001	<0.00200		0.00022	0.002	<0.00100		0.00011	0.001
CIS-1,3-DICHLOROPROPENE	10061-01-5	8260B	mg/l	NE	NE	NE	NE	NE	NE	<0.00100		0.000111	0.001	<0.00200		0.000222	0.002	<0.00100		0.000111	0.001

Table C3 - VOCs and Petroleum Hydrocarbons in Groundwater
Bonanza Park Phase II ESA - 1665 Bonanza Drive, Park City, Utah
Terracon Project No. 61237186 Task 4.11

Lab Sample ID										L1699664-04				L1699664-05				L1699664-06			
Client Sample ID										B-5 GW				B-114 GW				TRIP BLANK			
Date Collected										01/24/2024				01/23/2024				01/24/2024			
Analyte	**CAS**	**Method**	**Units**	**MCL**	**VISL Residential**	**VISL Commercial**	**ISL**	**Tier 1**	**UGWQS**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**
TRANS-1,3-DICHLOROPROPENE	10061-02-6	8260B	mg/l	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	<0.00100		0.000118	0.001	<0.00200		0.000236	0.002	<0.00100		0.000118	0.001
2,2-DICHLOROPROPANE	594-20-7	8260B	mg/l	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	<0.00100		0.000161	0.001	<0.00200		0.000322	0.002	<0.00100		0.000161	0.001
DI-ISOPROPYL ETHER	108-20-3	8260B	mg/l	**NE**	**6.97**	**29.3**	**NE**	**NE**	**NE**	<0.00100		0.000105	0.001	<0.00200		0.00021	0.002	<0.00100		0.000105	0.001
ETHYLBENZENE	100-41-4	8260B	mg/l	**0.7**	**0.00349**	**0.0152**	**0.7**	**4**	**0.7**	<0.00100		0.000137	0.001	<0.00200		0.000274	0.002	<0.00100		0.000137	0.001
HEXACHLORO-1,3-BUTADIENE	87-68-3	8260B	mg/l	**NE**	**0.000303**	**0.00132**	**NE**	**NE**	**NE**	*<0.00100*		0.000337	0.001	*<0.00200*		0.000674	0.002	*<0.00100*		0.000337	0.001
ISOPROPYLBENZENE	98-82-8	8260B	mg/l	**NE**	**0.887**	**3.73**	**NE**	**NE**	**NE**	<0.00100		0.000105	0.001	<0.00200		0.00021	0.002	<0.00100		0.000105	0.001
P-ISOPROPYLTOLUENE	99-87-6	8260B	mg/l	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	<0.00100		0.00012	0.001	<0.00200		0.00024	0.002	<0.00100		0.00012	0.001
2-BUTANONE (MEK)	78-93-3	8260B	mg/l	**NE**	**2240**	**9410**	**NE**	**NE**	**NE**	<0.0100		0.00119	0.01	<0.0200		0.00238	0.02	<0.0100		0.00119	0.01
METHYLENE CHLORIDE	75-09-2	8260B	mg/l	**0.005**	**0.763**	**9.23**	**NE**	**NE**	**0.005**	<0.00500		0.00043	0.005	<0.0100		0.00086	0.01	**0.000536**	J	0.00043	0.005
4-METHYL-2-PENTANONE (MIBK)	108-10-1	8260B	mg/l	**NE**	**555**	**2330**	**NE**	**NE**	**NE**	<0.0100		0.000478	0.01	<0.0200		0.000956	0.02	<0.0100		0.000478	0.01
METHYL TERT-BUTYL ETHER	1634-04-4	8260B	mg/l	**NE**	**0.45**	**1.97**	**0.2**	**0.2**	**NE**	<0.00100		0.000101	0.001	<0.00200		0.000202	0.002	<0.00100		0.000101	0.001
NAPHTHALENE	91-20-3	8260B	mg/l	**NE**	**0.00459**	**0.0201**	**0.7**	**0.7**	**NE**	*<0.00500*		0.001	0.005	*<0.0100*		0.002	0.01	*<0.00500*		0.001	0.005
N-PROPYLBENZENE	103-65-1	8260B	mg/l	**NE**	**2.43**	**10.2**	**NE**	**NE**	**NE**	<0.00100		0.0000993	0.001	<0.00200		0.000199	0.002	<0.00100		0.0000993	0.001
STYRENE	100-42-5	8260B	mg/l	**0.1**	**9.28**	**39**	**NE**	**NE**	**0.1**	<0.00100		0.000118	0.001	<0.00200		0.000236	0.002	<0.00100		0.000118	0.001
1,1,1,2-TETRACHLOROETHANE	630-20-6	8260B	mg/l	**NE**	**0.00371**	**0.0162**	**NE**	**NE**	**NE**	<0.00100		0.000147	0.001	<0.00200		0.000294	0.002	<0.00100		0.000147	0.001
1,1,2,2-TETRACHLOROETHANE	79-34-5	8260B	mg/l	**NE**	**0.00323**	**0.0141**	**NE**	**NE**	**NE**	<0.00100		0.000133	0.001	<0.00200		0.000266	0.002	<0.00100		0.000133	0.001
1,1,2-TRICHLOROTRIFLUOROETHANE	76-13-1	8260B	mg/l	**NE**	**0.242**	**1.02**	**NE**	**NE**	**NE**	<0.00100		0.00018	0.001	<0.00200		0.00036	0.002	<0.00100		0.00018	0.001
TETRACHLOROETHENE	127-18-4	8260B	mg/l	**0.005**	**0.0149**	**0.0652**	**NE**	**NE**	**0.005**	<0.00100		0.0003	0.001	<0.00200		0.0006	0.002	<0.00100		0.0003	0.001
TOLUENE	108-88-3	8260B	mg/l	**1**	**19.2**	**80.7**	**1**	**3**	**1**	<0.00100		0.000278	0.001	<0.00200		0.000556	0.002	**0.000486**	J	0.000278	0.001
1,2,3-TRICHLOROBENZENE	87-61-6	8260B	mg/l	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	<0.00100		0.00023	0.001	<0.00200		0.00046	0.002	<0.00100		0.00023	0.001
1,2,4-TRICHLOROBENZENE	120-82-1	8260B	mg/l	**0.07**	**0.0359**	**0.151**	**NE**	**NE**	**0.07**	<0.00100		0.000481	0.001	<0.00200		0.000962	0.002	<0.00100		0.000481	0.001
1,1,1-TRICHLOROETHANE	71-55-6	8260B	mg/l	**0.2**	**7.42**	**31.1**	**NE**	**NE**	**0.2**	<0.00100		0.000149	0.001	<0.00200		0.000298	0.002	<0.00100		0.000149	0.001
1,1,2-TRICHLOROETHANE	79-00-5	8260B	mg/l	**0.005**	**0.00521**	**0.0228**	**NE**	**NE**	**0.005**	<0.00100		0.000158	0.001	<0.00200		0.000316	0.002	<0.00100		0.000158	0.001
TRICHLOROETHENE	79-01-6	8260B	mg/l	**0.005**	**0.00119**	**0.00743**	**NE**	**NE**	**0.005**	**0.00233**		0.00019	0.001	*<0.00200*		0.00038	0.002	<0.00100		0.00019	0.001
TRICHLOROFLUOROMETHANE	75-69-4	8260B	mg/l	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	<0.00500		0.00016	0.005	<0.0100		0.00032	0.01	<0.00500		0.00016	0.005
1,2,3-TRICHLOROPROPANE	96-18-4	8260B	mg/l	**NE**	**0.0223**	**0.0937**	**NE**	**NE**	**NE**	<0.00250		0.000237	0.003	<0.00500		0.000474	0.005	<0.00250		0.000237	0.003
1,2,4-TRIMETHYLBENZENE	95-63-6	8260B	mg/l	**NE**	**0.248**	**1.04**	**NE**	**NE**	**NE**	<0.00100		0.000322	0.001	<0.00200		0.000644	0.002	<0.00100		0.000322	0.001
1,2,3-TRIMETHYLBENZENE	526-73-8	8260B	mg/l	**NE**	**0.351**	**1.47**	**NE**	**NE**	**NE**	<0.00100		0.000104	0.001	<0.00200		0.000208	0.002	<0.00100		0.000104	0.001

Table C3 - VOCs and Petroleum Hydrocarbons in Groundwater
Bonanza Park Phase II ESA - 1665 Bonanza Drive, Park City, Utah
Terracon Project No. 61237186 Task 4.11

Lab Sample ID										L1699664-04				L1699664-05				L1699664-06			
Client Sample ID										B-5 GW				B-114 GW				TRIP BLANK			
Date Collected										01/24/2024				01/23/2024				01/24/2024			
Analyte	**CAS**	**Method**	**Units**	**MCL**	**VISL Residential**	**VISL Commercial**	**ISL**	**Tier 1**	**UGWQS**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**	**Result**	**Q**	**MDL**	**RDL**
1,3,5-TRIMETHYLBENZENE	108-67-8	8260B	mg/l	**NE**	**0.175**	**0.733**	**NE**	**NE**	**NE**	<0.00100		0.000104	0.001	<0.00200		0.000208	0.002	<0.00100		0.000104	0.001
VINYL CHLORIDE	75-01-4	8260B	mg/l	**0.002**	**0.000147**	**0.00245**	**NE**	**NE**	**0.002**	*<0.00100*		0.000234	0.001	*<0.00200*		0.000468	0.002	*<0.00100*		0.000234	0.001
XYLENES, TOTAL	1330-20-7	8260B	mg/l	**10**	**0.385**	**1.62**	**10**	**10**	**10**	<0.00300		0.000174	0.003	<0.00600		0.000348	0.006	<0.00300		0.000174	0.003

Qualifiers (Q):

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

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

J4: The sample matrix interfered with the ability to make any accurate determination; spike value is high.

EPA VISL: Target Groundwater Concentration (TGC) Vapor Intrusion Screening Level (VISL); April 2023.

EPA RSL: Environmental Protection Agency Regional Screening level for drinking water (April 2023).

EPA MCL: Environmental Protection Agency Maximum Contaminant Level for drinking water (May 2023).

UDEQ: Utah Department of Environmental Quality's Initial Screening Levels (ISLs) and risk-based Tier 1 Screening Levels (Tier 1) for petroleum hydrocarbons in groundwater at underground storage tank sites.

UGWQS: Utah Ground Water Quality Standards.

NE: Not Established. **<:** Less than Reported Detection Limit (RDL). **mg/l:** Milligrams per liter.

Bold value exceeds Method Detection Limit (MDL). Color shaded value exceeds screening level.

Blue italicized non-detect results (e.g., *<0.0100*) exceed one or more of the screening levels.

Table C4.1 - Duplicate Pair–Metals in Soil
Bonanza Park Phase II ESA - 1665 Bonanza Drive, Park City, Utah
Terracon Project No. 61237186 Task 4.11

			Original Sample					Duplicate Sample							
Lab Sample ID			L1699664-11					L1699664-66							
Client Sample ID			B-2 @ 0.5					B-112 @ 0.5							
Date Collected			1/23/2024					1/23/2024							
Analyte	**Method**	**Units**	**Result**	**Q**	**High Limit**	**High Limit Type**	**Dilution Factor**	**Result**	**Q**	**High Limit**	**High Limit Type**	**Dilution Factor**	**Results ≥ 5 x RDL?**	**RPD**	**RPD Within +/- 50% for Soil?**
ARSENIC	6010B	mg/kg	11.9		2.19	RDL	1	4.02		2.17	RDL	1	No, Original results > 5 x RDL and Duplicate results < 5 x RDL, RPD not calculated. Field Duplicate pair not within control because the difference between the Original and Duplicate sample results was greater than 2 x RDL.		
BARIUM	6010B	mg/kg	117		0.548	RDL	1	87.7		0.543	RDL	1	Yes, RPD calculated	28.6%	Yes
CADMIUM	6010B	mg/kg	1.48		0.548	RDL	1	0.341	J	0.543	RDL	1	No, Original and Duplicate results < 5 x RDL, RPD not calculated. Field Duplicate pair not within control because the difference between the Original and Duplicate sample results was greater than 2 x RDL.		
CHROMIUM	6010B	mg/kg	12.9		1.1	RDL	1	9.43		1.09	RDL	1	Yes, RPD calculated	31.1%	Yes
LEAD	6010B	mg/kg	201		0.548	RDL	1	22.5		0.543	RDL	1	Yes, RPD calculated	159.7%	NO
MERCURY	7471A	mg/kg	0.11		0.0438	RDL	1	0.25		0.0434	RDL	1	No, Original results < 5 x RDL and Duplicate results > 5 x RDL, RPD not calculated. Field Duplicate pair not within control because the difference between the Original and Duplicate sample results was greater than 2 x RDL.		
SELENIUM	6010B	mg/kg	2.76		2.19	RDL	1	1.48	B J	2.17	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
SILVER	6010B	mg/kg	1.49		1.1	RDL	1	0.645	J	1.09	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		

			Original Sample					Duplicate Sample							
Lab Sample ID			L1699664-12					L1699664-67							
Client Sample ID			B-2 @ 4					B-112 @ 4							
Date Collected			1/23/2024					1/23/2024							
Analyte	**Method**	**Units**	**Result**	**Q**	**High Limit**	**High Limit Type**	**Dilution Factor**	**Result**	**Q**	**High Limit**	**High Limit Type**	**Dilution Factor**	**Results ≥ 5 x RDL?**	**RPD**	**RPD Within +/- 50% for Soil?**
ARSENIC	6010B	mg/kg	21.8		2.18	RDL	1	17.3		2.17	RDL	1	Yes, RPD calculated	23.0%	Yes
BARIUM	6010B	mg/kg	73		0.546	RDL	1	76.8	O1	0.542	RDL	1	Yes, RPD calculated	5.1%	Yes
CADMIUM	6010B	mg/kg	1.48		0.546	RDL	1	1.52		0.542	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
CHROMIUM	6010B	mg/kg	29		1.09	RDL	1	28.4	O1	1.08	RDL	1	Yes, RPD calculated	2.1%	Yes
LEAD	6010B	mg/kg	225		0.546	RDL	1	219	J6 O1	0.542	RDL	1	Yes, RPD calculated	2.7%	Yes
MERCURY	7471A	mg/kg	0.0234	J	0.0437	RDL	1	0.0363	J	0.0434	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
SELENIUM	6010B	mg/kg	3.12		2.18	RDL	1	2.62	B	2.17	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
SILVER	6010B	mg/kg	ND		1.09	RDL	1	ND		1.08	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		

Table C4.1 - Duplicate Pair–Metals in Soil
Bonanza Park Phase II ESA - 1665 Bonanza Drive, Park City, Utah
Terracon Project No. 61237186 Task 4.11

			Original Sample					Duplicate Sample							
Lab Sample ID			L1699664-13					L1699664-69							
Client Sample ID			B-2 @ 6					B-112 @ 6							
Date Collected			1/23/2024					1/23/2024							
Analyte	**Method**	**Units**	**Result**	**Q**	**High Limit**	**High Limit Type**	**Dilution Factor**	**Result**	**Q**	**High Limit**	**High Limit Type**	**Dilution Factor**	**Results ≥ 5 x RDL?**	**RPD**	**RPD Within +/- 50% for Soil?**
ARSENIC	6010B	mg/kg	16.6		2.13	RDL	1	23.2		2.14	RDL	1	Yes, RPD calculated	33.2%	Yes
BARIUM	6010B	mg/kg	64.5		0.534	RDL	1	53.6		0.534	RDL	1	Yes, RPD calculated	18.5%	Yes
CADMIUM	6010B	mg/kg	0.788		0.534	RDL	1	0.816		0.534	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
CHROMIUM	6010B	mg/kg	26.3		1.07	RDL	1	34.1		1.07	RDL	1	Yes, RPD calculated	25.8%	Yes
LEAD	6010B	mg/kg	57.4		0.534	RDL	1	93.6		0.534	RDL	1	Yes, RPD calculated	47.9%	Yes
MERCURY	7471A	mg/kg	ND		0.0427	RDL	1	0.022	J	0.0427	RDL	1	No, Original results < RDL but Duplicate results < 5 x RDL. Field Duplicate pair within control because the difference between the Original and duplicate samples results (using 1/2 the RDL as a conservative estimate for ND) was less than 2 x RDL.		
SELENIUM	6010B	mg/kg	1.14	J	2.13	RDL	1	1.14	B J	2.14	RDL	1	No, Original and Duplicate results < 5 x RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample results was less than 2 x RDL.		
SILVER	6010B	mg/kg	ND		1.07	RDL	1	ND		1.07	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		

			Original Sample					Duplicate Sample							
Lab Sample ID			L1699664-19					L1699664-70							
Client Sample ID			B-4 @ 0.5					B-114 @ 0.5							
Date Collected			1/23/2024					1/24/2024							
Analyte	**Method**	**Units**	**Result**	**Q**	**High Limit**	**High Limit Type**	**Dilution Factor**	**Result**	**Q**	**High Limit**	**High Limit Type**	**Dilution Factor**	**Results ≥ 5 x RDL?**	**RPD**	**RPD Within +/- 50% for Soil?**
ARSENIC	6010B	mg/kg	5.72		2.12	RDL	1	4.24		2.11	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
BARIUM	6010B	mg/kg	41.9		0.53	RDL	1	16.7		0.529	RDL	1	Yes, RPD calculated	86.0%	NO
CADMIUM	6010B	mg/kg	0.103	J	0.53	RDL	1	ND		0.529	RDL	1	No, Original results < 5 x RDL but Duplicate results < RDL. Field Duplicate pair within control because the difference between the Original and duplicate samples results (using 1/2 the RDL as a conservative estimate for ND) was less than RDL.		
CHROMIUM	6010B	mg/kg	5.4		1.06	RDL	1	5		1.06	RDL	1	No, Original results > 5 x RDL and Duplicate results < 5 x RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample results was less than 2 x RDL.		
LEAD	6010B	mg/kg	5.13		0.53	RDL	1	4.84		0.529	RDL	1	Yes, RPD calculated	5.8%	Yes
MERCURY	7471A	mg/kg	ND		0.0424	RDL	1	ND		0.0423	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
SELENIUM	6010B	mg/kg	ND		2.12	RDL	1	1.11	B J	2.11	RDL	1	No, Original results < RDL but Duplicate results < 5 x RDL. Field Duplicate pair within control because the difference between the Original and duplicate samples results (using 1/2 the RDL as a conservative estimate for ND) was less than 2 x RDL.		
SILVER	6010B	mg/kg	2.49		1.06	RDL	1	2.49		1.06	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		

Table C4.1 - Duplicate Pair–Metals in Soil
Bonanza Park Phase II ESA - 1665 Bonanza Drive, Park City, Utah
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			Original Sample					Duplicate Sample							
Lab Sample ID			L1699664-37					L1699664-71							
Client Sample ID			B-9 @ 4					B-119 @ 4							
Date Collected			1/24/2024					1/24/2024							
Analyte	**Method**	**Units**	**Result**	**Q**	**High Limit**	**High Limit Type**	**Dilution Factor**	**Result**	**Q**	**High Limit**	**High Limit Type**	**Dilution Factor**	**Results ≥ 5 x RDL?**	**RPD**	**RPD Within +/- 50% for Soil?**
ARSENIC	6010B	mg/kg	528		2.5	RDL	1	295		2.41	RDL	1	Yes, RPD calculated	56.6%	NO
BARIUM	6010B	mg/kg	207		0.624	RDL	1	207		0.603	RDL	1	Yes, RPD calculated	0.0%	Yes
CADMIUM	6010B	mg/kg	36.3		0.624	RDL	1	33.3		0.603	RDL	1	Yes, RPD calculated	8.6%	Yes
CHROMIUM	6010B	mg/kg	26.2		1.25	RDL	1	26.7		1.21	RDL	1	Yes, RPD calculated	1.9%	Yes
LEAD	6010B	mg/kg	15700		3.12	RDL	1	9280		0.603	RDL	1	Yes, RPD calculated	51.4%	NO
MERCURY	7471A	mg/kg	286		9.99	RDL	1	133		4.82	RDL	1	Yes, RPD calculated	73.0%	NO
SELENIUM	6010B	mg/kg	7.06		2.5	RDL	1	4.66		2.41	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
SILVER	6010B	mg/kg	72.5		1.25	RDL	1	39.5		1.21	RDL	1	Yes, RPD calculated	58.9%	NO

			Original Sample					Duplicate Sample							
Lab Sample ID			L1699664-41					L1699664-72							
Client Sample ID			B-10 @ 5.5					B-110 @ 5.5							
Date Collected			1/25/2024					1/25/2024							
Analyte	**Method**	**Units**	**Result**	**Q**	**High Limit**	**High Limit Type**	**Dilution Factor**	**Result**	**Q**	**High Limit**	**High Limit Type**	**Dilution Factor**	**Results ≥ 5 x RDL?**	**RPD**	**RPD Within +/- 50% for Soil?**
ARSENIC	6010B	mg/kg	16.4		2.35	RDL	1	20.9		2.25	RDL	1	Yes, RPD calculated	24.1%	Yes
BARIUM	6010B	mg/kg	106		0.588	RDL	1	107		0.562	RDL	1	Yes, RPD calculated	0.9%	Yes
CADMIUM	6010B	mg/kg	0.32	J	0.588	RDL	1	0.354	J	0.562	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
CHROMIUM	6010B	mg/kg	28.1		1.18	RDL	1	29.1		1.12	RDL	1	Yes, RPD calculated	3.5%	Yes
LEAD	6010B	mg/kg	82.5		0.588	RDL	1	120		0.562	RDL	1	Yes, RPD calculated	37.0%	Yes
MERCURY	7471A	mg/kg	ND		0.047	RDL	1	0.0258	J	0.045	RDL	1	No, Original results < RDL but Duplicate results < 5 x RDL. Field Duplicate pair within control because the difference between the Original and duplicate samples results (using 1/2 the RDL as a conservative estimate for ND) was less than 2 x RDL.		
SELENIUM	6010B	mg/kg	1.38	J	2.35	RDL	1	ND		2.25	RDL	1	No, Original results < 5 x RDL but Duplicate results < RDL. Field Duplicate pair within control because the difference between the Original and duplicate samples results (using 1/2 the RDL as a conservative estimate for ND) was less than RDL.		
SILVER	6010B	mg/kg	0.475	J	1.18	RDL	1	0.518	J	1.12	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		

Qualifiers (Q):
J: The identification of the analyte is acceptable; the reported value is an estimate.
B: The same analyte is found in the associated blank.
J6: The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1: The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
mg/kg: Milligrams per kilogram.
RDL - Laboratory reported detection limit.
RPD - Relative Percent Difference was calculated when analyte concentrations are greater than or equal to five times the RDL. QA/QC RPD Goal is less than 50% for solid samples.
For analytes reported at concentrations less than five times the RDL, the QA/QC Goal is the difference between the sample and its duplicate is less than two times the RDL for solid samples.

Table 4.2 - Duplicate Pair–VOCs and Petroleum Hydrocarbons in Soils
Bonanza Park Phase II ESA - 1665 Bonanza Drive, Park City, Utah
Terracon Project No. 61237186 Task 4.11

	Original Sample	Duplicate Sample
Lab Sample ID	L1699664-14	L1699664-68
Client Sample ID	B-2 @ 33.5	B-112 @ 33.5
Date Collected	1/23/2024	1/23/2324

Analyte	Method	Units	Result	Q	High Limit	High Limit Type	Dilution Factor	Result	Q	High Limit	High Limit Type	Dilution Factor	Results ≥ 5 x RDL?	RPD	RPD Within +/- 50% for Soil?
TPH-GRO	8260B	mg/kg	ND		0.553	RDL	1	ND		0.544	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
TPH-DRO	8015	mg/kg	1.94	J	4.43	RDL	1	1.73	J	4.35	RDL	1	No, Original and Duplicate results < 5 x RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample results was less than 2 x RDL.		
TRPH	9071B	mg/kg	87.5	J	111	RDL	1	74.7	J	109	RDL	1	No, Original and Duplicate results < 5 x RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample results was less than 2 x RDL.		
1,1,1,2-TETRACHLOROETHANE	8260B	mg/kg	ND		0.0553	RDL	1	ND		0.0544	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
1,1,1-TRICHLOROETHANE	8260B	mg/kg	ND		0.0111	RDL	1	ND		0.0109	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
1,1,2,2-TETRACHLOROETHANE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
1,1,2-TRICHLOROETHANE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
1,1,2-TRICHLOROTRIFLUOROETHANE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
1,1-DICHLOROETHANE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
1,1-DICHLOROETHENE	8260B	mg/kg	ND		0.0055	RDL	1	ND		0.0054	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
1,1-DICHLOROPROPENE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
1,2,3-TRICHLOROBENZENE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
1,2,3-TRICHLOROPROPANE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
1,2,3-TRIMETHYLBENZENE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
1,2,4-TRICHLOROBENZENE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		

Table 4.2 - Duplicate Pair–VOCs and Petroleum Hydrocarbons in Soils
Bonanza Park Phase II ESA - 1665 Bonanza Drive, Park City, Utah
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1,2,4-TRIMETHYLBENZENE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
1,2-DIBROMO-3-CHLOROPROPANE	8260B	mg/kg	ND		0.0055	RDL	1	ND		0.0054	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
1,2-DIBROMOETHANE	8260B	mg/kg	ND		0.0055	RDL	1	ND		0.0054	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
1,2-DICHLOROBENZENE	8260B	mg/kg	ND		0.0028	RDL	1	ND		0.0027	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
1,2-DICHLOROETHANE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
1,2-DICHLOROPROPANE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
1,3,5-TRIMETHYLBENZENE	8260B	mg/kg	ND		0.0055	RDL	1	ND		0.0054	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
1,3-DICHLOROBENZENE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
1,3-DICHLOROPROPANE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
1,4-DICHLOROBENZENE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
2,2-DICHLOROPROPANE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
2-BUTANONE (MEK)	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
2-CHLOROTOLUENE	8260B	mg/kg	ND		0.0055	RDL	1	ND		0.0054	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
4-CHLOROTOLUENE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
4-METHYL-2-PENTANONE (MIBK)	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
ACETONE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		

Table 4.2 - Duplicate Pair–VOCs and Petroleum Hydrocarbons in Soils
Bonanza Park Phase II ESA - 1665 Bonanza Drive, Park City, Utah
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ACRYLONITRILE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
BENZENE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
BROMOBENZENE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
BROMODICHLOROMETHANE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
BROMOFORM	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
BROMOMETHANE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
CARBON TETRACHLORIDE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
CHLOROBENZENE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
CHLORODIBROMOMETHANE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
CHLOROETHANE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
CHLOROFORM	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
CHLOROMETHANE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
CIS-1,2-DICHLOROETHENE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
CIS-1,3-DICHLOROPROPENE	8260B	mg/kg	ND		0.0111	RDL	1	ND		0.0109	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
DIBROMOMETHANE	8260B	mg/kg	ND		0.0055	RDL	1	ND		0.0054	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
DICHLORODIFLUOROMETHANE	8260B	mg/kg	ND		0.0111	RDL	1	ND		0.0109	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
DI-ISOPROPYL ETHER	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		

Table 4.2 - Duplicate Pair–VOCs and Petroleum Hydrocarbons in Soils
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ETHYLBENZENE	8260B	mg/kg	ND		0.0055	RDL	1	ND		0.0054	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
HEXACHLORO-1,3-BUTADIENE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
ISOPROPYLBENZENE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
METHYL TERT-BUTYL ETHER	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
METHYLENE CHLORIDE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
NAPHTHALENE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
N-BUTYLBENZENE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
N-PROPYLBENZENE	8260B	mg/kg	ND		0.0055	RDL	1	ND		0.0054	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
P-ISOPROPYLTOLUENE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
SEC-BUTYLBENZENE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
STYRENE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
TERT-BUTYLBENZENE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
TETRACHLOROETHENE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
TOLUENE	8260B	mg/kg	ND		0.0055	RDL	1	ND		0.0054	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
TRANS-1,2-DICHLOROETHENE	8260B	mg/kg	ND		0.0028	RDL	1	ND		0.0027	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
TRANS-1,3-DICHLOROPROPENE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
TRICHLOROETHENE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
TRICHLOROFLUOROMETHANE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		

Table 4.2 - Duplicate Pair–VOCs and Petroleum Hydrocarbons in Soils
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VINYL CHLORIDE	8260B	mg/kg	ND		0.0011	RDL	1	ND		0.0011	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		
XYLENES, TOTAL	8260B	mg/kg	ND		0.0033	RDL	1	ND		0.0033	RDL	1	No, Original and Duplicate both < RDL. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than 2 x RDL.		

Qualifiers (Q):
J: The identification of the analyte is acceptable; the reported value is an estimate.
mg/kg: Milligrams per kilogram.
Bold value exceeds Method Detection Limit (MDL).
RDL - Laboratory reported detection limit.

TPH-GRO - Total Petroleum Hydrocarbons Gasoline Range Organics
TPH-DRO - Total Petroleum Hydrocarbons Diesel Range Organics
TRPH - Total Recoverable Petroleum Hydrocarbons
RPD - Relative Percent Difference was calculated when analyte concentrations are greater than or equal to five times the RDL. QA/QC RPD Goal is less than 50% for solid samples.
For analytes reported at concentrations less than five times the RDL, the QA/QC Goal is the difference between the sample and its duplicate is less than two times the RDL for solid samples.

Table C4.3 - Duplicate Pair–VOCs and Petroleum Hydrocarbons in Groundwater
Bonanza Park Phase II ESA - 1665 Bonanza Drive, Park City, Utah
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			Original Sample					Duplicate Sample							
Lab Sample ID			L1699664-03					L1699664-05							
Client Sample ID			B-4 GW					B-114 GW							
Date Collected			1/23/2024					1/23/2024							
Analyte	**Method**	**Units**	**Result**	**Q**	**High Limit**	**High Limit Type**	**Dilution Factor**	**Result**	**Q**	**High Limit**	**High Limit Type**	**Dilution Factor**	**Results ≥ 5 x RDL?**	**RPD**	**RPD Within +/- 25% for Groundwater?**
TPH-GRO	8260B	mg/l	ND		1	RDL	1	ND		1	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
TPH-DRO	8015	mg/l	0.182	J	0.229	RDL	1	0.0883	J	0.229	RDL	1	No, Original and Duplicate results < 5 x RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample results was less than RDL.		
TRPH	9071B	mg/l	ND		5.32	RDL	1	ND		5.32	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
ACETONE	8260B	mg/l	ND		0.1	RDL	1	ND		0.1	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
ACROLEIN	8260B	mg/l	ND	J4	0.1	RDL	1	ND	J4	0.1	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
ACRYLONITRILE	8260B	mg/l	ND		0.02	RDL	1	ND		0.02	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
BENZENE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
BROMOBENZENE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
BROMODICHLOROMETHANE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
BROMOFORM	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
BROMOMETHANE	8260B	mg/l	ND		0.01	RDL	1	ND		0.01	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
N-BUTYLBENZENE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
SEC-BUTYLBENZENE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		

Table C4.3 - Duplicate Pair–VOCs and Petroleum Hydrocarbons in Groundwater
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TERT-BUTYLBENZENE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
CARBON TETRACHLORIDE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
CHLOROBENZENE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
CHLORODIBROMOMETHANE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
CHLOROETHANE	8260B	mg/l	ND		0.01	RDL	1	ND		0.01	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
CHLOROFORM	8260B	mg/l	0.00059	J	0.01	RDL	1	0.000549	J	0.01	RDL	1	No, Original and Duplicate results < 5 x RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample results was less than RDL.		
CHLOROMETHANE	8260B	mg/l	ND		0.005	RDL	1	ND		0.005	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
2-CHLOROTOLUENE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
4-CHLOROTOLUENE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
1,2-DIBROMO-3-CHLOROPROPANE	8260B	mg/l	ND		0.01	RDL	1	ND		0.01	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
1,2-DIBROMOETHANE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
DIBROMOMETHANE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
1,2-DICHLOROBENZENE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
1,3-DICHLOROBENZENE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
1,4-DICHLOROBENZENE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
DICHLORODIFLUOROMETHANE	8260B	mg/l	ND		0.01	RDL	1	ND		0.01	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
1,1-DICHLOROETHANE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		

Table C4.3 - Duplicate Pair–VOCs and Petroleum Hydrocarbons in Groundwater
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1,2-DICHLOROETHANE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
1,1-DICHLOROETHENE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
CIS-1,2-DICHLOROETHENE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
TRANS-1,2-DICHLOROETHENE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
1,2-DICHLOROPROPANE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
1,1-DICHLOROPROPENE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
1,3-DICHLOROPROPANE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
CIS-1,3-DICHLOROPROPENE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
TRANS-1,3-DICHLOROPROPENE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
2,2-DICHLOROPROPANE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
DI-ISOPROPYL ETHER	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
ETHYLBENZENE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
HEXACHLORO-1,3-BUTADIENE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
ISOPROPYLBENZENE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
P-ISOPROPYLTOLUENE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
2-BUTANONE (MEK)	8260B	mg/l	ND		0.02	RDL	1	ND		0.02	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
METHYLENE CHLORIDE	8260B	mg/l	ND		0.01	RDL	1	ND		0.01	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		

Table C4.3 - Duplicate Pair–VOCs and Petroleum Hydrocarbons in Groundwater
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4-METHYL-2-PENTANONE (MIBK)	8260B	mg/l	ND		0.02	RDL	1	ND		0.02	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
METHYL TERT-BUTYL ETHER	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
NAPHTHALENE	8260B	mg/l	ND		0.01	RDL	1	ND		0.01	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
N-PROPYLBENZENE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
STYRENE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
1,1,1,2-TETRACHLOROETHANE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
1,1,2,2-TETRACHLOROETHANE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
1,1,2-TRICHLOROTRIFLUOROETHAN	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
TETRACHLOROETHENE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
TOLUENE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
1,2,3-TRICHLOROBENZENE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
1,2,4-TRICHLOROBENZENE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
1,1,1-TRICHLOROETHANE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
1,1,2-TRICHLOROETHANE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
TRICHLOROETHENE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
TRICHLOROFLUOROMETHANE	8260B	mg/l	ND		0.01	RDL	1	ND		0.01	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
1,2,3-TRICHLOROPROPANE	8260B	mg/l	ND		0.005	RDL	1	ND		0.005	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		

Table C4.3 - Duplicate Pair–VOCs and Petroleum Hydrocarbons in Groundwater
Bonanza Park Phase II ESA - 1665 Bonanza Drive, Park City, Utah
Terracon Project No. 61237186 Task 4.11

1,2,4-TRIMETHYLBENZENE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
1,2,3-TRIMETHYLBENZENE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
1,3,5-TRIMETHYLBENZENE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
VINYL CHLORIDE	8260B	mg/l	ND		0.002	RDL	1	ND		0.002	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
XYLENES, TOTAL	8260B	mg/l	ND		0.006	RDL	1	ND		0.006	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		
2-CHLOROETHYL VINYL ETHER	8260B	mg/l	ND		0.1	RDL	1	ND		0.1	RDL	1	No, Original and Duplicate both < RDL, RPD not calculated. Field Duplicate pair within control because the difference between the Original and Duplicate sample RDLs was less than RDL.		

Qualifiers (Q):

J: The identification of the analyte is acceptable; the reported value is an estimate.
J4: The sample matrix interfered with the ability to make any accurate determination; spike value is high.
mg/l: Milligrams per liter.
RDL - Laboratory reported detection limit.
TPH-GRO - Total Petroleum Hydrocarbons Gasoline Range Organics
TPH-DRO - Total Petroleum Hydrocarbons Diesel Range Organics
TRPH - Total Recoverable Petroleum Hydrocarbons
RPD - Relative Percent Difference was calculated when analyte concentrations are greater than or equal to five times the RDL. QA/QC RPD Goal is less than 25% for groundwater samples.
For analytes reported at concentrations less than five times the RDL, the QA/QC Goal is the difference between the sample and its duplicate is less than RDL for groundwater samples.

Appendix D
Chain of Custody and Laboratory Data Sheets

ANALYTICAL REPORT

February 07, 2024

Revised Report

Terracon - Salt Lake City, UT

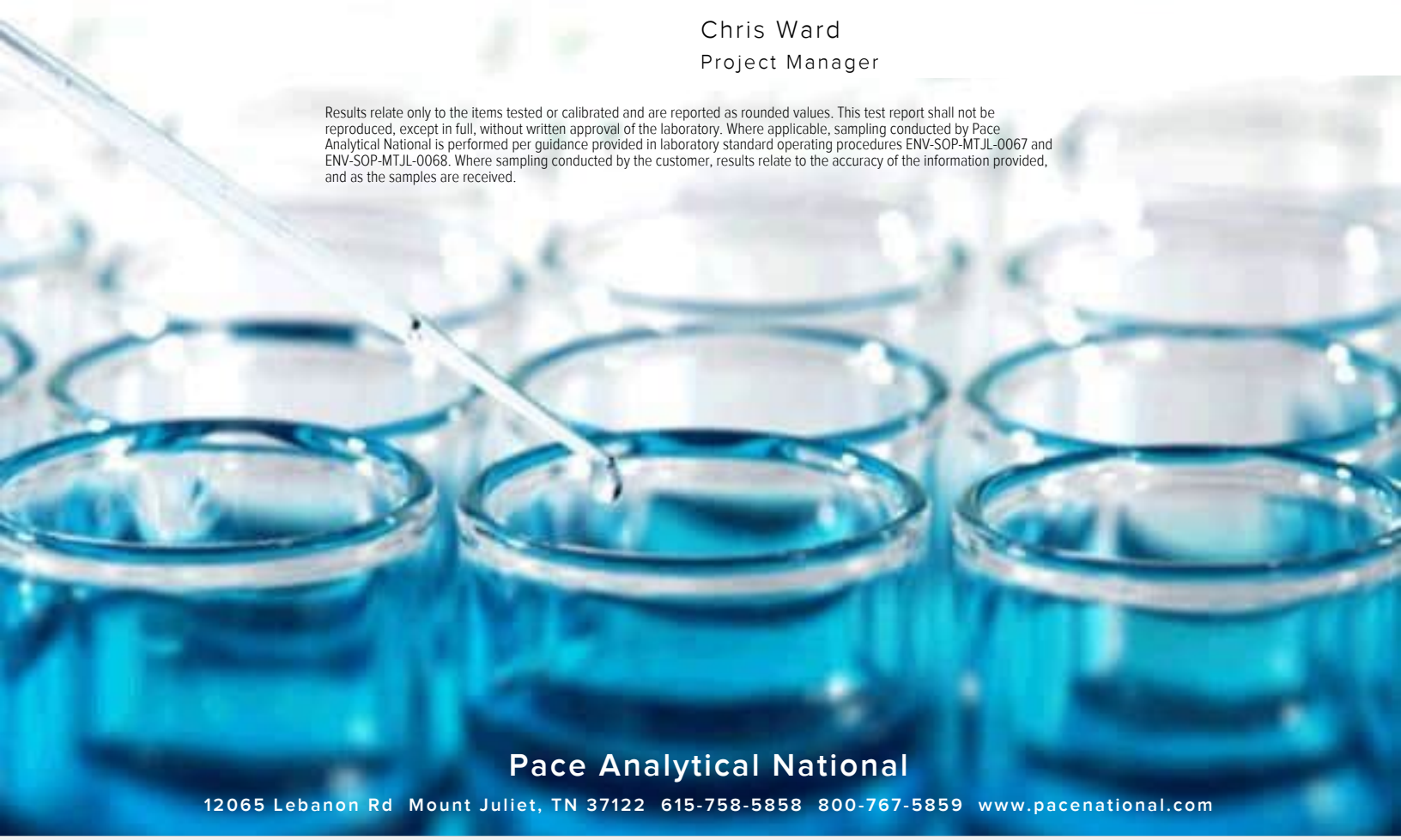
Sample Delivery Group:	L1699664
Samples Received:	01/27/2024
Project Number:	61237186 Task 4.2
Description:	Bonanza Park LSI

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

Entire Report Reviewed By: Chris Ward

Chris Ward
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



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

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B-1 GW L1699664-01 GW

Collected by: Mark Lilly | Collected date/time: 01/24/24 11:20 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 1664A	WG2216399	1	01/30/24 02:00	01/31/24 14:39	WAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2215119	1	01/29/24 03:45	01/29/24 03:45	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2217402	1	02/01/24 17:06	02/01/24 17:06	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2215742	2	01/31/24 11:55	02/01/24 02:13	MAA	Mt. Juliet, TN

B-2 GW L1699664-02 GW

Collected by: Mark Lilly | Collected date/time: 01/24/24 12:11 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 1664A	WG2216399	1	01/30/24 02:00	01/31/24 14:39	WAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2221393	1	02/07/24 04:48	02/07/24 04:48	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2215742	1	01/31/24 11:55	02/01/24 02:34	MAA	Mt. Juliet, TN

B-4 GW L1699664-03 GW

Collected by: Mark Lilly | Collected date/time: 01/23/24 14:15 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 1664A	WG2216399	1	01/30/24 02:00	01/31/24 14:39	WAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2221393	2	02/06/24 23:20	02/06/24 23:20	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2214960	2.29	01/29/24 07:07	02/01/24 17:44	DMG	Mt. Juliet, TN

B-5 GW L1699664-04 GW

Collected by: Mark Lilly | Collected date/time: 01/24/24 15:25 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 1664A	WG2216399	1	01/30/24 02:00	01/31/24 14:39	WAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2221393	1	02/07/24 05:09	02/07/24 05:09	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2215742	2	01/31/24 11:55	02/01/24 02:54	MAA	Mt. Juliet, TN

B-114 GW L1699664-05 GW

Collected by: Mark Lilly | Collected date/time: 01/23/24 15:35 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 1664A	WG2216399	1	01/30/24 02:00	01/31/24 14:39	WAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2221393	2	02/06/24 23:41	02/06/24 23:41	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2214960	2.29	01/29/24 07:07	02/01/24 18:05	DMG	Mt. Juliet, TN

TRIP BLANK L1699664-06 GW

Collected by: Mark Lilly | Collected date/time: 01/24/24 00:00 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2221393	1	02/07/24 02:24	02/07/24 02:24	JHH	Mt. Juliet, TN

B-1 @ 0.5 L1699664-07 Solid

Collected by: Mark Lilly | Collected date/time: 01/23/24 11:05 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216044	1	01/31/24 08:26	01/31/24 08:33	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216269	5	01/30/24 16:56	01/31/24 13:08	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216885	1	01/31/24 11:01	02/01/24 16:04	ZSA	Mt. Juliet, TN

B-1 @ 4 L1699664-08 Solid

Collected by: Mark Lilly | Collected date/time: 01/23/24 11:10 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216044	1	01/31/24 08:26	01/31/24 08:33	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216269	50	01/30/24 16:56	01/31/24 14:04	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216885	1	01/31/24 11:01	02/01/24 16:06	ZSA	Mt. Juliet, TN

B-1 @ 6 L1699664-09 Solid

Collected by: Mark Lilly | Collected date/time: 01/23/24 11:15 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216044	1	01/31/24 08:26	01/31/24 08:33	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216269	5	01/30/24 16:56	01/31/24 13:48	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216885	1	01/31/24 11:01	02/01/24 16:07	ZSA	Mt. Juliet, TN

B-1 @ 33.5 L1699664-10 Solid

Collected by: Mark Lilly | Collected date/time: 01/23/24 12:00 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216044	1	01/31/24 08:26	01/31/24 08:33	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9071B	WG2217639	1	01/31/24 21:02	02/01/24 16:01	WAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2218625	1	01/30/24 09:42	02/02/24 13:40	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2215736	1	01/30/24 21:06	01/31/24 09:36	NH	Mt. Juliet, TN

B-2 @ 0.5 L1699664-11 Solid

Collected by: Mark Lilly | Collected date/time: 01/23/24 08:45 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216044	1	01/31/24 08:26	01/31/24 08:33	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216438	1	01/30/24 22:02	01/31/24 22:22	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216885	1	01/31/24 11:01	02/01/24 15:44	ZSA	Mt. Juliet, TN

B-2 @ 4 L1699664-12 Solid

Collected by: Mark Lilly | Collected date/time: 01/23/24 08:50 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216044	1	01/31/24 08:26	01/31/24 08:33	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216438	1	01/30/24 22:02	01/31/24 22:15	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216885	1	01/31/24 11:01	02/01/24 15:46	ZSA	Mt. Juliet, TN

B-2 @ 6 L1699664-13 Solid

Collected by: Mark Lilly | Collected date/time: 01/23/24 09:00 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216044	1	01/31/24 08:26	01/31/24 08:33	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216438	1	01/30/24 22:02	01/31/24 22:25	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216885	1	01/31/24 11:01	02/01/24 15:47	ZSA	Mt. Juliet, TN

B-2 @ 33.5 L1699664-14 Solid

Collected by: Mark Lilly | Collected date/time: 01/23/24 10:25 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216044	1	01/31/24 08:26	01/31/24 08:33	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9071B	WG2217639	1	01/31/24 21:02	02/01/24 16:01	WAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2218625	1	01/30/24 09:42	02/02/24 14:01	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2215736	1	01/30/24 21:06	01/31/24 09:49	NH	Mt. Juliet, TN

B-3 @ 0.5 L1699664-15 Solid

Collected by: Mark Lilly | Collected date/time: 01/23/24 13:50 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216044	1	01/31/24 08:26	01/31/24 08:33	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216438	1	01/30/24 22:02	01/31/24 22:27	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216885	1	01/31/24 11:01	02/01/24 15:49	ZSA	Mt. Juliet, TN

B-3 @ 2.5 L1699664-16 Solid

Collected by: Mark Lilly | Collected date/time: 01/23/24 14:00 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216044	1	01/31/24 08:26	01/31/24 08:33	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216438	1	01/30/24 22:02	01/31/24 22:29	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216885	1	01/31/24 11:01	02/01/24 15:51	ZSA	Mt. Juliet, TN

B-3 @ 5 L1699664-17 Solid

Collected by: Mark Lilly | Collected date/time: 01/23/24 14:10 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216134	1	01/30/24 17:00	01/30/24 17:04	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2216438	1	01/30/24 22:02	01/31/24 22:32	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216885	1	01/31/24 11:01	02/01/24 15:52	ZSA	Mt. Juliet, TN

B-3 @ 36.5 L1699664-18 Solid

Collected by: Mark Lilly | Collected date/time: 01/23/24 15:45 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216134	1	01/30/24 17:00	01/30/24 17:04	KDW	Mt. Juliet, TN
Wet Chemistry by Method 9071B	WG2217639	1	01/31/24 21:02	02/01/24 16:01	WAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2218625	1	01/30/24 09:42	02/02/24 14:23	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2215736	1	01/30/24 21:06	01/31/24 10:01	KAP	Mt. Juliet, TN

B-4 @ 0.5 L1699664-19 Solid

Collected by: Mark Lilly | Collected date/time: 01/23/24 12:35 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216134	1	01/30/24 17:00	01/30/24 17:04	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2216438	1	01/30/24 22:02	01/31/24 22:34	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216885	1	01/31/24 11:01	02/01/24 15:54	ZSA	Mt. Juliet, TN

B-4 @ 2.5 L1699664-20 Solid

Collected by: Mark Lilly | Collected date/time: 01/23/24 12:45 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216134	1	01/30/24 17:00	01/30/24 17:04	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2216438	1	01/30/24 22:02	01/31/24 22:42	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216885	1	01/31/24 11:01	02/01/24 15:56	ZSA	Mt. Juliet, TN

B-4 @ 4 L1699664-21 Solid

Collected by: Mark Lilly | Collected date/time: 01/23/24 12:50 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216134	1	01/30/24 17:00	01/30/24 17:04	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2216438	1	01/30/24 22:02	01/31/24 22:44	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216885	1	01/31/24 11:01	02/01/24 15:57	ZSA	Mt. Juliet, TN

B-4 @ 20 L1699664-22 Solid

Collected by: Mark Lilly | Collected date/time: 01/23/24 13:05 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216134	1	01/30/24 17:00	01/30/24 17:04	KDW	Mt. Juliet, TN
Wet Chemistry by Method 9071B	WG2217639	1	01/31/24 21:02	02/01/24 16:01	WAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2218625	1	01/30/24 09:42	02/02/24 14:44	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2215736	1	01/30/24 21:06	01/31/24 10:26	NH	Mt. Juliet, TN

B-5 @ 0.5 L1699664-23 Solid

Collected by: Mark Lilly | Collected date/time: 01/24/24 09:00 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216134	1	01/30/24 17:00	01/30/24 17:04	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2216271	1	01/30/24 16:54	01/31/24 12:45	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216885	1	01/31/24 11:01	02/01/24 15:59	ZSA	Mt. Juliet, TN

B-5 @ 5 L1699664-24 Solid

Collected by: Mark Lilly | Collected date/time: 01/24/24 09:15 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216134	1	01/30/24 17:00	01/30/24 17:04	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2216271	1	01/30/24 16:54	01/31/24 12:47	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216885	1	01/31/24 11:01	02/01/24 16:09	ZSA	Mt. Juliet, TN

B-5 @ 8 L1699664-25 Solid

Collected by: Mark Lilly | Collected date/time: 01/24/24 09:30 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216140	1	01/31/24 08:13	01/31/24 08:22	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216271	1	01/30/24 16:54	01/31/24 12:50	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216885	1	01/31/24 11:01	02/01/24 16:11	ZSA	Mt. Juliet, TN

B-5 @ 31 L1699664-26 Solid

Collected by: Mark Lilly | Collected date/time: 01/24/24 10:15 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216140	1	01/31/24 08:13	01/31/24 08:22	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9071B	WG2217639	1	01/31/24 21:02	02/01/24 16:01	WAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2218625	1	01/30/24 09:42	02/02/24 15:05	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2216164	1	01/30/24 21:17	01/31/24 10:19	KAP	Mt. Juliet, TN

B-6 @ 0.5 L1699664-27 Solid

Collected by: Mark Lilly | Collected date/time: 01/24/24 14:10 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216140	1	01/31/24 08:13	01/31/24 08:22	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216271	1	01/30/24 16:54	01/31/24 12:52	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216885	1	01/31/24 11:01	02/01/24 16:12	ZSA	Mt. Juliet, TN

B-6 @ 3.5 L1699664-28 Solid

Collected by: Mark Lilly | Collected date/time: 01/24/24 14:15 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216140	1	01/31/24 08:13	01/31/24 08:22	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216271	1	01/30/24 16:54	01/31/24 12:37	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216893	1	02/01/24 09:09	02/01/24 21:10	JTM	Mt. Juliet, TN

B-6 @ 5 L1699664-29 Solid

Collected by: Mark Lilly | Collected date/time: 01/24/24 14:20 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216140	1	01/31/24 08:13	01/31/24 08:22	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216271	1	01/30/24 16:54	01/31/24 12:54	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216847	1	01/31/24 10:48	01/31/24 19:36	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216847	1	01/31/24 10:48	02/01/24 10:14	JTM	Mt. Juliet, TN

B-7 @ 0.5 L1699664-30 Solid

Collected by: Mark Lilly | Collected date/time: 01/24/24 12:05 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216140	1	01/31/24 08:13	01/31/24 08:22	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216271	1	01/30/24 16:54	01/31/24 12:57	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216847	1	01/31/24 10:48	01/31/24 19:39	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216847	1	01/31/24 10:48	02/01/24 10:16	JTM	Mt. Juliet, TN

B-7 @ 2 L1699664-31 Solid

Collected by: Mark Lilly | Collected date/time: 01/24/24 12:10 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216140	1	01/31/24 08:13	01/31/24 08:22	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216271	1	01/30/24 16:54	01/31/24 13:18	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216847	1	01/31/24 10:48	01/31/24 19:42	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216847	1	01/31/24 10:48	02/01/24 10:19	JTM	Mt. Juliet, TN

B-7 @ 7 L1699664-32 Solid

Collected by: Mark Lilly | Collected date/time: 01/24/24 12:20 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216140	1	01/31/24 08:13	01/31/24 08:22	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216271	1	01/30/24 16:54	01/31/24 13:21	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216847	1	01/31/24 10:48	01/31/24 19:50	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216847	1	01/31/24 10:48	02/01/24 10:28	JTM	Mt. Juliet, TN

B-8 @ 0.5 L1699664-33 Solid

Collected by: Mark Lilly | Collected date/time: 01/25/24 09:20 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216140	1	01/31/24 08:13	01/31/24 08:22	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216271	1	01/30/24 16:54	01/31/24 13:23	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216847	1	01/31/24 10:48	01/31/24 19:53	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216847	1	01/31/24 10:48	02/01/24 10:31	JTM	Mt. Juliet, TN

B-8 @ 2.5 L1699664-34 Solid

Collected by: Mark Lilly | Collected date/time: 01/25/24 09:25 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216058	1	01/31/24 08:36	01/31/24 08:45	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216271	1	01/30/24 16:54	01/31/24 13:25	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216893	1	02/01/24 09:09	02/01/24 21:24	JTM	Mt. Juliet, TN

B-8 @ 6.0 L1699664-35 Solid

Collected by: Mark Lilly | Collected date/time: 01/25/24 09:30 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216058	1	01/31/24 08:36	01/31/24 08:45	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216271	1	01/30/24 16:54	01/31/24 13:28	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216893	1	02/01/24 09:09	02/01/24 21:26	JTM	Mt. Juliet, TN

B-9 @ 0.5 L1699664-36 Solid

Collected by: Mark Lilly | Collected date/time: 01/24/24 11:51 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216058	1	01/31/24 08:36	01/31/24 08:45	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216271	1	01/30/24 16:54	01/31/24 13:30	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216893	1	02/01/24 09:09	02/01/24 21:29	JTM	Mt. Juliet, TN

B-9 @ 4 L1699664-37 Solid

Collected by: Mark Lilly | Collected date/time: 01/24/24 11:50 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216058	1	01/31/24 08:36	01/31/24 08:45	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216273	200	01/30/24 16:52	01/31/24 16:24	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216893	1	02/01/24 09:09	02/01/24 21:38	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216893	5	02/01/24 09:09	02/02/24 11:21	JTM	Mt. Juliet, TN

B-9 @ 5 L1699664-38 Solid

Collected by: Mark Lilly | Collected date/time: 01/24/24 11:55 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216058	1	01/31/24 08:36	01/31/24 08:45	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216273	1	01/30/24 16:52	01/31/24 14:44	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216893	1	02/01/24 09:09	02/01/24 21:41	JTM	Mt. Juliet, TN

B-10 @ 0.5 L1699664-39 Solid

Collected by: Mark Lilly | Collected date/time: 01/25/24 09:00 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216058	1	01/31/24 08:36	01/31/24 08:45	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216273	1	01/30/24 16:52	01/31/24 14:46	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216893	1	02/01/24 09:09	02/01/24 21:44	JTM	Mt. Juliet, TN

B-10 @ 1.5 L1699664-40 Solid

Collected by: Mark Lilly | Collected date/time: 01/25/24 09:05 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216058	1	01/31/24 08:36	01/31/24 08:45	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216273	1	01/30/24 16:52	01/31/24 14:48	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216893	1	02/01/24 09:09	02/01/24 21:47	JTM	Mt. Juliet, TN

B-10 @ 5.5 L1699664-41 Solid

Collected by: Mark Lilly | Collected date/time: 01/25/24 09:10 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216058	1	01/31/24 08:36	01/31/24 08:45	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216273	1	01/30/24 16:52	01/31/24 14:51	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216893	1	02/01/24 09:09	02/01/24 21:49	JTM	Mt. Juliet, TN

B-11 @ 0.5 L1699664-42 Solid

Collected by: Mark Lilly | Collected date/time: 01/24/24 14:55 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216058	1	01/31/24 08:36	01/31/24 08:45	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216273	2	01/30/24 16:52	01/31/24 16:07	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216893	1	02/01/24 09:09	02/01/24 21:53	JTM	Mt. Juliet, TN

B-11 @ 3.5 L1699664-43 Solid

Collected by: Mark Lilly | Collected date/time: 01/24/24 15:00 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216058	1	01/31/24 08:36	01/31/24 08:45	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216273	1	01/30/24 16:52	01/31/24 15:00	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216893	1	02/01/24 09:09	02/01/24 21:55	JTM	Mt. Juliet, TN

B-11 @ 5.0 L1699664-44 Solid

Collected by: Mark Lilly | Collected date/time: 01/24/24 15:05 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216061	1	01/31/24 07:39	01/31/24 07:48	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216273	1	01/30/24 16:52	01/31/24 15:03	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216893	1	02/01/24 09:09	02/01/24 21:58	JTM	Mt. Juliet, TN

B-12 @ 0.5 L1699664-45 Solid

Collected by: Mark Lilly | Collected date/time: 01/25/24 09:55 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216061	1	01/31/24 07:39	01/31/24 07:48	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216273	1	01/30/24 16:52	01/31/24 15:05	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216893	1	02/01/24 09:09	02/01/24 22:01	JTM	Mt. Juliet, TN

B-12 @ 4.5 L1699664-46 Solid

Collected by: Mark Lilly | Collected date/time: 01/25/24 10:00 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216061	1	01/31/24 07:39	01/31/24 07:48	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216273	1	01/30/24 16:52	01/31/24 15:08	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216893	1	02/01/24 09:09	02/01/24 22:04	JTM	Mt. Juliet, TN

B-12 @ 6 L1699664-47 Solid

Collected by: Mark Lilly | Collected date/time: 01/25/24 10:05 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216061	1	01/31/24 07:39	01/31/24 07:48	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216273	1	01/30/24 16:52	01/31/24 15:15	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216893	1	02/01/24 09:09	02/01/24 22:12	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216893	1	02/01/24 09:09	02/02/24 11:23	JTM	Mt. Juliet, TN

B-13 @ 0.5 L1699664-48 Solid

Collected by: Mark Lilly | Collected date/time: 01/24/24 13:30 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216061	1	01/31/24 07:39	01/31/24 07:48	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216273	1	01/30/24 16:52	01/31/24 14:26	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216891	1	01/31/24 11:58	01/31/24 18:42	ZSA	Mt. Juliet, TN

B-13 @ 2 L1699664-49 Solid

Collected by: Mark Lilly | Collected date/time: 01/24/24 13:35 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216061	1	01/31/24 07:39	01/31/24 07:48	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216273	1	01/30/24 16:52	01/31/24 15:17	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216893	1	02/01/24 09:09	02/01/24 22:15	JTM	Mt. Juliet, TN

B-13 @ 5 L1699664-50 Solid

Collected by: Mark Lilly | Collected date/time: 01/24/24 13:40 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216061	1	01/31/24 07:39	01/31/24 07:48	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216273	1	01/30/24 16:52	01/31/24 15:20	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216889	1	01/31/24 11:02	02/01/24 21:35	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216889	1	01/31/24 11:02	02/02/24 11:51	JTM	Mt. Juliet, TN

B-14 @ 0.5 L1699664-51 Solid

Collected by: Mark Lilly | Collected date/time: 01/25/24 10:25 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216061	1	01/31/24 07:39	01/31/24 07:48	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216273	1	01/30/24 16:52	01/31/24 15:22	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216889	1	01/31/24 11:02	02/01/24 21:36	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216889	1	01/31/24 11:02	02/02/24 11:52	JTM	Mt. Juliet, TN

B-14 @ 2 L1699664-52 Solid

Collected by: Mark Lilly | Collected date/time: 01/25/24 10:30 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216061	1	01/31/24 07:39	01/31/24 07:48	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216273	1	01/30/24 16:52	01/31/24 15:25	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216889	1	01/31/24 11:02	02/01/24 21:38	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216889	1	01/31/24 11:02	02/02/24 11:54	JTM	Mt. Juliet, TN

B-14 @ 6 L1699664-53 Solid

Collected by: Mark Lilly | Collected date/time: 01/25/24 10:35 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216061	1	01/31/24 07:39	01/31/24 07:48	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216273	1	01/30/24 16:52	01/31/24 15:27	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216889	1	01/31/24 11:02	02/01/24 21:43	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216889	1	01/31/24 11:02	02/02/24 11:59	JTM	Mt. Juliet, TN

B-15 @ 0.5 L1699664-54 Solid

Collected by: Mark Lilly | Collected date/time: 01/25/24 10:50 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216140	1	01/31/24 08:13	01/31/24 08:22	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216273	1	01/30/24 16:52	01/31/24 15:30	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216889	1	01/31/24 11:02	02/01/24 21:45	JTM	Mt. Juliet, TN

B-15 @ 3.5 L1699664-55 Solid

Collected by: Mark Lilly | Collected date/time: 01/25/24 10:55 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216062	1	01/30/24 16:41	01/30/24 16:46	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2216273	2	01/30/24 16:52	01/31/24 16:10	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216889	1	01/31/24 11:02	02/01/24 21:47	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216889	1	01/31/24 11:02	02/02/24 12:00	JTM	Mt. Juliet, TN

B-15 @ 6 L1699664-56 Solid

Collected by: Mark Lilly | Collected date/time: 01/25/24 11:00 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216062	1	01/30/24 16:41	01/30/24 16:46	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2216273	1	01/30/24 16:52	01/31/24 15:35	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216889	1	01/31/24 11:02	02/01/24 21:48	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216889	1	01/31/24 11:02	02/02/24 12:02	JTM	Mt. Juliet, TN

B-16 @ 0.5 L1699664-57 Solid

Collected by: Mark Lilly | Collected date/time: 01/25/24 11:20 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216062	1	01/30/24 16:41	01/30/24 16:46	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2216269	5	01/30/24 16:56	01/31/24 13:50	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216889	1	01/31/24 11:02	02/01/24 21:50	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216889	1	01/31/24 11:02	02/02/24 12:04	JTM	Mt. Juliet, TN

B-16 @ 2.5 L1699664-58 Solid

Collected by: Mark Lilly | Collected date/time: 01/25/24 11:25 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216062	1	01/30/24 16:41	01/30/24 16:46	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2216269	1	01/30/24 16:56	01/31/24 11:43	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216889	1	01/31/24 11:02	02/01/24 21:52	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216889	1	01/31/24 11:02	02/02/24 12:05	JTM	Mt. Juliet, TN

B-16 @ 4.5 L1699664-59 Solid

Collected by: Mark Lilly | Collected date/time: 01/25/24 11:30 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216062	1	01/30/24 16:41	01/30/24 16:46	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2216269	1	01/30/24 16:56	01/31/24 11:46	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216889	1	01/31/24 11:02	02/01/24 21:54	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216889	1	01/31/24 11:02	02/02/24 12:07	JTM	Mt. Juliet, TN

B-17 @ 0.5 L1699664-60 Solid

Collected by: Mark Lilly | Collected date/time: 01/25/24 11:40 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216141	1	01/31/24 07:54	01/31/24 08:02	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216269	1	01/30/24 16:56	01/31/24 11:48	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216889	1	01/31/24 11:02	02/01/24 21:55	JTM	Mt. Juliet, TN

B-17 @ 1.5 L1699664-61 Solid

Collected by: Mark Lilly | Collected date/time: 01/25/24 11:45 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216141	1	01/31/24 07:54	01/31/24 08:02	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216269	1	01/30/24 16:56	01/31/24 11:51	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216889	1	01/31/24 11:02	02/01/24 21:57	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216889	1	01/31/24 11:02	02/02/24 12:09	JTM	Mt. Juliet, TN

B-17 @ 9 L1699664-62 Solid

Collected by: Mark Lilly | Collected date/time: 01/25/24 11:50 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216141	1	01/31/24 07:54	01/31/24 08:02	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216269	1	01/30/24 16:56	01/31/24 11:53	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216889	1	01/31/24 11:02	02/01/24 21:59	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216889	1	01/31/24 11:02	02/02/24 12:10	JTM	Mt. Juliet, TN

B-18 @ 0.5 L1699664-63 Solid

Collected by: Mark Lilly | Collected date/time: 01/25/24 12:30 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216141	1	01/31/24 07:54	01/31/24 08:02	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216269	1	01/30/24 16:56	01/31/24 11:55	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216889	1	01/31/24 11:02	02/01/24 22:04	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216889	1	01/31/24 11:02	02/02/24 12:12	JTM	Mt. Juliet, TN

B-18 @ 2.5 L1699664-64 Solid

Collected by: Mark Lilly | Collected date/time: 01/25/24 12:35 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216141	1	01/31/24 07:54	01/31/24 08:02	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216269	1	01/30/24 16:56	01/31/24 11:58	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216889	1	01/31/24 11:02	02/01/24 22:06	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216889	1	01/31/24 11:02	02/02/24 12:13	JTM	Mt. Juliet, TN

B-18 @ 4 L1699664-65 Solid

Collected by: Mark Lilly | Collected date/time: 01/25/24 12:40 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216141	1	01/31/24 07:54	01/31/24 08:02	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216269	1	01/30/24 16:56	01/31/24 12:05	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216889	1	01/31/24 11:02	02/01/24 22:07	JTM	Mt. Juliet, TN

B-112 @ 0.5 L1699664-66 Solid

Collected by: Mark Lilly | Collected date/time: 01/23/24 08:46 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216141	1	01/31/24 07:54	01/31/24 08:02	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216269	1	01/30/24 16:56	01/31/24 12:07	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216889	1	01/31/24 11:02	02/01/24 22:09	JTM	Mt. Juliet, TN

B-112 @ 4 L1699664-67 Solid

Collected by: Mark Lilly | Collected date/time: 01/23/24 08:51 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216141	1	01/31/24 07:54	01/31/24 08:02	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216269	1	01/30/24 16:56	01/31/24 12:13	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216889	1	01/31/24 11:02	02/01/24 21:26	JTM	Mt. Juliet, TN

B-112 @ 33.5 L1699664-68 Solid

Collected by: Mark Lilly | Collected date/time: 01/23/24 10:26 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216141	1	01/31/24 07:54	01/31/24 08:02	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9071B	WG2217639	1	01/31/24 21:02	02/01/24 16:01	WAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2218625	1	01/30/24 18:43	02/02/24 15:27	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2216164	1	01/30/24 21:17	01/31/24 09:00	KAP	Mt. Juliet, TN

B-112 @ 6 L1699664-69 Solid

Collected by: Mark Lilly | Collected date/time: 01/23/24 09:01 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216141	1	01/31/24 07:54	01/31/24 08:02	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216269	1	01/30/24 16:56	01/31/24 11:19	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216889	1	01/31/24 11:02	02/01/24 22:11	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216889	1	01/31/24 11:02	02/02/24 12:18	JTM	Mt. Juliet, TN

B-114 @ 0.5 L1699664-70 Solid

Collected by: Mark Lilly | Collected date/time: 01/23/24 12:36 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216142	1	01/31/24 06:07	01/31/24 06:12	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216269	1	01/30/24 16:56	01/31/24 12:15	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216889	1	01/31/24 11:02	02/01/24 22:12	JTM	Mt. Juliet, TN

B-119 @ 4 L1699664-71 Solid

Collected by: Mark Lilly | Collected date/time: 01/24/24 11:51 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216142	1	01/31/24 06:07	01/31/24 06:12	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216269	100	01/30/24 16:56	01/31/24 14:55	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216893	1	02/01/24 09:09	02/01/24 22:18	JTM	Mt. Juliet, TN

B-110 @ 5.5 L1699664-72 Solid

Collected by: Mark Lilly | Collected date/time: 01/25/24 09:11 | Received date/time: 01/27/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2216142	1	01/31/24 06:07	01/31/24 06:12	CMK	Mt. Juliet, TN
Mercury by Method 7471A	WG2216269	1	01/30/24 16:56	01/31/24 12:20	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2216893	1	02/01/24 09:09	02/01/24 22:21	JTM	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

Report Revision History

Level II Report - Version 1: 02/07/24 11:27

Project Comments

Report reissued 2/7 to pull in missing Selinium result

Sample Delivery Group (SDG) Narrative

Analyzed from headspace vial.

Batch	Method	Lab Sample ID
WG2217402	8260B	L1699664-01
WG2221393	8260B	L1699664-06

Mercury by Method 7471A

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

Batch	Lab Sample ID	Analytes
WG2216271	(MS) R4028350-3, (MSD) R4028350-4, L1699664-28	Mercury

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

Batch	Lab Sample ID	Analytes
WG2216271	(MSD) R4028350-4, L1699664-28	Mercury

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

Batch	Lab Sample ID	Analytes
WG2216271	L1699664-28	Mercury

Metals (ICP) by Method 6010B

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2216889	Selenium	L1699664-52, 53, 54, 55, 57, 58, 60, 61, 63, 64, 65, 66, 67, 69, 70

Metals (ICP) by Method 6010B

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

Batch	Lab Sample ID	Analytes
WG2216885	(MS) R4028878-5, (MSD) R4028878-6	Barium and Silver
WG2216889	(MS) R4029105-5, (MSD) R4029105-6, L1699664-67	Lead
WG2216891	(MS) R4028459-5, (MSD) R4028459-6, L1699664-48	Lead

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

Batch	Lab Sample ID	Analytes
WG2216893	(MS) R4029079-5, (MSD) R4029079-6, L1699664-28	Lead

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

Batch	Lab Sample ID	Analytes
WG2216891	(MSD) R4028459-6, L1699664-48	Lead

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

Batch	Lab Sample ID	Analytes
WG2216889	L1699664-67	Barium, Chromium and Lead
WG2216893	L1699664-28	Arsenic, Barium, Cadmium, Chromium, Lead, Selenium and Silver

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
WG2218625	1,2-Dichloroethane-d4	L1699664-68

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2215119	Chloroform	L1699664-01

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

Batch	Lab Sample ID	Analytes
WG2215119	(LCS) R4028278-1, (LCSD) R4028278-2, L1699664-01	1,1,2-Trichlorotrifluoroethane
WG2221393	(LCS) R4030688-1, (LCSD) R4030688-2, L1699664-02, 03, 04, 05, 06	Acrolein

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
WG2215736	o-Terphenyl	(MS) R4028325-3, (MSD) R4028325-4

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

Batch	Lab Sample ID	Analytes
WG2215736	(MS) R4028325-3, (MSD) R4028325-4	TPH (GC/FID) High Fraction

Wet Chemistry by Method 1664A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH - Oil & Grease	U		0.767	5.29	1	01/31/2024 14:39	WG2216399

Sample Narrative:

L1699664-01 WG2216399: Total Oil&Grease is non-detect. Extract was not processed through silica gel.

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/MS) Low Fraction	U		0.108	0.500	1	02/01/2024 17:06	WG2217402
Acetone	U		0.0113	0.0500	1	01/29/2024 03:45	WG2215119
Acrolein	U		0.00254	0.0500	1	01/29/2024 03:45	WG2215119
Acrylonitrile	U		0.000671	0.0100	1	01/29/2024 03:45	WG2215119
Benzene	0.0000961	J	0.0000941	0.00100	1	01/29/2024 03:45	WG2215119
Bromobenzene	U		0.000118	0.00100	1	01/29/2024 03:45	WG2215119
Bromodichloromethane	U		0.000136	0.00100	1	01/29/2024 03:45	WG2215119
Bromoform	U		0.000129	0.00100	1	01/29/2024 03:45	WG2215119
Bromomethane	U		0.000605	0.00500	1	01/29/2024 03:45	WG2215119
n-Butylbenzene	U		0.000157	0.00100	1	01/29/2024 03:45	WG2215119
sec-Butylbenzene	U		0.000125	0.00100	1	01/29/2024 03:45	WG2215119
tert-Butylbenzene	U		0.000127	0.00100	1	01/29/2024 03:45	WG2215119
Carbon tetrachloride	U		0.000128	0.00100	1	01/29/2024 03:45	WG2215119
Chlorobenzene	U		0.000116	0.00100	1	01/29/2024 03:45	WG2215119
Chlorodibromomethane	U		0.000140	0.00100	1	01/29/2024 03:45	WG2215119
Chloroethane	U		0.000192	0.00500	1	01/29/2024 03:45	WG2215119
2-Chloroethyl vinyl ether	U		0.000575	0.0500	1	01/29/2024 03:45	WG2215119
Chloroform	0.000514	B J	0.000111	0.00500	1	01/29/2024 03:45	WG2215119
Chloromethane	U		0.000960	0.00250	1	01/29/2024 03:45	WG2215119
2-Chlorotoluene	U		0.000106	0.00100	1	01/29/2024 03:45	WG2215119
4-Chlorotoluene	U		0.000114	0.00100	1	01/29/2024 03:45	WG2215119
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	01/29/2024 03:45	WG2215119
1,2-Dibromoethane	U		0.000126	0.00100	1	01/29/2024 03:45	WG2215119
Dibromomethane	U		0.000122	0.00100	1	01/29/2024 03:45	WG2215119
1,2-Dichlorobenzene	U		0.000107	0.00100	1	01/29/2024 03:45	WG2215119
1,3-Dichlorobenzene	U		0.000110	0.00100	1	01/29/2024 03:45	WG2215119
1,4-Dichlorobenzene	U		0.000120	0.00100	1	01/29/2024 03:45	WG2215119
Dichlorodifluoromethane	U		0.000374	0.00500	1	01/29/2024 03:45	WG2215119
1,1-Dichloroethane	U		0.000100	0.00100	1	01/29/2024 03:45	WG2215119
1,2-Dichloroethane	U		0.0000819	0.00100	1	01/29/2024 03:45	WG2215119
1,1-Dichloroethene	U		0.000188	0.00100	1	01/29/2024 03:45	WG2215119
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	01/29/2024 03:45	WG2215119
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/29/2024 03:45	WG2215119
1,2-Dichloropropane	U		0.000149	0.00100	1	01/29/2024 03:45	WG2215119
1,1-Dichloropropene	U		0.000142	0.00100	1	01/29/2024 03:45	WG2215119
1,3-Dichloropropane	U		0.000110	0.00100	1	01/29/2024 03:45	WG2215119
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	01/29/2024 03:45	WG2215119
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	01/29/2024 03:45	WG2215119
2,2-Dichloropropane	U		0.000161	0.00100	1	01/29/2024 03:45	WG2215119
Di-isopropyl ether	U		0.000105	0.00100	1	01/29/2024 03:45	WG2215119
Ethylbenzene	U		0.000137	0.00100	1	01/29/2024 03:45	WG2215119
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	01/29/2024 03:45	WG2215119
Isopropylbenzene	U		0.000105	0.00100	1	01/29/2024 03:45	WG2215119
p-Isopropyltoluene	U		0.000120	0.00100	1	01/29/2024 03:45	WG2215119
2-Butanone (MEK)	U		0.00119	0.0100	1	01/29/2024 03:45	WG2215119
Methylene Chloride	U		0.000430	0.00500	1	01/29/2024 03:45	WG2215119
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	01/29/2024 03:45	WG2215119

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000101	0.00100	1	01/29/2024 03:45	WG2215119
Naphthalene	U		0.00100	0.00500	1	01/29/2024 03:45	WG2215119
n-Propylbenzene	U		0.0000993	0.00100	1	01/29/2024 03:45	WG2215119
Styrene	U		0.000118	0.00100	1	01/29/2024 03:45	WG2215119
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	01/29/2024 03:45	WG2215119
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	01/29/2024 03:45	WG2215119
1,1,2-Trichlorotrifluoroethane	U	J4	0.000180	0.00100	1	01/29/2024 03:45	WG2215119
Tetrachloroethene	U		0.000300	0.00100	1	01/29/2024 03:45	WG2215119
Toluene	U		0.000278	0.00100	1	01/29/2024 03:45	WG2215119
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	01/29/2024 03:45	WG2215119
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	01/29/2024 03:45	WG2215119
1,1,1-Trichloroethane	U		0.000149	0.00100	1	01/29/2024 03:45	WG2215119
1,1,2-Trichloroethane	U		0.000158	0.00100	1	01/29/2024 03:45	WG2215119
Trichloroethene	0.000569	J	0.000190	0.00100	1	01/29/2024 03:45	WG2215119
Trichlorofluoromethane	U		0.000160	0.00500	1	01/29/2024 03:45	WG2215119
1,2,3-Trichloropropane	U		0.000237	0.00250	1	01/29/2024 03:45	WG2215119
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	01/29/2024 03:45	WG2215119
1,2,3-Trimethylbenzene	U		0.000104	0.00100	1	01/29/2024 03:45	WG2215119
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	01/29/2024 03:45	WG2215119
Vinyl chloride	U		0.000234	0.00100	1	01/29/2024 03:45	WG2215119
Xylenes, Total	U		0.000174	0.00300	1	01/29/2024 03:45	WG2215119
(S) Toluene-d8	*110*			*80.0-120*		*01/29/2024 03:45*	WG2215119
(S) Toluene-d8	*105*			*80.0-120*		*02/01/2024 17:06*	WG2217402
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*01/29/2024 03:45*	WG2215119
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*02/01/2024 17:06*	WG2217402
(S) 1,2-Dichloroethane-d4	*120*			*70.0-130*		*01/29/2024 03:45*	WG2215119
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*02/01/2024 17:06*	WG2217402

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.287		0.0494	0.200	2	02/01/2024 02:13	WG2215742
(S) o-Terphenyl	*84.2*			*31.0-160*		*02/01/2024 02:13*	WG2215742

Sample Narrative:

L1699664-01 WG2215742: Dilution due to matrix impact during extraction procedure.

Wet Chemistry by Method 1664A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH - Oil & Grease	U		0.775	5.35	1	01/31/2024 14:39	WG2216399

Sample Narrative:

L1699664-02 WG2216399: Total Oil&Grease is non-detect. Extract was not processed through silica gel.

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/MS) Low Fraction	U		0.108	0.500	1	02/07/2024 04:48	WG2221393
Acetone	0.0243	J	0.0113	0.0500	1	02/07/2024 04:48	WG2221393
Acrolein	U	J4	0.00254	0.0500	1	02/07/2024 04:48	WG2221393
Acrylonitrile	U		0.000671	0.0100	1	02/07/2024 04:48	WG2221393
Benzene	0.000642	J	0.0000941	0.00100	1	02/07/2024 04:48	WG2221393
Bromobenzene	U		0.000118	0.00100	1	02/07/2024 04:48	WG2221393
Bromodichloromethane	U		0.000136	0.00100	1	02/07/2024 04:48	WG2221393
Bromoform	U		0.000129	0.00100	1	02/07/2024 04:48	WG2221393
Bromomethane	U		0.000605	0.00500	1	02/07/2024 04:48	WG2221393
n-Butylbenzene	U		0.000157	0.00100	1	02/07/2024 04:48	WG2221393
sec-Butylbenzene	0.000218	J	0.000125	0.00100	1	02/07/2024 04:48	WG2221393
tert-Butylbenzene	U		0.000127	0.00100	1	02/07/2024 04:48	WG2221393
Carbon tetrachloride	U		0.000128	0.00100	1	02/07/2024 04:48	WG2221393
Chlorobenzene	U		0.000116	0.00100	1	02/07/2024 04:48	WG2221393
Chlorodibromomethane	U		0.000140	0.00100	1	02/07/2024 04:48	WG2221393
Chloroethane	U		0.000192	0.00500	1	02/07/2024 04:48	WG2221393
2-Chloroethyl vinyl ether	U		0.000575	0.0500	1	02/07/2024 04:48	WG2221393
Chloroform	U		0.000111	0.00500	1	02/07/2024 04:48	WG2221393
Chloromethane	U		0.000960	0.00250	1	02/07/2024 04:48	WG2221393
2-Chlorotoluene	U		0.000106	0.00100	1	02/07/2024 04:48	WG2221393
4-Chlorotoluene	U		0.000114	0.00100	1	02/07/2024 04:48	WG2221393
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	02/07/2024 04:48	WG2221393
1,2-Dibromoethane	U		0.000126	0.00100	1	02/07/2024 04:48	WG2221393
Dibromomethane	U		0.000122	0.00100	1	02/07/2024 04:48	WG2221393
1,2-Dichlorobenzene	U		0.000107	0.00100	1	02/07/2024 04:48	WG2221393
1,3-Dichlorobenzene	U		0.000110	0.00100	1	02/07/2024 04:48	WG2221393
1,4-Dichlorobenzene	U		0.000120	0.00100	1	02/07/2024 04:48	WG2221393
Dichlorodifluoromethane	U		0.000374	0.00500	1	02/07/2024 04:48	WG2221393
1,1-Dichloroethane	U		0.000100	0.00100	1	02/07/2024 04:48	WG2221393
1,2-Dichloroethane	U		0.0000819	0.00100	1	02/07/2024 04:48	WG2221393
1,1-Dichloroethene	U		0.000188	0.00100	1	02/07/2024 04:48	WG2221393
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	02/07/2024 04:48	WG2221393
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	02/07/2024 04:48	WG2221393
1,2-Dichloropropane	U		0.000149	0.00100	1	02/07/2024 04:48	WG2221393
1,1-Dichloropropene	U		0.000142	0.00100	1	02/07/2024 04:48	WG2221393
1,3-Dichloropropane	U		0.000110	0.00100	1	02/07/2024 04:48	WG2221393
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	02/07/2024 04:48	WG2221393
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	02/07/2024 04:48	WG2221393
2,2-Dichloropropane	U		0.000161	0.00100	1	02/07/2024 04:48	WG2221393
Di-isopropyl ether	U		0.000105	0.00100	1	02/07/2024 04:48	WG2221393
Ethylbenzene	U		0.000137	0.00100	1	02/07/2024 04:48	WG2221393
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	02/07/2024 04:48	WG2221393
Isopropylbenzene	0.000275	J	0.000105	0.00100	1	02/07/2024 04:48	WG2221393
p-Isopropyltoluene	U		0.000120	0.00100	1	02/07/2024 04:48	WG2221393
2-Butanone (MEK)	0.00620	J	0.00119	0.0100	1	02/07/2024 04:48	WG2221393
Methylene Chloride	U		0.000430	0.00500	1	02/07/2024 04:48	WG2221393
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	02/07/2024 04:48	WG2221393

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000101	0.00100	1	02/07/2024 04:48	WG2221393
Naphthalene	U		0.00100	0.00500	1	02/07/2024 04:48	WG2221393
n-Propylbenzene	U		0.0000993	0.00100	1	02/07/2024 04:48	WG2221393
Styrene	U		0.000118	0.00100	1	02/07/2024 04:48	WG2221393
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	02/07/2024 04:48	WG2221393
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	02/07/2024 04:48	WG2221393
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100	1	02/07/2024 04:48	WG2221393
Tetrachloroethene	U		0.000300	0.00100	1	02/07/2024 04:48	WG2221393
Toluene	U		0.000278	0.00100	1	02/07/2024 04:48	WG2221393
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	02/07/2024 04:48	WG2221393
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	02/07/2024 04:48	WG2221393
1,1,1-Trichloroethane	U		0.000149	0.00100	1	02/07/2024 04:48	WG2221393
1,1,2-Trichloroethane	U		0.000158	0.00100	1	02/07/2024 04:48	WG2221393
Trichloroethene	0.000525	J	0.000190	0.00100	1	02/07/2024 04:48	WG2221393
Trichlorofluoromethane	U		0.000160	0.00500	1	02/07/2024 04:48	WG2221393
1,2,3-Trichloropropane	U		0.000237	0.00250	1	02/07/2024 04:48	WG2221393
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	02/07/2024 04:48	WG2221393
1,2,3-Trimethylbenzene	U		0.000104	0.00100	1	02/07/2024 04:48	WG2221393
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	02/07/2024 04:48	WG2221393
Vinyl chloride	U		0.000234	0.00100	1	02/07/2024 04:48	WG2221393
Xylenes, Total	U		0.000174	0.00300	1	02/07/2024 04:48	WG2221393
(S) Toluene-d8	*106*			*80.0-120*		*02/07/2024 04:48*	WG2221393
(S) 4-Bromofluorobenzene	*98.3*			*77.0-126*		*02/07/2024 04:48*	WG2221393
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*02/07/2024 04:48*	WG2221393

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.442		0.0247	0.100	1	02/01/2024 02:34	WG2215742
(S) o-Terphenyl	*93.7*			*31.0-160*		*02/01/2024 02:34*	WG2215742

Wet Chemistry by Method 1664A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH - Oil & Grease	U		0.771	5.32	1	01/31/2024 14:39	WG2216399

Sample Narrative:

L1699664-03 WG2216399: Total Oil&Grease is non-detect. Extract was not processed through silica gel.

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/MS) Low Fraction	U		0.216	1.00	2	02/06/2024 23:20	WG2221393
Acetone	U		0.0226	0.100	2	02/06/2024 23:20	WG2221393
Acrolein	U	J4	0.00508	0.100	2	02/06/2024 23:20	WG2221393
Acrylonitrile	U		0.00134	0.0200	2	02/06/2024 23:20	WG2221393
Benzene	U		0.000188	0.00200	2	02/06/2024 23:20	WG2221393
Bromobenzene	U		0.000236	0.00200	2	02/06/2024 23:20	WG2221393
Bromodichloromethane	U		0.000272	0.00200	2	02/06/2024 23:20	WG2221393
Bromoform	U		0.000258	0.00200	2	02/06/2024 23:20	WG2221393
Bromomethane	U		0.00121	0.0100	2	02/06/2024 23:20	WG2221393
n-Butylbenzene	U		0.000314	0.00200	2	02/06/2024 23:20	WG2221393
sec-Butylbenzene	U		0.000250	0.00200	2	02/06/2024 23:20	WG2221393
tert-Butylbenzene	U		0.000254	0.00200	2	02/06/2024 23:20	WG2221393
Carbon tetrachloride	U		0.000256	0.00200	2	02/06/2024 23:20	WG2221393
Chlorobenzene	U		0.000232	0.00200	2	02/06/2024 23:20	WG2221393
Chlorodibromomethane	U		0.000280	0.00200	2	02/06/2024 23:20	WG2221393
Chloroethane	U		0.000384	0.0100	2	02/06/2024 23:20	WG2221393
2-Chloroethyl vinyl ether	U		0.00115	0.100	2	02/06/2024 23:20	WG2221393
Chloroform	0.000588	J	0.000222	0.0100	2	02/06/2024 23:20	WG2221393
Chloromethane	U		0.00192	0.00500	2	02/06/2024 23:20	WG2221393
2-Chlorotoluene	U		0.000212	0.00200	2	02/06/2024 23:20	WG2221393
4-Chlorotoluene	U		0.000228	0.00200	2	02/06/2024 23:20	WG2221393
1,2-Dibromo-3-Chloropropane	U		0.000552	0.0100	2	02/06/2024 23:20	WG2221393
1,2-Dibromoethane	U		0.000252	0.00200	2	02/06/2024 23:20	WG2221393
Dibromomethane	U		0.000244	0.00200	2	02/06/2024 23:20	WG2221393
1,2-Dichlorobenzene	U		0.000214	0.00200	2	02/06/2024 23:20	WG2221393
1,3-Dichlorobenzene	U		0.000220	0.00200	2	02/06/2024 23:20	WG2221393
1,4-Dichlorobenzene	U		0.000240	0.00200	2	02/06/2024 23:20	WG2221393
Dichlorodifluoromethane	U		0.000748	0.0100	2	02/06/2024 23:20	WG2221393
1,1-Dichloroethane	U		0.000200	0.00200	2	02/06/2024 23:20	WG2221393
1,2-Dichloroethane	U		0.000164	0.00200	2	02/06/2024 23:20	WG2221393
1,1-Dichloroethene	U		0.000376	0.00200	2	02/06/2024 23:20	WG2221393
cis-1,2-Dichloroethene	U		0.000252	0.00200	2	02/06/2024 23:20	WG2221393
trans-1,2-Dichloroethene	U		0.000298	0.00200	2	02/06/2024 23:20	WG2221393
1,2-Dichloropropane	U		0.000298	0.00200	2	02/06/2024 23:20	WG2221393
1,1-Dichloropropene	U		0.000284	0.00200	2	02/06/2024 23:20	WG2221393
1,3-Dichloropropane	U		0.000220	0.00200	2	02/06/2024 23:20	WG2221393
cis-1,3-Dichloropropene	U		0.000222	0.00200	2	02/06/2024 23:20	WG2221393
trans-1,3-Dichloropropene	U		0.000236	0.00200	2	02/06/2024 23:20	WG2221393
2,2-Dichloropropane	U		0.000322	0.00200	2	02/06/2024 23:20	WG2221393
Di-isopropyl ether	U		0.000210	0.00200	2	02/06/2024 23:20	WG2221393
Ethylbenzene	U		0.000274	0.00200	2	02/06/2024 23:20	WG2221393
Hexachloro-1,3-butadiene	U		0.000674	0.00200	2	02/06/2024 23:20	WG2221393
Isopropylbenzene	U		0.000210	0.00200	2	02/06/2024 23:20	WG2221393
p-Isopropyltoluene	U		0.000240	0.00200	2	02/06/2024 23:20	WG2221393
2-Butanone (MEK)	U		0.00238	0.0200	2	02/06/2024 23:20	WG2221393
Methylene Chloride	U		0.000860	0.0100	2	02/06/2024 23:20	WG2221393
4-Methyl-2-pentanone (MIBK)	U		0.000956	0.0200	2	02/06/2024 23:20	WG2221393

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000202	0.00200	2	02/06/2024 23:20	WG2221393
Naphthalene	U		0.00200	0.0100	2	02/06/2024 23:20	WG2221393
n-Propylbenzene	U		0.000199	0.00200	2	02/06/2024 23:20	WG2221393
Styrene	U		0.000236	0.00200	2	02/06/2024 23:20	WG2221393
1,1,1,2-Tetrachloroethane	U		0.000294	0.00200	2	02/06/2024 23:20	WG2221393
1,1,2,2-Tetrachloroethane	U		0.000266	0.00200	2	02/06/2024 23:20	WG2221393
1,1,2-Trichlorotrifluoroethane	U		0.000360	0.00200	2	02/06/2024 23:20	WG2221393
Tetrachloroethene	U		0.000600	0.00200	2	02/06/2024 23:20	WG2221393
Toluene	U		0.000556	0.00200	2	02/06/2024 23:20	WG2221393
1,2,3-Trichlorobenzene	U		0.000460	0.00200	2	02/06/2024 23:20	WG2221393
1,2,4-Trichlorobenzene	U		0.000962	0.00200	2	02/06/2024 23:20	WG2221393
1,1,1-Trichloroethane	U		0.000298	0.00200	2	02/06/2024 23:20	WG2221393
1,1,2-Trichloroethane	U		0.000316	0.00200	2	02/06/2024 23:20	WG2221393
Trichloroethene	U		0.000380	0.00200	2	02/06/2024 23:20	WG2221393
Trichlorofluoromethane	U		0.000320	0.0100	2	02/06/2024 23:20	WG2221393
1,2,3-Trichloropropane	U		0.000474	0.00500	2	02/06/2024 23:20	WG2221393
1,2,4-Trimethylbenzene	U		0.000644	0.00200	2	02/06/2024 23:20	WG2221393
1,2,3-Trimethylbenzene	U		0.000208	0.00200	2	02/06/2024 23:20	WG2221393
1,3,5-Trimethylbenzene	U		0.000208	0.00200	2	02/06/2024 23:20	WG2221393
Vinyl chloride	U		0.000468	0.00200	2	02/06/2024 23:20	WG2221393
Xylenes, Total	U		0.000348	0.00600	2	02/06/2024 23:20	WG2221393
(S) Toluene-d8	*106*			*80.0-120*		*02/06/2024 23:20*	WG2221393
(S) 4-Bromofluorobenzene	*94.4*			*77.0-126*		*02/06/2024 23:20*	WG2221393
(S) 1,2-Dichloroethane-d4	*98.0*			*70.0-130*		*02/06/2024 23:20*	WG2221393

Sample Narrative:

L1699664-03 WG2221393: Lowest possible dilution due to sediment in sample vial.

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.182	J	0.0566	0.229	2.29	02/01/2024 17:44	WG2214960
(S) o-Terphenyl	*83.8*			*31.0-160*		*02/01/2024 17:44*	WG2214960

Sample Narrative:

L1699664-03 WG2214960: Dilution due to matrix impact during extraction procedure

Wet Chemistry by Method 1664A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH - Oil & Grease	U		0.767	5.29	1	01/31/2024 14:39	WG2216399

Sample Narrative:

L1699664-04 WG2216399: Total Oil&Grease is non-detect. Extract was not processed through silica gel.

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/MS) Low Fraction	U		0.108	0.500	1	02/07/2024 05:09	WG2221393
Acetone	U		0.0113	0.0500	1	02/07/2024 05:09	WG2221393
Acrolein	U	J4	0.00254	0.0500	1	02/07/2024 05:09	WG2221393
Acrylonitrile	U		0.000671	0.0100	1	02/07/2024 05:09	WG2221393
Benzene	0.0000957	J	0.0000941	0.00100	1	02/07/2024 05:09	WG2221393
Bromobenzene	U		0.000118	0.00100	1	02/07/2024 05:09	WG2221393
Bromodichloromethane	U		0.000136	0.00100	1	02/07/2024 05:09	WG2221393
Bromoform	U		0.000129	0.00100	1	02/07/2024 05:09	WG2221393
Bromomethane	U		0.000605	0.00500	1	02/07/2024 05:09	WG2221393
n-Butylbenzene	U		0.000157	0.00100	1	02/07/2024 05:09	WG2221393
sec-Butylbenzene	U		0.000125	0.00100	1	02/07/2024 05:09	WG2221393
tert-Butylbenzene	U		0.000127	0.00100	1	02/07/2024 05:09	WG2221393
Carbon tetrachloride	U		0.000128	0.00100	1	02/07/2024 05:09	WG2221393
Chlorobenzene	U		0.000116	0.00100	1	02/07/2024 05:09	WG2221393
Chlorodibromomethane	U		0.000140	0.00100	1	02/07/2024 05:09	WG2221393
Chloroethane	U		0.000192	0.00500	1	02/07/2024 05:09	WG2221393
2-Chloroethyl vinyl ether	U		0.000575	0.0500	1	02/07/2024 05:09	WG2221393
Chloroform	0.000883	J	0.000111	0.00500	1	02/07/2024 05:09	WG2221393
Chloromethane	U		0.000960	0.00250	1	02/07/2024 05:09	WG2221393
2-Chlorotoluene	U		0.000106	0.00100	1	02/07/2024 05:09	WG2221393
4-Chlorotoluene	U		0.000114	0.00100	1	02/07/2024 05:09	WG2221393
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	02/07/2024 05:09	WG2221393
1,2-Dibromoethane	U		0.000126	0.00100	1	02/07/2024 05:09	WG2221393
Dibromomethane	U		0.000122	0.00100	1	02/07/2024 05:09	WG2221393
1,2-Dichlorobenzene	U		0.000107	0.00100	1	02/07/2024 05:09	WG2221393
1,3-Dichlorobenzene	U		0.000110	0.00100	1	02/07/2024 05:09	WG2221393
1,4-Dichlorobenzene	U		0.000120	0.00100	1	02/07/2024 05:09	WG2221393
Dichlorodifluoromethane	U		0.000374	0.00500	1	02/07/2024 05:09	WG2221393
1,1-Dichloroethane	U		0.000100	0.00100	1	02/07/2024 05:09	WG2221393
1,2-Dichloroethane	U		0.0000819	0.00100	1	02/07/2024 05:09	WG2221393
1,1-Dichloroethene	U		0.000188	0.00100	1	02/07/2024 05:09	WG2221393
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	02/07/2024 05:09	WG2221393
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	02/07/2024 05:09	WG2221393
1,2-Dichloropropane	U		0.000149	0.00100	1	02/07/2024 05:09	WG2221393
1,1-Dichloropropene	U		0.000142	0.00100	1	02/07/2024 05:09	WG2221393
1,3-Dichloropropane	U		0.000110	0.00100	1	02/07/2024 05:09	WG2221393
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	02/07/2024 05:09	WG2221393
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	02/07/2024 05:09	WG2221393
2,2-Dichloropropane	U		0.000161	0.00100	1	02/07/2024 05:09	WG2221393
Di-isopropyl ether	U		0.000105	0.00100	1	02/07/2024 05:09	WG2221393
Ethylbenzene	U		0.000137	0.00100	1	02/07/2024 05:09	WG2221393
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	02/07/2024 05:09	WG2221393
Isopropylbenzene	U		0.000105	0.00100	1	02/07/2024 05:09	WG2221393
p-Isopropyltoluene	U		0.000120	0.00100	1	02/07/2024 05:09	WG2221393
2-Butanone (MEK)	U		0.00119	0.0100	1	02/07/2024 05:09	WG2221393
Methylene Chloride	U		0.000430	0.00500	1	02/07/2024 05:09	WG2221393
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	02/07/2024 05:09	WG2221393

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000101	0.00100	1	02/07/2024 05:09	WG2221393
Naphthalene	U		0.00100	0.00500	1	02/07/2024 05:09	WG2221393
n-Propylbenzene	U		0.0000993	0.00100	1	02/07/2024 05:09	WG2221393
Styrene	U		0.000118	0.00100	1	02/07/2024 05:09	WG2221393
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	02/07/2024 05:09	WG2221393
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	02/07/2024 05:09	WG2221393
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100	1	02/07/2024 05:09	WG2221393
Tetrachloroethene	U		0.000300	0.00100	1	02/07/2024 05:09	WG2221393
Toluene	U		0.000278	0.00100	1	02/07/2024 05:09	WG2221393
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	02/07/2024 05:09	WG2221393
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	02/07/2024 05:09	WG2221393
1,1,1-Trichloroethane	U		0.000149	0.00100	1	02/07/2024 05:09	WG2221393
1,1,2-Trichloroethane	U		0.000158	0.00100	1	02/07/2024 05:09	WG2221393
Trichloroethene	0.00233		0.000190	0.00100	1	02/07/2024 05:09	WG2221393
Trichlorofluoromethane	U		0.000160	0.00500	1	02/07/2024 05:09	WG2221393
1,2,3-Trichloropropane	U		0.000237	0.00250	1	02/07/2024 05:09	WG2221393
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	02/07/2024 05:09	WG2221393
1,2,3-Trimethylbenzene	U		0.000104	0.00100	1	02/07/2024 05:09	WG2221393
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	02/07/2024 05:09	WG2221393
Vinyl chloride	U		0.000234	0.00100	1	02/07/2024 05:09	WG2221393
Xylenes, Total	U		0.000174	0.00300	1	02/07/2024 05:09	WG2221393
(S) Toluene-d8	*107*			*80.0-120*		*02/07/2024 05:09*	WG2221393
(S) 4-Bromofluorobenzene	*95.5*			*77.0-126*		*02/07/2024 05:09*	WG2221393
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*02/07/2024 05:09*	WG2221393

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.210		0.0494	0.200	2	02/01/2024 02:54	WG2215742
(S) o-Terphenyl	*91.6*			*31.0-160*		*02/01/2024 02:54*	WG2215742

Sample Narrative:

L1699664-04 WG2215742: Dilution due to matrix impact during extraction procedure.

Wet Chemistry by Method 1664A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH - Oil & Grease	U		0.771	5.32	1	01/31/2024 14:39	WG2216399

Sample Narrative:

L1699664-05 WG2216399: Total Oil&Grease is non-detect. Extract was not processed through silica gel.

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/MS) Low Fraction	U		0.216	1.00	2	02/06/2024 23:41	WG2221393
Acetone	U		0.0226	0.100	2	02/06/2024 23:41	WG2221393
Acrolein	U	J4	0.00508	0.100	2	02/06/2024 23:41	WG2221393
Acrylonitrile	U		0.00134	0.0200	2	02/06/2024 23:41	WG2221393
Benzene	U		0.000188	0.00200	2	02/06/2024 23:41	WG2221393
Bromobenzene	U		0.000236	0.00200	2	02/06/2024 23:41	WG2221393
Bromodichloromethane	U		0.000272	0.00200	2	02/06/2024 23:41	WG2221393
Bromoform	U		0.000258	0.00200	2	02/06/2024 23:41	WG2221393
Bromomethane	U		0.00121	0.0100	2	02/06/2024 23:41	WG2221393
n-Butylbenzene	U		0.000314	0.00200	2	02/06/2024 23:41	WG2221393
sec-Butylbenzene	U		0.000250	0.00200	2	02/06/2024 23:41	WG2221393
tert-Butylbenzene	U		0.000254	0.00200	2	02/06/2024 23:41	WG2221393
Carbon tetrachloride	U		0.000256	0.00200	2	02/06/2024 23:41	WG2221393
Chlorobenzene	U		0.000232	0.00200	2	02/06/2024 23:41	WG2221393
Chlorodibromomethane	U		0.000280	0.00200	2	02/06/2024 23:41	WG2221393
Chloroethane	U		0.000384	0.0100	2	02/06/2024 23:41	WG2221393
2-Chloroethyl vinyl ether	U		0.00115	0.100	2	02/06/2024 23:41	WG2221393
Chloroform	0.000549	J	0.000222	0.0100	2	02/06/2024 23:41	WG2221393
Chloromethane	U		0.00192	0.00500	2	02/06/2024 23:41	WG2221393
2-Chlorotoluene	U		0.000212	0.00200	2	02/06/2024 23:41	WG2221393
4-Chlorotoluene	U		0.000228	0.00200	2	02/06/2024 23:41	WG2221393
1,2-Dibromo-3-Chloropropane	U		0.000552	0.0100	2	02/06/2024 23:41	WG2221393
1,2-Dibromoethane	U		0.000252	0.00200	2	02/06/2024 23:41	WG2221393
Dibromomethane	U		0.000244	0.00200	2	02/06/2024 23:41	WG2221393
1,2-Dichlorobenzene	U		0.000214	0.00200	2	02/06/2024 23:41	WG2221393
1,3-Dichlorobenzene	U		0.000220	0.00200	2	02/06/2024 23:41	WG2221393
1,4-Dichlorobenzene	U		0.000240	0.00200	2	02/06/2024 23:41	WG2221393
Dichlorodifluoromethane	U		0.000748	0.0100	2	02/06/2024 23:41	WG2221393
1,1-Dichloroethane	U		0.000200	0.00200	2	02/06/2024 23:41	WG2221393
1,2-Dichloroethane	U		0.000164	0.00200	2	02/06/2024 23:41	WG2221393
1,1-Dichloroethene	U		0.000376	0.00200	2	02/06/2024 23:41	WG2221393
cis-1,2-Dichloroethene	U		0.000252	0.00200	2	02/06/2024 23:41	WG2221393
trans-1,2-Dichloroethene	U		0.000298	0.00200	2	02/06/2024 23:41	WG2221393
1,2-Dichloropropane	U		0.000298	0.00200	2	02/06/2024 23:41	WG2221393
1,1-Dichloropropene	U		0.000284	0.00200	2	02/06/2024 23:41	WG2221393
1,3-Dichloropropane	U		0.000220	0.00200	2	02/06/2024 23:41	WG2221393
cis-1,3-Dichloropropene	U		0.000222	0.00200	2	02/06/2024 23:41	WG2221393
trans-1,3-Dichloropropene	U		0.000236	0.00200	2	02/06/2024 23:41	WG2221393
2,2-Dichloropropane	U		0.000322	0.00200	2	02/06/2024 23:41	WG2221393
Di-isopropyl ether	U		0.000210	0.00200	2	02/06/2024 23:41	WG2221393
Ethylbenzene	U		0.000274	0.00200	2	02/06/2024 23:41	WG2221393
Hexachloro-1,3-butadiene	U		0.000674	0.00200	2	02/06/2024 23:41	WG2221393
Isopropylbenzene	U		0.000210	0.00200	2	02/06/2024 23:41	WG2221393
p-Isopropyltoluene	U		0.000240	0.00200	2	02/06/2024 23:41	WG2221393
2-Butanone (MEK)	U		0.00238	0.0200	2	02/06/2024 23:41	WG2221393
Methylene Chloride	U		0.000860	0.0100	2	02/06/2024 23:41	WG2221393
4-Methyl-2-pentanone (MIBK)	U		0.000956	0.0200	2	02/06/2024 23:41	WG2221393

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000202	0.00200	2	02/06/2024 23:41	WG2221393
Naphthalene	U		0.00200	0.0100	2	02/06/2024 23:41	WG2221393
n-Propylbenzene	U		0.000199	0.00200	2	02/06/2024 23:41	WG2221393
Styrene	U		0.000236	0.00200	2	02/06/2024 23:41	WG2221393
1,1,1,2-Tetrachloroethane	U		0.000294	0.00200	2	02/06/2024 23:41	WG2221393
1,1,2,2-Tetrachloroethane	U		0.000266	0.00200	2	02/06/2024 23:41	WG2221393
1,1,2-Trichlorotrifluoroethane	U		0.000360	0.00200	2	02/06/2024 23:41	WG2221393
Tetrachloroethene	U		0.000600	0.00200	2	02/06/2024 23:41	WG2221393
Toluene	U		0.000556	0.00200	2	02/06/2024 23:41	WG2221393
1,2,3-Trichlorobenzene	U		0.000460	0.00200	2	02/06/2024 23:41	WG2221393
1,2,4-Trichlorobenzene	U		0.000962	0.00200	2	02/06/2024 23:41	WG2221393
1,1,1-Trichloroethane	U		0.000298	0.00200	2	02/06/2024 23:41	WG2221393
1,1,2-Trichloroethane	U		0.000316	0.00200	2	02/06/2024 23:41	WG2221393
Trichloroethene	U		0.000380	0.00200	2	02/06/2024 23:41	WG2221393
Trichlorofluoromethane	U		0.000320	0.0100	2	02/06/2024 23:41	WG2221393
1,2,3-Trichloropropane	U		0.000474	0.00500	2	02/06/2024 23:41	WG2221393
1,2,4-Trimethylbenzene	U		0.000644	0.00200	2	02/06/2024 23:41	WG2221393
1,2,3-Trimethylbenzene	U		0.000208	0.00200	2	02/06/2024 23:41	WG2221393
1,3,5-Trimethylbenzene	U		0.000208	0.00200	2	02/06/2024 23:41	WG2221393
Vinyl chloride	U		0.000468	0.00200	2	02/06/2024 23:41	WG2221393
Xylenes, Total	U		0.000348	0.00600	2	02/06/2024 23:41	WG2221393
(S) Toluene-d8	*109*			*80.0-120*		*02/06/2024 23:41*	WG2221393
(S) 4-Bromofluorobenzene	*94.9*			*77.0-126*		*02/06/2024 23:41*	WG2221393
(S) 1,2-Dichloroethane-d4	*97.1*			*70.0-130*		*02/06/2024 23:41*	WG2221393

Sample Narrative:

L1699664-05 WG2221393: Lowest possible dilution due to sediment in sample vial.

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0883	J	0.0566	0.229	2.29	02/01/2024 18:05	WG2214960
(S) o-Terphenyl	*75.4*			*31.0-160*		*02/01/2024 18:05*	WG2214960

Sample Narrative:

L1699664-05 WG2214960: Dilution due to matrix impact during extraction procedure

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/MS) Low Fraction	U		0.108	0.500	1	02/07/2024 02:24	WG2221393
Acetone	U		0.0113	0.0500	1	02/07/2024 02:24	WG2221393
Acrolein	U	J4	0.00254	0.0500	1	02/07/2024 02:24	WG2221393
Acrylonitrile	U		0.000671	0.0100	1	02/07/2024 02:24	WG2221393
Benzene	U		0.0000941	0.00100	1	02/07/2024 02:24	WG2221393
Bromobenzene	U		0.000118	0.00100	1	02/07/2024 02:24	WG2221393
Bromodichloromethane	U		0.000136	0.00100	1	02/07/2024 02:24	WG2221393
Bromoform	U		0.000129	0.00100	1	02/07/2024 02:24	WG2221393
Bromomethane	U		0.000605	0.00500	1	02/07/2024 02:24	WG2221393
n-Butylbenzene	U		0.000157	0.00100	1	02/07/2024 02:24	WG2221393
sec-Butylbenzene	U		0.000125	0.00100	1	02/07/2024 02:24	WG2221393
tert-Butylbenzene	U		0.000127	0.00100	1	02/07/2024 02:24	WG2221393
Carbon tetrachloride	U		0.000128	0.00100	1	02/07/2024 02:24	WG2221393
Chlorobenzene	U		0.000116	0.00100	1	02/07/2024 02:24	WG2221393
Chlorodibromomethane	U		0.000140	0.00100	1	02/07/2024 02:24	WG2221393
Chloroethane	U		0.000192	0.00500	1	02/07/2024 02:24	WG2221393
2-Chloroethyl vinyl ether	U		0.000575	0.0500	1	02/07/2024 02:24	WG2221393
Chloroform	U		0.000111	0.00500	1	02/07/2024 02:24	WG2221393
Chloromethane	U		0.000960	0.00250	1	02/07/2024 02:24	WG2221393
2-Chlorotoluene	U		0.000106	0.00100	1	02/07/2024 02:24	WG2221393
4-Chlorotoluene	U		0.000114	0.00100	1	02/07/2024 02:24	WG2221393
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	02/07/2024 02:24	WG2221393
1,2-Dibromoethane	U		0.000126	0.00100	1	02/07/2024 02:24	WG2221393
Dibromomethane	U		0.000122	0.00100	1	02/07/2024 02:24	WG2221393
1,2-Dichlorobenzene	U		0.000107	0.00100	1	02/07/2024 02:24	WG2221393
1,3-Dichlorobenzene	U		0.000110	0.00100	1	02/07/2024 02:24	WG2221393
1,4-Dichlorobenzene	U		0.000120	0.00100	1	02/07/2024 02:24	WG2221393
Dichlorodifluoromethane	U		0.000374	0.00500	1	02/07/2024 02:24	WG2221393
1,1-Dichloroethane	U		0.000100	0.00100	1	02/07/2024 02:24	WG2221393
1,2-Dichloroethane	U		0.0000819	0.00100	1	02/07/2024 02:24	WG2221393
1,1-Dichloroethene	U		0.000188	0.00100	1	02/07/2024 02:24	WG2221393
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	02/07/2024 02:24	WG2221393
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	02/07/2024 02:24	WG2221393
1,2-Dichloropropane	U		0.000149	0.00100	1	02/07/2024 02:24	WG2221393
1,1-Dichloropropene	U		0.000142	0.00100	1	02/07/2024 02:24	WG2221393
1,3-Dichloropropane	U		0.000110	0.00100	1	02/07/2024 02:24	WG2221393
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	02/07/2024 02:24	WG2221393
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	02/07/2024 02:24	WG2221393
2,2-Dichloropropane	U		0.000161	0.00100	1	02/07/2024 02:24	WG2221393
Di-isopropyl ether	U		0.000105	0.00100	1	02/07/2024 02:24	WG2221393
Ethylbenzene	U		0.000137	0.00100	1	02/07/2024 02:24	WG2221393
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	02/07/2024 02:24	WG2221393
Isopropylbenzene	U		0.000105	0.00100	1	02/07/2024 02:24	WG2221393
p-Isopropyltoluene	U		0.000120	0.00100	1	02/07/2024 02:24	WG2221393
2-Butanone (MEK)	U		0.00119	0.0100	1	02/07/2024 02:24	WG2221393
Methylene Chloride	0.000536	J	0.000430	0.00500	1	02/07/2024 02:24	WG2221393
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	02/07/2024 02:24	WG2221393
Methyl tert-butyl ether	U		0.000101	0.00100	1	02/07/2024 02:24	WG2221393
Naphthalene	U		0.00100	0.00500	1	02/07/2024 02:24	WG2221393
n-Propylbenzene	U		0.0000993	0.00100	1	02/07/2024 02:24	WG2221393
Styrene	U		0.000118	0.00100	1	02/07/2024 02:24	WG2221393
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	02/07/2024 02:24	WG2221393
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	02/07/2024 02:24	WG2221393
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100	1	02/07/2024 02:24	WG2221393
Tetrachloroethene	U		0.000300	0.00100	1	02/07/2024 02:24	WG2221393
Toluene	0.000486	J	0.000278	0.00100	1	02/07/2024 02:24	WG2221393

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	02/07/2024 02:24	WG2221393
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	02/07/2024 02:24	WG2221393
1,1,1-Trichloroethane	U		0.000149	0.00100	1	02/07/2024 02:24	WG2221393
1,1,2-Trichloroethane	U		0.000158	0.00100	1	02/07/2024 02:24	WG2221393
Trichloroethene	U		0.000190	0.00100	1	02/07/2024 02:24	WG2221393
Trichlorofluoromethane	U		0.000160	0.00500	1	02/07/2024 02:24	WG2221393
1,2,3-Trichloropropane	U		0.000237	0.00250	1	02/07/2024 02:24	WG2221393
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	02/07/2024 02:24	WG2221393
1,2,3-Trimethylbenzene	U		0.000104	0.00100	1	02/07/2024 02:24	WG2221393
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	02/07/2024 02:24	WG2221393
Vinyl chloride	U		0.000234	0.00100	1	02/07/2024 02:24	WG2221393
Xylenes, Total	U		0.000174	0.00300	1	02/07/2024 02:24	WG2221393
(S) Toluene-d8	*107*			*80.0-120*		*02/07/2024 02:24*	WG2221393
(S) 4-Bromofluorobenzene	*95.3*			*77.0-126*		*02/07/2024 02:24*	WG2221393
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*02/07/2024 02:24*	WG2221393

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.3		1	01/31/2024 08:33	WG2216044

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	6.83		0.116	0.259	5	01/31/2024 13:08	WG2216269

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	36.4		0.670	2.59	1	02/01/2024 16:04	WG2216885
Barium	120		0.110	0.646	1	02/01/2024 16:04	WG2216885
Cadmium	8.44		0.0609	0.646	1	02/01/2024 16:04	WG2216885
Chromium	18.3		0.172	1.29	1	02/01/2024 16:04	WG2216885
Lead	927		0.269	0.646	1	02/01/2024 16:04	WG2216885
Selenium	1.79	J	0.988	2.59	1	02/01/2024 16:04	WG2216885
Silver	5.78		0.164	1.29	1	02/01/2024 16:04	WG2216885

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.5		1	01/31/2024 08:33	WG2216044

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	45.2		1.04	2.31	50	01/31/2024 14:04	WG2216269

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	79.5		0.599	2.31	1	02/01/2024 16:06	WG2216885
Barium	139		0.0985	0.578	1	02/01/2024 16:06	WG2216885
Cadmium	33.4		0.0545	0.578	1	02/01/2024 16:06	WG2216885
Chromium	18.9		0.154	1.16	1	02/01/2024 16:06	WG2216885
Lead	2450		0.241	0.578	1	02/01/2024 16:06	WG2216885
Selenium	2.69		0.884	2.31	1	02/01/2024 16:06	WG2216885
Silver	12.5		0.147	1.16	1	02/01/2024 16:06	WG2216885

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.3		1	01/31/2024 08:33	WG2216044

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	4.99		0.101	0.224	5	01/31/2024 13:48	WG2216269

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	41.2		0.580	2.24	1	02/01/2024 16:07	WG2216885
Barium	75.2		0.0954	0.560	1	02/01/2024 16:07	WG2216885
Cadmium	19.2		0.0527	0.560	1	02/01/2024 16:07	WG2216885
Chromium	23.3		0.149	1.12	1	02/01/2024 16:07	WG2216885
Lead	1080		0.233	0.560	1	02/01/2024 16:07	WG2216885
Selenium	2.13	J	0.856	2.24	1	02/01/2024 16:07	WG2216885
Silver	5.57		0.142	1.12	1	02/01/2024 16:07	WG2216885

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.4		1	01/31/2024 08:33	WG2216044

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	02/01/2024 16:01	WG2217639

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	0.586	1	02/02/2024 13:40	WG2218625
Acetone	U		0.0242	0.0586	1	02/02/2024 13:40	WG2218625
Acrylonitrile	U		0.00237	0.0117	1	02/02/2024 13:40	WG2218625
Benzene	U		0.000439	0.00117	1	02/02/2024 13:40	WG2218625
Bromobenzene	U		0.000322	0.00117	1	02/02/2024 13:40	WG2218625
Bromodichloromethane	U		0.000849	0.00117	1	02/02/2024 13:40	WG2218625
Bromoform	U		0.000497	0.00117	1	02/02/2024 13:40	WG2218625
Bromomethane	U		0.00137	0.00586	1	02/02/2024 13:40	WG2218625
n-Butylbenzene	U		0.000302	0.00117	1	02/02/2024 13:40	WG2218625
sec-Butylbenzene	U		0.000235	0.00117	1	02/02/2024 13:40	WG2218625
tert-Butylbenzene	U		0.000241	0.00117	1	02/02/2024 13:40	WG2218625
Carbon tetrachloride	U		0.000290	0.00117	1	02/02/2024 13:40	WG2218625
Chlorobenzene	U		0.000225	0.00117	1	02/02/2024 13:40	WG2218625
Chlorodibromomethane	U		0.000262	0.00117	1	02/02/2024 13:40	WG2218625
Chloroethane	U		0.00117	0.00586	1	02/02/2024 13:40	WG2218625
Chloroform	U		0.00121	0.00586	1	02/02/2024 13:40	WG2218625
Chloromethane	U		0.000761	0.00293	1	02/02/2024 13:40	WG2218625
2-Chlorotoluene	U		0.000263	0.00117	1	02/02/2024 13:40	WG2218625
4-Chlorotoluene	U		0.000809	0.00117	1	02/02/2024 13:40	WG2218625
1,2-Dibromo-3-Chloropropane	U		0.00223	0.00586	1	02/02/2024 13:40	WG2218625
1,2-Dibromoethane	U		0.000293	0.00117	1	02/02/2024 13:40	WG2218625
Dibromomethane	U		0.000410	0.00117	1	02/02/2024 13:40	WG2218625
1,2-Dichlorobenzene	U		0.000498	0.00117	1	02/02/2024 13:40	WG2218625
1,3-Dichlorobenzene	U		0.000703	0.00117	1	02/02/2024 13:40	WG2218625
1,4-Dichlorobenzene	U		0.000972	0.00117	1	02/02/2024 13:40	WG2218625
Dichlorodifluoromethane	U		0.000336	0.00586	1	02/02/2024 13:40	WG2218625
1,1-Dichloroethane	U		0.000314	0.00117	1	02/02/2024 13:40	WG2218625
1,2-Dichloroethane	U		0.000527	0.00117	1	02/02/2024 13:40	WG2218625
1,1-Dichloroethene	U		0.000416	0.00117	1	02/02/2024 13:40	WG2218625
cis-1,2-Dichloroethene	U		0.000556	0.00117	1	02/02/2024 13:40	WG2218625
trans-1,2-Dichloroethene	U		0.000586	0.00117	1	02/02/2024 13:40	WG2218625
1,2-Dichloropropane	U		0.000192	0.00117	1	02/02/2024 13:40	WG2218625
1,1-Dichloropropene	U		0.000439	0.00117	1	02/02/2024 13:40	WG2218625
1,3-Dichloropropane	U		0.000263	0.00117	1	02/02/2024 13:40	WG2218625
cis-1,3-Dichloropropene	U		0.000498	0.00117	1	02/02/2024 13:40	WG2218625
trans-1,3-Dichloropropene	U		0.000790	0.00117	1	02/02/2024 13:40	WG2218625
2,2-Dichloropropane	U		0.000439	0.00117	1	02/02/2024 13:40	WG2218625
Di-isopropyl ether	U		0.000259	0.00117	1	02/02/2024 13:40	WG2218625
Ethylbenzene	U		0.000351	0.00117	1	02/02/2024 13:40	WG2218625
Hexachloro-1,3-butadiene	U		0.000401	0.00117	1	02/02/2024 13:40	WG2218625
Isopropylbenzene	U		0.000498	0.00117	1	02/02/2024 13:40	WG2218625
p-Isopropyltoluene	U		0.000239	0.00117	1	02/02/2024 13:40	WG2218625
2-Butanone (MEK)	U		0.00548	0.0117	1	02/02/2024 13:40	WG2218625
Methylene Chloride	U		0.00117	0.00586	1	02/02/2024 13:40	WG2218625
4-Methyl-2-pentanone (MIBK)	U		0.00111	0.0117	1	02/02/2024 13:40	WG2218625

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
Methyl tert-butyl ether	U		0.000410	0.00117	1	02/02/2024 13:40	WG2218625
Naphthalene	U		0.00583	0.00586	1	02/02/2024 13:40	WG2218625
n-Propylbenzene	U		0.000241	0.00117	1	02/02/2024 13:40	WG2218625
Styrene	U		0.000261	0.00117	1	02/02/2024 13:40	WG2218625
1,1,1,2-Tetrachloroethane	U		0.000347	0.00117	1	02/02/2024 13:40	WG2218625
1,1,2,2-Tetrachloroethane	U		0.000271	0.00117	1	02/02/2024 13:40	WG2218625
1,1,2-Trichlorotrifluoroethane	U		0.000499	0.00117	1	02/02/2024 13:40	WG2218625
Tetrachloroethene	U		0.000381	0.00117	1	02/02/2024 13:40	WG2218625
Toluene	U		0.00144	0.00586	1	02/02/2024 13:40	WG2218625
1,2,3-Trichlorobenzene	U		0.000358	0.00117	1	02/02/2024 13:40	WG2218625
1,2,4-Trichlorobenzene	U		0.000454	0.00117	1	02/02/2024 13:40	WG2218625
1,1,1-Trichloroethane	U		0.000433	0.00117	1	02/02/2024 13:40	WG2218625
1,1,2-Trichloroethane	U		0.000498	0.00117	1	02/02/2024 13:40	WG2218625
Trichloroethene	U		0.000234	0.00117	1	02/02/2024 13:40	WG2218625
Trichlorofluoromethane	U		0.000417	0.00586	1	02/02/2024 13:40	WG2218625
1,2,3-Trichloropropane	U		0.000286	0.00293	1	02/02/2024 13:40	WG2218625
1,2,4-Trimethylbenzene	U		0.000247	0.00117	1	02/02/2024 13:40	WG2218625
1,2,3-Trimethylbenzene	U		0.000336	0.00117	1	02/02/2024 13:40	WG2218625
1,3,5-Trimethylbenzene	U		0.000312	0.00117	1	02/02/2024 13:40	WG2218625
Vinyl chloride	U		0.000265	0.00117	1	02/02/2024 13:40	WG2218625
Xylenes, Total	U		0.000586	0.00351	1	02/02/2024 13:40	WG2218625
(S) Toluene-d8	*104*			*75.0-131*		*02/02/2024 13:40*	WG2218625
(S) 4-Bromofluorobenzene	*94.8*			*67.0-138*		*02/02/2024 13:40*	WG2218625
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*02/02/2024 13:40*	WG2218625

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	1.10	J	0.901	4.68	1	01/31/2024 09:36	WG2215736
(S) o-Terphenyl	*41.4*			*18.0-148*		*01/31/2024 09:36*	WG2215736

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.3		1	01/31/2024 08:33	WG2216044

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.110		0.0197	0.0438	1	01/31/2024 22:22	WG2216438

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	11.9		0.567	2.19	1	02/01/2024 15:44	WG2216885
Barium	117		0.0933	0.548	1	02/01/2024 15:44	WG2216885
Cadmium	1.48		0.0516	0.548	1	02/01/2024 15:44	WG2216885
Chromium	12.9		0.146	1.10	1	02/01/2024 15:44	WG2216885
Lead	201		0.228	0.548	1	02/01/2024 15:44	WG2216885
Selenium	2.76		0.837	2.19	1	02/01/2024 15:44	WG2216885
Silver	1.49		0.139	1.10	1	02/01/2024 15:44	WG2216885

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.6		1	01/31/2024 08:33	WG2216044

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0234	J	0.0196	0.0437	1	01/31/2024 22:15	WG2216438

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	21.8		0.565	2.18	1	02/01/2024 15:46	WG2216885
Barium	73.0		0.0930	0.546	1	02/01/2024 15:46	WG2216885
Cadmium	1.48		0.0514	0.546	1	02/01/2024 15:46	WG2216885
Chromium	29.0		0.145	1.09	1	02/01/2024 15:46	WG2216885
Lead	225		0.227	0.546	1	02/01/2024 15:46	WG2216885
Selenium	3.12		0.834	2.18	1	02/01/2024 15:46	WG2216885
Silver	U		0.139	1.09	1	02/01/2024 15:46	WG2216885

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.7		1	01/31/2024 08:33	WG2216044

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		0.0192	0.0427	1	01/31/2024 22:25	WG2216438

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	16.6		0.553	2.13	1	02/01/2024 15:47	WG2216885
Barium	64.5		0.0909	0.534	1	02/01/2024 15:47	WG2216885
Cadmium	0.788		0.0503	0.534	1	02/01/2024 15:47	WG2216885
Chromium	26.3		0.142	1.07	1	02/01/2024 15:47	WG2216885
Lead	57.4		0.222	0.534	1	02/01/2024 15:47	WG2216885
Selenium	1.14	J	0.815	2.13	1	02/01/2024 15:47	WG2216885
Silver	U		0.136	1.07	1	02/01/2024 15:47	WG2216885

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.4		1	01/31/2024 08:33	WG2216044

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	87.5	J	36.5	111	1	02/01/2024 16:01	WG2217639

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		0.202	0.553	1	02/02/2024 14:01	WG2218625
Acetone	U		0.0229	0.0553	1	02/02/2024 14:01	WG2218625
Acrylonitrile	U		0.00223	0.0111	1	02/02/2024 14:01	WG2218625
Benzene	U		0.000415	0.00111	1	02/02/2024 14:01	WG2218625
Bromobenzene	U		0.000304	0.00111	1	02/02/2024 14:01	WG2218625
Bromodichloromethane	U		0.000802	0.00111	1	02/02/2024 14:01	WG2218625
Bromoform	U		0.000469	0.00111	1	02/02/2024 14:01	WG2218625
Bromomethane	U		0.00129	0.00553	1	02/02/2024 14:01	WG2218625
n-Butylbenzene	U		0.000285	0.00111	1	02/02/2024 14:01	WG2218625
sec-Butylbenzene	U		0.000222	0.00111	1	02/02/2024 14:01	WG2218625
tert-Butylbenzene	U		0.000228	0.00111	1	02/02/2024 14:01	WG2218625
Carbon tetrachloride	U		0.000274	0.00111	1	02/02/2024 14:01	WG2218625
Chlorobenzene	U		0.000212	0.00111	1	02/02/2024 14:01	WG2218625
Chlorodibromomethane	U		0.000248	0.00111	1	02/02/2024 14:01	WG2218625
Chloroethane	U		0.00111	0.00553	1	02/02/2024 14:01	WG2218625
Chloroform	U		0.00114	0.00553	1	02/02/2024 14:01	WG2218625
Chloromethane	U		0.000719	0.00277	1	02/02/2024 14:01	WG2218625
2-Chlorotoluene	U		0.000249	0.00111	1	02/02/2024 14:01	WG2218625
4-Chlorotoluene	U		0.000764	0.00111	1	02/02/2024 14:01	WG2218625
1,2-Dibromo-3-Chloropropane	U		0.00210	0.00553	1	02/02/2024 14:01	WG2218625
1,2-Dibromoethane	U		0.000277	0.00111	1	02/02/2024 14:01	WG2218625
Dibromomethane	U		0.000387	0.00111	1	02/02/2024 14:01	WG2218625
1,2-Dichlorobenzene	U		0.000470	0.00111	1	02/02/2024 14:01	WG2218625
1,3-Dichlorobenzene	U		0.000664	0.00111	1	02/02/2024 14:01	WG2218625
1,4-Dichlorobenzene	U		0.000918	0.00111	1	02/02/2024 14:01	WG2218625
Dichlorodifluoromethane	U		0.000318	0.00553	1	02/02/2024 14:01	WG2218625
1,1-Dichloroethane	U		0.000296	0.00111	1	02/02/2024 14:01	WG2218625
1,2-Dichloroethane	U		0.000498	0.00111	1	02/02/2024 14:01	WG2218625
1,1-Dichloroethene	U		0.000393	0.00111	1	02/02/2024 14:01	WG2218625
cis-1,2-Dichloroethene	U		0.000526	0.00111	1	02/02/2024 14:01	WG2218625
trans-1,2-Dichloroethene	U		0.000553	0.00111	1	02/02/2024 14:01	WG2218625
1,2-Dichloropropane	U		0.000181	0.00111	1	02/02/2024 14:01	WG2218625
1,1-Dichloropropene	U		0.000415	0.00111	1	02/02/2024 14:01	WG2218625
1,3-Dichloropropane	U		0.000249	0.00111	1	02/02/2024 14:01	WG2218625
cis-1,3-Dichloropropene	U		0.000470	0.00111	1	02/02/2024 14:01	WG2218625
trans-1,3-Dichloropropene	U		0.000747	0.00111	1	02/02/2024 14:01	WG2218625
2,2-Dichloropropane	U		0.000415	0.00111	1	02/02/2024 14:01	WG2218625
Di-isopropyl ether	U		0.000245	0.00111	1	02/02/2024 14:01	WG2218625
Ethylbenzene	U		0.000332	0.00111	1	02/02/2024 14:01	WG2218625
Hexachloro-1,3-butadiene	U		0.000378	0.00111	1	02/02/2024 14:01	WG2218625
Isopropylbenzene	U		0.000470	0.00111	1	02/02/2024 14:01	WG2218625
p-Isopropyltoluene	U		0.000226	0.00111	1	02/02/2024 14:01	WG2218625
2-Butanone (MEK)	U		0.00518	0.0111	1	02/02/2024 14:01	WG2218625
Methylene Chloride	U		0.00111	0.00553	1	02/02/2024 14:01	WG2218625
4-Methyl-2-pentanone (MIBK)	U		0.00105	0.0111	1	02/02/2024 14:01	WG2218625

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
Methyl tert-butyl ether	U		0.000387	0.00111	1	02/02/2024 14:01	WG2218625
Naphthalene	U		0.00551	0.00553	1	02/02/2024 14:01	WG2218625
n-Propylbenzene	U		0.000228	0.00111	1	02/02/2024 14:01	WG2218625
Styrene	U		0.000247	0.00111	1	02/02/2024 14:01	WG2218625
1,1,1,2-Tetrachloroethane	U		0.000327	0.00111	1	02/02/2024 14:01	WG2218625
1,1,2,2-Tetrachloroethane	U		0.000256	0.00111	1	02/02/2024 14:01	WG2218625
1,1,2-Trichlorotrifluoroethane	U		0.000471	0.00111	1	02/02/2024 14:01	WG2218625
Tetrachloroethene	U		0.000360	0.00111	1	02/02/2024 14:01	WG2218625
Toluene	U		0.00136	0.00553	1	02/02/2024 14:01	WG2218625
1,2,3-Trichlorobenzene	U		0.000339	0.00111	1	02/02/2024 14:01	WG2218625
1,2,4-Trichlorobenzene	U		0.000429	0.00111	1	02/02/2024 14:01	WG2218625
1,1,1-Trichloroethane	U		0.000409	0.00111	1	02/02/2024 14:01	WG2218625
1,1,2-Trichloroethane	U		0.000470	0.00111	1	02/02/2024 14:01	WG2218625
Trichloroethene	U		0.000221	0.00111	1	02/02/2024 14:01	WG2218625
Trichlorofluoromethane	U		0.000394	0.00553	1	02/02/2024 14:01	WG2218625
1,2,3-Trichloropropane	U		0.000270	0.00277	1	02/02/2024 14:01	WG2218625
1,2,4-Trimethylbenzene	U		0.000233	0.00111	1	02/02/2024 14:01	WG2218625
1,2,3-Trimethylbenzene	U		0.000318	0.00111	1	02/02/2024 14:01	WG2218625
1,3,5-Trimethylbenzene	U		0.000294	0.00111	1	02/02/2024 14:01	WG2218625
Vinyl chloride	U		0.000250	0.00111	1	02/02/2024 14:01	WG2218625
Xylenes, Total	U		0.000553	0.00332	1	02/02/2024 14:01	WG2218625
(S) Toluene-d8	*106*			*75.0-131*		*02/02/2024 14:01*	WG2218625
(S) 4-Bromofluorobenzene	*94.7*			*67.0-138*		*02/02/2024 14:01*	WG2218625
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*02/02/2024 14:01*	WG2218625

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	1.94	J	0.851	4.43	1	01/31/2024 09:49	WG2215736
(S) o-Terphenyl	*43.4*			*18.0-148*		*01/31/2024 09:49*	WG2215736

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.3		1	01/31/2024 08:33	WG2216044

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0262	J	0.0230	0.0511	1	01/31/2024 22:27	WG2216438

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	6.66		0.662	2.56	1	02/01/2024 15:49	WG2216885
Barium	197		0.109	0.639	1	02/01/2024 15:49	WG2216885
Cadmium	0.497	J	0.0602	0.639	1	02/01/2024 15:49	WG2216885
Chromium	27.1		0.170	1.28	1	02/01/2024 15:49	WG2216885
Lead	33.3		0.266	0.639	1	02/01/2024 15:49	WG2216885
Selenium	1.23	J	0.976	2.56	1	02/01/2024 15:49	WG2216885
Silver	U		0.162	1.28	1	02/01/2024 15:49	WG2216885

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.9		1	01/31/2024 08:33	WG2216044

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.521		0.0207	0.0460	1	01/31/2024 22:29	WG2216438

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		0.596	2.30	1	02/01/2024 15:51	WG2216885
Barium	117		0.0981	0.576	1	02/01/2024 15:51	WG2216885
Cadmium	1.48		0.0542	0.576	1	02/01/2024 15:51	WG2216885
Chromium	23.1		0.153	1.15	1	02/01/2024 15:51	WG2216885
Lead	206		0.239	0.576	1	02/01/2024 15:51	WG2216885
Selenium	1.07	J	0.880	2.30	1	02/01/2024 15:51	WG2216885
Silver	1.14	J	0.146	1.15	1	02/01/2024 15:51	WG2216885

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.3		1	01/30/2024 17:04	WG2216134

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.299		0.0187	0.0415	1	01/31/2024 22:32	WG2216438

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	20.9		0.538	2.08	1	02/01/2024 15:52	WG2216885
Barium	68.6		0.0885	0.519	1	02/01/2024 15:52	WG2216885
Cadmium	10.4		0.0489	0.519	1	02/01/2024 15:52	WG2216885
Chromium	28.3		0.138	1.04	1	02/01/2024 15:52	WG2216885
Lead	124		0.216	0.519	1	02/01/2024 15:52	WG2216885
Selenium	1.35	J	0.793	2.08	1	02/01/2024 15:52	WG2216885
Silver	0.207	J	0.132	1.04	1	02/01/2024 15:52	WG2216885

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.5		1	01/30/2024 17:04	WG2216134

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	66.0	J	36.9	112	1	02/01/2024 16:01	WG2217639

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		0.205	0.559	1	02/02/2024 14:23	WG2218625
Acetone	U		0.0231	0.0559	1	02/02/2024 14:23	WG2218625
Acrylonitrile	U		0.00226	0.0112	1	02/02/2024 14:23	WG2218625
Benzene	U		0.000419	0.00112	1	02/02/2024 14:23	WG2218625
Bromobenzene	U		0.000307	0.00112	1	02/02/2024 14:23	WG2218625
Bromodichloromethane	U		0.000810	0.00112	1	02/02/2024 14:23	WG2218625
Bromoform	U		0.000474	0.00112	1	02/02/2024 14:23	WG2218625
Bromomethane	U		0.00131	0.00559	1	02/02/2024 14:23	WG2218625
n-Butylbenzene	U		0.000288	0.00112	1	02/02/2024 14:23	WG2218625
sec-Butylbenzene	U		0.000225	0.00112	1	02/02/2024 14:23	WG2218625
tert-Butylbenzene	U		0.000230	0.00112	1	02/02/2024 14:23	WG2218625
Carbon tetrachloride	U		0.000277	0.00112	1	02/02/2024 14:23	WG2218625
Chlorobenzene	U		0.000215	0.00112	1	02/02/2024 14:23	WG2218625
Chlorodibromomethane	U		0.000250	0.00112	1	02/02/2024 14:23	WG2218625
Chloroethane	U		0.00112	0.00559	1	02/02/2024 14:23	WG2218625
Chloroform	U		0.00115	0.00559	1	02/02/2024 14:23	WG2218625
Chloromethane	U		0.000726	0.00279	1	02/02/2024 14:23	WG2218625
2-Chlorotoluene	U		0.000251	0.00112	1	02/02/2024 14:23	WG2218625
4-Chlorotoluene	U		0.000772	0.00112	1	02/02/2024 14:23	WG2218625
1,2-Dibromo-3-Chloropropane	U		0.00212	0.00559	1	02/02/2024 14:23	WG2218625
1,2-Dibromoethane	U		0.000279	0.00112	1	02/02/2024 14:23	WG2218625
Dibromomethane	U		0.000391	0.00112	1	02/02/2024 14:23	WG2218625
1,2-Dichlorobenzene	U		0.000475	0.00112	1	02/02/2024 14:23	WG2218625
1,3-Dichlorobenzene	U		0.000671	0.00112	1	02/02/2024 14:23	WG2218625
1,4-Dichlorobenzene	U		0.000928	0.00112	1	02/02/2024 14:23	WG2218625
Dichlorodifluoromethane	U		0.000321	0.00559	1	02/02/2024 14:23	WG2218625
1,1-Dichloroethane	U		0.000300	0.00112	1	02/02/2024 14:23	WG2218625
1,2-Dichloroethane	U		0.000503	0.00112	1	02/02/2024 14:23	WG2218625
1,1-Dichloroethene	U		0.000397	0.00112	1	02/02/2024 14:23	WG2218625
cis-1,2-Dichloroethene	U		0.000531	0.00112	1	02/02/2024 14:23	WG2218625
trans-1,2-Dichloroethene	U		0.000559	0.00112	1	02/02/2024 14:23	WG2218625
1,2-Dichloropropane	U		0.000183	0.00112	1	02/02/2024 14:23	WG2218625
1,1-Dichloropropene	U		0.000419	0.00112	1	02/02/2024 14:23	WG2218625
1,3-Dichloropropane	U		0.000251	0.00112	1	02/02/2024 14:23	WG2218625
cis-1,3-Dichloropropene	U		0.000475	0.00112	1	02/02/2024 14:23	WG2218625
trans-1,3-Dichloropropene	U		0.000754	0.00112	1	02/02/2024 14:23	WG2218625
2,2-Dichloropropane	U		0.000419	0.00112	1	02/02/2024 14:23	WG2218625
Di-isopropyl ether	U		0.000247	0.00112	1	02/02/2024 14:23	WG2218625
Ethylbenzene	U		0.000335	0.00112	1	02/02/2024 14:23	WG2218625
Hexachloro-1,3-butadiene	U		0.000382	0.00112	1	02/02/2024 14:23	WG2218625
Isopropylbenzene	U		0.000475	0.00112	1	02/02/2024 14:23	WG2218625
p-Isopropyltoluene	U		0.000228	0.00112	1	02/02/2024 14:23	WG2218625
2-Butanone (MEK)	U		0.00523	0.0112	1	02/02/2024 14:23	WG2218625
Methylene Chloride	U		0.00112	0.00559	1	02/02/2024 14:23	WG2218625
4-Methyl-2-pentanone (MIBK)	U		0.00106	0.0112	1	02/02/2024 14:23	WG2218625

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
Methyl tert-butyl ether	U		0.000391	0.00112	1	02/02/2024 14:23	WG2218625
Naphthalene	U		0.00557	0.00559	1	02/02/2024 14:23	WG2218625
n-Propylbenzene	U		0.000230	0.00112	1	02/02/2024 14:23	WG2218625
Styrene	U		0.000249	0.00112	1	02/02/2024 14:23	WG2218625
1,1,1,2-Tetrachloroethane	U		0.000331	0.00112	1	02/02/2024 14:23	WG2218625
1,1,2,2-Tetrachloroethane	U		0.000258	0.00112	1	02/02/2024 14:23	WG2218625
1,1,2-Trichlorotrifluoroethane	U		0.000476	0.00112	1	02/02/2024 14:23	WG2218625
Tetrachloroethene	U		0.000363	0.00112	1	02/02/2024 14:23	WG2218625
Toluene	U		0.00137	0.00559	1	02/02/2024 14:23	WG2218625
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	02/02/2024 14:23	WG2218625
1,2,4-Trichlorobenzene	U		0.000434	0.00112	1	02/02/2024 14:23	WG2218625
1,1,1-Trichloroethane	U		0.000414	0.00112	1	02/02/2024 14:23	WG2218625
1,1,2-Trichloroethane	U		0.000475	0.00112	1	02/02/2024 14:23	WG2218625
Trichloroethene	U		0.000224	0.00112	1	02/02/2024 14:23	WG2218625
Trichlorofluoromethane	U		0.000398	0.00559	1	02/02/2024 14:23	WG2218625
1,2,3-Trichloropropane	U		0.000273	0.00279	1	02/02/2024 14:23	WG2218625
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	02/02/2024 14:23	WG2218625
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	02/02/2024 14:23	WG2218625
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	02/02/2024 14:23	WG2218625
Vinyl chloride	U		0.000253	0.00112	1	02/02/2024 14:23	WG2218625
Xylenes, Total	U		0.000559	0.00335	1	02/02/2024 14:23	WG2218625
(S) Toluene-d8	*110*			*75.0-131*		*02/02/2024 14:23*	WG2218625
(S) 4-Bromofluorobenzene	*92.6*			*67.0-138*		*02/02/2024 14:23*	WG2218625
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*02/02/2024 14:23*	WG2218625

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	1.36	J	0.859	4.47	1	01/31/2024 10:01	WG2215736
(S) o-Terphenyl	*39.6*			*18.0-148*		*01/31/2024 10:01*	WG2215736

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.4		1	01/30/2024 17:04	WG2216134

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		0.0191	0.0424	1	01/31/2024 22:34	WG2216438

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	5.72		0.549	2.12	1	02/01/2024 15:54	WG2216885
Barium	41.9		0.0903	0.530	1	02/01/2024 15:54	WG2216885
Cadmium	0.103	J	0.0499	0.530	1	02/01/2024 15:54	WG2216885
Chromium	5.40		0.141	1.06	1	02/01/2024 15:54	WG2216885
Lead	5.13		0.220	0.530	1	02/01/2024 15:54	WG2216885
Selenium	U		0.809	2.12	1	02/01/2024 15:54	WG2216885
Silver	2.49		0.135	1.06	1	02/01/2024 15:54	WG2216885

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.2		1	01/30/2024 17:04	WG2216134

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0290	J	0.0195	0.0434	1	01/31/2024 22:42	WG2216438

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	18.4		0.562	2.17	1	02/01/2024 15:56	WG2216885
Barium	43.7		0.0924	0.542	1	02/01/2024 15:56	WG2216885
Cadmium	0.662		0.0511	0.542	1	02/01/2024 15:56	WG2216885
Chromium	21.2		0.144	1.08	1	02/01/2024 15:56	WG2216885
Lead	143		0.226	0.542	1	02/01/2024 15:56	WG2216885
Selenium	1.44	J	0.829	2.17	1	02/01/2024 15:56	WG2216885
Silver	0.291	J	0.138	1.08	1	02/01/2024 15:56	WG2216885

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.1		1	01/30/2024 17:04	WG2216134

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0201	J	0.0191	0.0425	1	01/31/2024 22:44	WG2216438

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	16.4		0.551	2.13	1	02/01/2024 15:57	WG2216885
Barium	56.0		0.0906	0.531	1	02/01/2024 15:57	WG2216885
Cadmium	0.726		0.0501	0.531	1	02/01/2024 15:57	WG2216885
Chromium	25.1		0.141	1.06	1	02/01/2024 15:57	WG2216885
Lead	65.0		0.221	0.531	1	02/01/2024 15:57	WG2216885
Selenium	1.95	J	0.812	2.13	1	02/01/2024 15:57	WG2216885
Silver	U		0.135	1.06	1	02/01/2024 15:57	WG2216885

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.3		1	01/30/2024 17:04	WG2216134

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	206		34.6	105	1	02/01/2024 16:01	WG2217639

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		0.192	0.525	1	02/02/2024 14:44	WG2218625
Acetone	U		0.0217	0.0525	1	02/02/2024 14:44	WG2218625
Acrylonitrile	U		0.00212	0.0105	1	02/02/2024 14:44	WG2218625
Benzene	U		0.000394	0.00105	1	02/02/2024 14:44	WG2218625
Bromobenzene	U		0.000289	0.00105	1	02/02/2024 14:44	WG2218625
Bromodichloromethane	U		0.000761	0.00105	1	02/02/2024 14:44	WG2218625
Bromoform	U		0.000445	0.00105	1	02/02/2024 14:44	WG2218625
Bromomethane	U		0.00123	0.00525	1	02/02/2024 14:44	WG2218625
n-Butylbenzene	U		0.000271	0.00105	1	02/02/2024 14:44	WG2218625
sec-Butylbenzene	U		0.000211	0.00105	1	02/02/2024 14:44	WG2218625
tert-Butylbenzene	U		0.000216	0.00105	1	02/02/2024 14:44	WG2218625
Carbon tetrachloride	U		0.000260	0.00105	1	02/02/2024 14:44	WG2218625
Chlorobenzene	U		0.000202	0.00105	1	02/02/2024 14:44	WG2218625
Chlorodibromomethane	U		0.000235	0.00105	1	02/02/2024 14:44	WG2218625
Chloroethane	U		0.00105	0.00525	1	02/02/2024 14:44	WG2218625
Chloroform	U		0.00108	0.00525	1	02/02/2024 14:44	WG2218625
Chloromethane	U		0.000682	0.00262	1	02/02/2024 14:44	WG2218625
2-Chlorotoluene	U		0.000236	0.00105	1	02/02/2024 14:44	WG2218625
4-Chlorotoluene	U		0.000725	0.00105	1	02/02/2024 14:44	WG2218625
1,2-Dibromo-3-Chloropropane	U		0.00199	0.00525	1	02/02/2024 14:44	WG2218625
1,2-Dibromoethane	U		0.000262	0.00105	1	02/02/2024 14:44	WG2218625
Dibromomethane	U		0.000367	0.00105	1	02/02/2024 14:44	WG2218625
1,2-Dichlorobenzene	U		0.000446	0.00105	1	02/02/2024 14:44	WG2218625
1,3-Dichlorobenzene	U		0.000630	0.00105	1	02/02/2024 14:44	WG2218625
1,4-Dichlorobenzene	U		0.000871	0.00105	1	02/02/2024 14:44	WG2218625
Dichlorodifluoromethane	U		0.000301	0.00525	1	02/02/2024 14:44	WG2218625
1,1-Dichloroethane	U		0.000281	0.00105	1	02/02/2024 14:44	WG2218625
1,2-Dichloroethane	U		0.000472	0.00105	1	02/02/2024 14:44	WG2218625
1,1-Dichloroethene	U		0.000373	0.00105	1	02/02/2024 14:44	WG2218625
cis-1,2-Dichloroethene	U		0.000499	0.00105	1	02/02/2024 14:44	WG2218625
trans-1,2-Dichloroethene	U		0.000525	0.00105	1	02/02/2024 14:44	WG2218625
1,2-Dichloropropane	U		0.000172	0.00105	1	02/02/2024 14:44	WG2218625
1,1-Dichloropropene	U		0.000394	0.00105	1	02/02/2024 14:44	WG2218625
1,3-Dichloropropane	U		0.000236	0.00105	1	02/02/2024 14:44	WG2218625
cis-1,3-Dichloropropene	U		0.000446	0.00105	1	02/02/2024 14:44	WG2218625
trans-1,3-Dichloropropene	U		0.000709	0.00105	1	02/02/2024 14:44	WG2218625
2,2-Dichloropropane	U		0.000394	0.00105	1	02/02/2024 14:44	WG2218625
Di-isopropyl ether	U		0.000232	0.00105	1	02/02/2024 14:44	WG2218625
Ethylbenzene	U		0.000315	0.00105	1	02/02/2024 14:44	WG2218625
Hexachloro-1,3-butadiene	U		0.000359	0.00105	1	02/02/2024 14:44	WG2218625
Isopropylbenzene	U		0.000446	0.00105	1	02/02/2024 14:44	WG2218625
p-Isopropyltoluene	U		0.000214	0.00105	1	02/02/2024 14:44	WG2218625
2-Butanone (MEK)	U		0.00491	0.0105	1	02/02/2024 14:44	WG2218625
Methylene Chloride	U		0.00105	0.00525	1	02/02/2024 14:44	WG2218625
4-Methyl-2-pentanone (MIBK)	U		0.000997	0.0105	1	02/02/2024 14:44	WG2218625

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
Methyl tert-butyl ether	U		0.000367	0.00105	1	02/02/2024 14:44	WG2218625
Naphthalene	U		0.00523	0.00525	1	02/02/2024 14:44	WG2218625
n-Propylbenzene	U		0.000216	0.00105	1	02/02/2024 14:44	WG2218625
Styrene	U		0.000234	0.00105	1	02/02/2024 14:44	WG2218625
1,1,1,2-Tetrachloroethane	U		0.000311	0.00105	1	02/02/2024 14:44	WG2218625
1,1,2,2-Tetrachloroethane	U		0.000242	0.00105	1	02/02/2024 14:44	WG2218625
1,1,2-Trichlorotrifluoroethane	U		0.000447	0.00105	1	02/02/2024 14:44	WG2218625
Tetrachloroethene	U		0.000341	0.00105	1	02/02/2024 14:44	WG2218625
Toluene	U		0.00129	0.00525	1	02/02/2024 14:44	WG2218625
1,2,3-Trichlorobenzene	U		0.000321	0.00105	1	02/02/2024 14:44	WG2218625
1,2,4-Trichlorobenzene	U		0.000407	0.00105	1	02/02/2024 14:44	WG2218625
1,1,1-Trichloroethane	U		0.000388	0.00105	1	02/02/2024 14:44	WG2218625
1,1,2-Trichloroethane	U		0.000446	0.00105	1	02/02/2024 14:44	WG2218625
Trichloroethene	U		0.000210	0.00105	1	02/02/2024 14:44	WG2218625
Trichlorofluoromethane	U		0.000374	0.00525	1	02/02/2024 14:44	WG2218625
1,2,3-Trichloropropane	U		0.000256	0.00262	1	02/02/2024 14:44	WG2218625
1,2,4-Trimethylbenzene	U		0.000221	0.00105	1	02/02/2024 14:44	WG2218625
1,2,3-Trimethylbenzene	U		0.000301	0.00105	1	02/02/2024 14:44	WG2218625
1,3,5-Trimethylbenzene	U		0.000279	0.00105	1	02/02/2024 14:44	WG2218625
Vinyl chloride	U		0.000237	0.00105	1	02/02/2024 14:44	WG2218625
Xylenes, Total	U		0.000525	0.00315	1	02/02/2024 14:44	WG2218625
(S) Toluene-d8	*102*			*75.0-131*		*02/02/2024 14:44*	WG2218625
(S) 4-Bromofluorobenzene	*89.7*			*67.0-138*		*02/02/2024 14:44*	WG2218625
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*02/02/2024 14:44*	WG2218625

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	9.64		0.807	4.20	1	01/31/2024 10:26	WG2215736
(S) o-Terphenyl	*60.6*			*18.0-148*		*01/31/2024 10:26*	WG2215736

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	99.3		1	01/30/2024 17:04	WG2216134

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0251	J	0.0181	0.0403	1	01/31/2024 12:45	WG2216271

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	4.80		0.522	2.01	1	02/01/2024 15:59	WG2216885
Barium	15.1		0.0858	0.504	1	02/01/2024 15:59	WG2216885
Cadmium	0.316	J	0.0474	0.504	1	02/01/2024 15:59	WG2216885
Chromium	5.22		0.134	1.01	1	02/01/2024 15:59	WG2216885
Lead	11.6		0.210	0.504	1	02/01/2024 15:59	WG2216885
Selenium	0.940	J	0.770	2.01	1	02/01/2024 15:59	WG2216885
Silver	3.02		0.128	1.01	1	02/01/2024 15:59	WG2216885

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.2		1	01/30/2024 17:04	WG2216134

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0229	J	0.0193	0.0429	1	01/31/2024 12:47	WG2216271

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	17.8		0.556	2.15	1	02/01/2024 16:09	WG2216885
Barium	79.6		0.0914	0.537	1	02/01/2024 16:09	WG2216885
Cadmium	1.08		0.0506	0.537	1	02/01/2024 16:09	WG2216885
Chromium	32.1		0.143	1.07	1	02/01/2024 16:09	WG2216885
Lead	85.3		0.223	0.537	1	02/01/2024 16:09	WG2216885
Selenium	1.52	J	0.820	2.15	1	02/01/2024 16:09	WG2216885
Silver	0.177	J	0.136	1.07	1	02/01/2024 16:09	WG2216885

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.1		1	01/31/2024 08:22	WG2216140

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0308	J	0.0214	0.0476	1	01/31/2024 12:50	WG2216271

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	20.6		0.616	2.38	1	02/01/2024 16:11	WG2216885
Barium	146		0.101	0.595	1	02/01/2024 16:11	WG2216885
Cadmium	8.63		0.0560	0.595	1	02/01/2024 16:11	WG2216885
Chromium	22.9		0.158	1.19	1	02/01/2024 16:11	WG2216885
Lead	62.4		0.247	0.595	1	02/01/2024 16:11	WG2216885
Selenium	3.70		0.909	2.38	1	02/01/2024 16:11	WG2216885
Silver	0.433	J	0.151	1.19	1	02/01/2024 16:11	WG2216885

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.3		1	01/31/2024 08:22	WG2216140

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	60.0	J	40.1	121	1	02/01/2024 16:01	WG2217639

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	02/02/2024 15:05	WG2218625
Acetone	U		0.0251	0.0607	1	02/02/2024 15:05	WG2218625
Acrylonitrile	U		0.00245	0.0121	1	02/02/2024 15:05	WG2218625
Benzene	U		0.000455	0.00121	1	02/02/2024 15:05	WG2218625
Bromobenzene	U		0.000334	0.00121	1	02/02/2024 15:05	WG2218625
Bromodichloromethane	U		0.000881	0.00121	1	02/02/2024 15:05	WG2218625
Bromoform	U		0.000515	0.00121	1	02/02/2024 15:05	WG2218625
Bromomethane	U		0.00142	0.00607	1	02/02/2024 15:05	WG2218625
n-Butylbenzene	U		0.000313	0.00121	1	02/02/2024 15:05	WG2218625
sec-Butylbenzene	U		0.000244	0.00121	1	02/02/2024 15:05	WG2218625
tert-Butylbenzene	U		0.000250	0.00121	1	02/02/2024 15:05	WG2218625
Carbon tetrachloride	U		0.000301	0.00121	1	02/02/2024 15:05	WG2218625
Chlorobenzene	U		0.000233	0.00121	1	02/02/2024 15:05	WG2218625
Chlorodibromomethane	U		0.000272	0.00121	1	02/02/2024 15:05	WG2218625
Chloroethane	U		0.00121	0.00607	1	02/02/2024 15:05	WG2218625
Chloroform	U		0.00125	0.00607	1	02/02/2024 15:05	WG2218625
Chloromethane	U		0.000790	0.00304	1	02/02/2024 15:05	WG2218625
2-Chlorotoluene	U		0.000273	0.00121	1	02/02/2024 15:05	WG2218625
4-Chlorotoluene	U		0.000839	0.00121	1	02/02/2024 15:05	WG2218625
1,2-Dibromo-3-Chloropropane	U		0.00231	0.00607	1	02/02/2024 15:05	WG2218625
1,2-Dibromoethane	U		0.000304	0.00121	1	02/02/2024 15:05	WG2218625
Dibromomethane	U		0.000425	0.00121	1	02/02/2024 15:05	WG2218625
1,2-Dichlorobenzene	U		0.000516	0.00121	1	02/02/2024 15:05	WG2218625
1,3-Dichlorobenzene	U		0.000729	0.00121	1	02/02/2024 15:05	WG2218625
1,4-Dichlorobenzene	U		0.00101	0.00121	1	02/02/2024 15:05	WG2218625
Dichlorodifluoromethane	U		0.000349	0.00607	1	02/02/2024 15:05	WG2218625
1,1-Dichloroethane	U		0.000326	0.00121	1	02/02/2024 15:05	WG2218625
1,2-Dichloroethane	U		0.000547	0.00121	1	02/02/2024 15:05	WG2218625
1,1-Dichloroethene	U		0.000431	0.00121	1	02/02/2024 15:05	WG2218625
cis-1,2-Dichloroethene	U		0.000577	0.00121	1	02/02/2024 15:05	WG2218625
trans-1,2-Dichloroethene	U		0.000607	0.00121	1	02/02/2024 15:05	WG2218625
1,2-Dichloropropane	U		0.000199	0.00121	1	02/02/2024 15:05	WG2218625
1,1-Dichloropropene	U		0.000455	0.00121	1	02/02/2024 15:05	WG2218625
1,3-Dichloropropane	U		0.000273	0.00121	1	02/02/2024 15:05	WG2218625
cis-1,3-Dichloropropene	U		0.000516	0.00121	1	02/02/2024 15:05	WG2218625
trans-1,3-Dichloropropene	U		0.000820	0.00121	1	02/02/2024 15:05	WG2218625
2,2-Dichloropropane	U		0.000455	0.00121	1	02/02/2024 15:05	WG2218625
Di-isopropyl ether	U		0.000268	0.00121	1	02/02/2024 15:05	WG2218625
Ethylbenzene	U		0.000364	0.00121	1	02/02/2024 15:05	WG2218625
Hexachloro-1,3-butadiene	U		0.000415	0.00121	1	02/02/2024 15:05	WG2218625
Isopropylbenzene	U		0.000516	0.00121	1	02/02/2024 15:05	WG2218625
p-Isopropyltoluene	U		0.000248	0.00121	1	02/02/2024 15:05	WG2218625
2-Butanone (MEK)	U		0.00568	0.0121	1	02/02/2024 15:05	WG2218625
Methylene Chloride	U		0.00121	0.00607	1	02/02/2024 15:05	WG2218625
4-Methyl-2-pentanone (MIBK)	U		0.00115	0.0121	1	02/02/2024 15:05	WG2218625

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
Methyl tert-butyl ether	U		0.000425	0.00121	1	02/02/2024 15:05	WG2218625
Naphthalene	U		0.00605	0.00607	1	02/02/2024 15:05	WG2218625
n-Propylbenzene	U		0.000250	0.00121	1	02/02/2024 15:05	WG2218625
Styrene	U		0.000271	0.00121	1	02/02/2024 15:05	WG2218625
1,1,1,2-Tetrachloroethane	U		0.000360	0.00121	1	02/02/2024 15:05	WG2218625
1,1,2,2-Tetrachloroethane	U		0.000281	0.00121	1	02/02/2024 15:05	WG2218625
1,1,2-Trichlorotrifluoroethane	U		0.000517	0.00121	1	02/02/2024 15:05	WG2218625
Tetrachloroethene	U		0.000395	0.00121	1	02/02/2024 15:05	WG2218625
Toluene	U		0.00149	0.00607	1	02/02/2024 15:05	WG2218625
1,2,3-Trichlorobenzene	U		0.000372	0.00121	1	02/02/2024 15:05	WG2218625
1,2,4-Trichlorobenzene	U		0.000471	0.00121	1	02/02/2024 15:05	WG2218625
1,1,1-Trichloroethane	U		0.000449	0.00121	1	02/02/2024 15:05	WG2218625
1,1,2-Trichloroethane	U		0.000516	0.00121	1	02/02/2024 15:05	WG2218625
Trichloroethene	U		0.000243	0.00121	1	02/02/2024 15:05	WG2218625
Trichlorofluoromethane	U		0.000432	0.00607	1	02/02/2024 15:05	WG2218625
1,2,3-Trichloropropane	U		0.000296	0.00304	1	02/02/2024 15:05	WG2218625
1,2,4-Trimethylbenzene	U		0.000256	0.00121	1	02/02/2024 15:05	WG2218625
1,2,3-Trimethylbenzene	U		0.000349	0.00121	1	02/02/2024 15:05	WG2218625
1,3,5-Trimethylbenzene	U		0.000323	0.00121	1	02/02/2024 15:05	WG2218625
Vinyl chloride	U		0.000275	0.00121	1	02/02/2024 15:05	WG2218625
Xylenes, Total	U		0.000607	0.00364	1	02/02/2024 15:05	WG2218625
(S) Toluene-d8	*106*			*75.0-131*		*02/02/2024 15:05*	WG2218625
(S) 4-Bromofluorobenzene	*95.0*			*67.0-138*		*02/02/2024 15:05*	WG2218625
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*02/02/2024 15:05*	WG2218625

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	3.66	J	0.934	4.86	1	01/31/2024 10:19	WG2216164
(S) o-Terphenyl	*50.8*			*18.0-148*		*01/31/2024 10:19*	WG2216164

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.2		1	01/31/2024 08:22	WG2216140

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0326	J	0.0197	0.0438	1	01/31/2024 12:52	WG2216271

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	5.02		0.568	2.19	1	02/01/2024 16:12	WG2216885
Barium	97.7		0.0934	0.548	1	02/01/2024 16:12	WG2216885
Cadmium	0.402	J	0.0516	0.548	1	02/01/2024 16:12	WG2216885
Chromium	15.6		0.146	1.10	1	02/01/2024 16:12	WG2216885
Lead	34.0		0.228	0.548	1	02/01/2024 16:12	WG2216885
Selenium	U		0.837	2.19	1	02/01/2024 16:12	WG2216885
Silver	1.12		0.139	1.10	1	02/01/2024 16:12	WG2216885

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.9		1	01/31/2024 08:22	WG2216140

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	1.48	J3 J6 O1	0.0228	0.0507	1	01/31/2024 12:37	WG2216271

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	34.9	O1	0.656	2.53	1	02/01/2024 21:10	WG2216893
Barium	216	O1	0.108	0.634	1	02/01/2024 21:10	WG2216893
Cadmium	8.78	O1	0.0597	0.634	1	02/01/2024 21:10	WG2216893
Chromium	29.9	O1	0.169	1.27	1	02/01/2024 21:10	WG2216893
Lead	705	O1 V	0.264	0.634	1	02/01/2024 21:10	WG2216893
Selenium	2.69	O1	0.968	2.53	1	02/01/2024 21:10	WG2216893
Silver	6.27	O1	0.161	1.27	1	02/01/2024 21:10	WG2216893

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.8		1	01/31/2024 08:22	WG2216140

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0236	J	0.0192	0.0427	1	01/31/2024 12:54	WG2216271

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	12.7		0.552	2.13	1	01/31/2024 19:36	WG2216847
Barium	38.8		0.0908	0.533	1	01/31/2024 19:36	WG2216847
Cadmium	0.569		0.0502	0.533	1	01/31/2024 19:36	WG2216847
Chromium	36.0		0.142	1.07	1	01/31/2024 19:36	WG2216847
Lead	48.6		0.222	0.533	1	01/31/2024 19:36	WG2216847
Selenium	3.67		0.815	2.13	1	01/31/2024 19:36	WG2216847
Silver	0.257	J	0.135	1.07	1	02/01/2024 10:14	WG2216847

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.7		1	01/31/2024 08:22	WG2216140

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.113		0.0208	0.0461	1	01/31/2024 12:57	WG2216271

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	8.42		0.597	2.31	1	01/31/2024 19:39	WG2216847
Barium	89.9		0.0982	0.576	1	01/31/2024 19:39	WG2216847
Cadmium	1.05		0.0543	0.576	1	01/31/2024 19:39	WG2216847
Chromium	22.3		0.153	1.15	1	01/31/2024 19:39	WG2216847
Lead	71.6		0.240	0.576	1	01/31/2024 19:39	WG2216847
Selenium	2.41		0.881	2.31	1	01/31/2024 19:39	WG2216847
Silver	0.419	J	0.146	1.15	1	02/01/2024 10:16	WG2216847

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.5		1	01/31/2024 08:22	WG2216140

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.589		0.0213	0.0474	1	01/31/2024 13:18	WG2216271

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	13.5		0.613	2.37	1	01/31/2024 19:42	WG2216847
Barium	80.2		0.101	0.592	1	01/31/2024 19:42	WG2216847
Cadmium	1.68		0.0558	0.592	1	01/31/2024 19:42	WG2216847
Chromium	17.4		0.157	1.18	1	01/31/2024 19:42	WG2216847
Lead	142		0.246	0.592	1	01/31/2024 19:42	WG2216847
Selenium	1.86	J	0.905	2.37	1	01/31/2024 19:42	WG2216847
Silver	1.23		0.150	1.18	1	02/01/2024 10:19	WG2216847

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.8		1	01/31/2024 08:22	WG2216140

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0504		0.0203	0.0451	1	01/31/2024 13:21	WG2216271

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	41.6		0.583	2.25	1	01/31/2024 19:50	WG2216847
Barium	54.0		0.0960	0.563	1	01/31/2024 19:50	WG2216847
Cadmium	0.956		0.0530	0.563	1	01/31/2024 19:50	WG2216847
Chromium	28.4		0.150	1.13	1	01/31/2024 19:50	WG2216847
Lead	98.0		0.234	0.563	1	01/31/2024 19:50	WG2216847
Selenium	2.34		0.860	2.25	1	01/31/2024 19:50	WG2216847
Silver	0.361	J	0.143	1.13	1	02/01/2024 10:28	WG2216847

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.7		1	01/31/2024 08:22	WG2216140

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0264	J	0.0201	0.0446	1	01/31/2024 13:23	WG2216271

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	5.44		0.577	2.23	1	01/31/2024 19:53	WG2216847
Barium	80.7		0.0949	0.557	1	01/31/2024 19:53	WG2216847
Cadmium	0.278	J	0.0525	0.557	1	01/31/2024 19:53	WG2216847
Chromium	9.34		0.148	1.11	1	01/31/2024 19:53	WG2216847
Lead	33.2		0.232	0.557	1	01/31/2024 19:53	WG2216847
Selenium	U		0.851	2.23	1	01/31/2024 19:53	WG2216847
Silver	U		0.142	1.11	1	02/01/2024 10:31	WG2216847

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.0		1	01/31/2024 08:45	WG2216058

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.404		0.0207	0.0460	1	01/31/2024 13:25	WG2216271

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	20.5		0.595	2.30	1	02/01/2024 21:24	WG2216893
Barium	226		0.0979	0.575	1	02/01/2024 21:24	WG2216893
Cadmium	5.65		0.0541	0.575	1	02/01/2024 21:24	WG2216893
Chromium	29.8		0.153	1.15	1	02/01/2024 21:24	WG2216893
Lead	315		0.239	0.575	1	02/01/2024 21:24	WG2216893
Selenium	1.43	J	0.878	2.30	1	02/01/2024 21:24	WG2216893
Silver	3.06		0.146	1.15	1	02/01/2024 21:24	WG2216893

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.9		1	01/31/2024 08:45	WG2216058

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		0.0192	0.0426	1	01/31/2024 13:28	WG2216271

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		0.552	2.13	1	02/01/2024 21:26	WG2216893
Barium	67.4		0.0907	0.532	1	02/01/2024 21:26	WG2216893
Cadmium	0.529	J	0.0502	0.532	1	02/01/2024 21:26	WG2216893
Chromium	23.7		0.142	1.06	1	02/01/2024 21:26	WG2216893
Lead	55.1		0.221	0.532	1	02/01/2024 21:26	WG2216893
Selenium	1.02	J	0.814	2.13	1	02/01/2024 21:26	WG2216893
Silver	0.185	J	0.135	1.06	1	02/01/2024 21:26	WG2216893

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.7		1	01/31/2024 08:45	WG2216058

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		0.0190	0.0422	1	01/31/2024 13:30	WG2216271

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	23.0		0.547	2.11	1	02/01/2024 21:29	WG2216893
Barium	29.8		0.0899	0.528	1	02/01/2024 21:29	WG2216893
Cadmium	0.258	J	0.0497	0.528	1	02/01/2024 21:29	WG2216893
Chromium	5.45		0.140	1.06	1	02/01/2024 21:29	WG2216893
Lead	5.70		0.220	0.528	1	02/01/2024 21:29	WG2216893
Selenium	U		0.807	2.11	1	02/01/2024 21:29	WG2216893
Silver	U		0.134	1.06	1	02/01/2024 21:29	WG2216893

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.1		1	01/31/2024 08:45	WG2216058

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	286		4.50	9.99	200	01/31/2024 16:24	WG2216273

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	528		0.647	2.50	1	02/01/2024 21:38	WG2216893
Barium	207		0.106	0.624	1	02/01/2024 21:38	WG2216893
Cadmium	36.3		0.0588	0.624	1	02/01/2024 21:38	WG2216893
Chromium	26.2		0.166	1.25	1	02/01/2024 21:38	WG2216893
Lead	15700		1.30	3.12	5	02/02/2024 11:21	WG2216893
Selenium	7.06		0.954	2.50	1	02/01/2024 21:38	WG2216893
Silver	72.5		0.159	1.25	1	02/01/2024 21:38	WG2216893

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.8		1	01/31/2024 08:45	WG2216058

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.640		0.0192	0.0427	1	01/31/2024 14:44	WG2216273

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	23.8		0.552	2.13	1	02/01/2024 21:41	WG2216893
Barium	67.5		0.0909	0.533	1	02/01/2024 21:41	WG2216893
Cadmium	7.52		0.0502	0.533	1	02/01/2024 21:41	WG2216893
Chromium	25.1		0.142	1.07	1	02/01/2024 21:41	WG2216893
Lead	112		0.222	0.533	1	02/01/2024 21:41	WG2216893
Selenium	1.09	J	0.815	2.13	1	02/01/2024 21:41	WG2216893
Silver	0.617	J	0.135	1.07	1	02/01/2024 21:41	WG2216893

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.5		1	01/31/2024 08:45	WG2216058

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.817		0.0206	0.0457	1	01/31/2024 14:46	WG2216273

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	54.4		0.592	2.28	1	02/01/2024 21:44	WG2216893
Barium	179		0.0973	0.571	1	02/01/2024 21:44	WG2216893
Cadmium	7.69		0.0538	0.571	1	02/01/2024 21:44	WG2216893
Chromium	28.2		0.152	1.14	1	02/01/2024 21:44	WG2216893
Lead	732		0.238	0.571	1	02/01/2024 21:44	WG2216893
Selenium	1.88	J	0.873	2.28	1	02/01/2024 21:44	WG2216893
Silver	7.89		0.145	1.14	1	02/01/2024 21:44	WG2216893

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.7		1	01/31/2024 08:45	WG2216058

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.874		0.0208	0.0461	1	01/31/2024 14:48	WG2216273

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	45.1		0.598	2.31	1	02/01/2024 21:47	WG2216893
Barium	193		0.0983	0.577	1	02/01/2024 21:47	WG2216893
Cadmium	9.44		0.0543	0.577	1	02/01/2024 21:47	WG2216893
Chromium	127		0.153	1.15	1	02/01/2024 21:47	WG2216893
Lead	870		0.240	0.577	1	02/01/2024 21:47	WG2216893
Selenium	2.32		0.881	2.31	1	02/01/2024 21:47	WG2216893
Silver	6.39		0.146	1.15	1	02/01/2024 21:47	WG2216893

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.1		1	01/31/2024 08:45	WG2216058

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		0.0212	0.0470	1	01/31/2024 14:51	WG2216273

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	16.4		0.609	2.35	1	02/01/2024 21:49	WG2216893
Barium	106		0.100	0.588	1	02/01/2024 21:49	WG2216893
Cadmium	0.320	J	0.0554	0.588	1	02/01/2024 21:49	WG2216893
Chromium	28.1		0.156	1.18	1	02/01/2024 21:49	WG2216893
Lead	82.5		0.244	0.588	1	02/01/2024 21:49	WG2216893
Selenium	1.38	J	0.898	2.35	1	02/01/2024 21:49	WG2216893
Silver	0.475	J	0.149	1.18	1	02/01/2024 21:49	WG2216893

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.1		1	01/31/2024 08:45	WG2216058

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	2.96		0.0409	0.0908	2	01/31/2024 16:07	WG2216273

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	102		0.588	2.27	1	02/01/2024 21:53	WG2216893
Barium	119		0.0967	0.568	1	02/01/2024 21:53	WG2216893
Cadmium	15.2		0.0535	0.568	1	02/01/2024 21:53	WG2216893
Chromium	48.6		0.151	1.14	1	02/01/2024 21:53	WG2216893
Lead	1860		0.236	0.568	1	02/01/2024 21:53	WG2216893
Selenium	3.64		0.868	2.27	1	02/01/2024 21:53	WG2216893
Silver	11.8		0.144	1.14	1	02/01/2024 21:53	WG2216893

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.2		1	01/31/2024 08:45	WG2216058

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	1.50		0.0206	0.0459	1	01/31/2024 15:00	WG2216273

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	80.0		0.594	2.29	1	02/01/2024 21:55	WG2216893
Barium	132		0.0977	0.573	1	02/01/2024 21:55	WG2216893
Cadmium	18.4		0.0540	0.573	1	02/01/2024 21:55	WG2216893
Chromium	59.3		0.153	1.15	1	02/01/2024 21:55	WG2216893
Lead	1620		0.239	0.573	1	02/01/2024 21:55	WG2216893
Selenium	2.87		0.876	2.29	1	02/01/2024 21:55	WG2216893
Silver	14.3		0.146	1.15	1	02/01/2024 21:55	WG2216893

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.5		1	01/31/2024 07:48	WG2216061

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		0.0199	0.0442	1	01/31/2024 15:03	WG2216273

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	16.0		0.573	2.21	1	02/01/2024 21:58	WG2216893
Barium	68.2		0.0942	0.553	1	02/01/2024 21:58	WG2216893
Cadmium	0.695		0.0521	0.553	1	02/01/2024 21:58	WG2216893
Chromium	25.4		0.147	1.11	1	02/01/2024 21:58	WG2216893
Lead	88.5		0.230	0.553	1	02/01/2024 21:58	WG2216893
Selenium	1.35	J	0.845	2.21	1	02/01/2024 21:58	WG2216893
Silver	0.627	J	0.140	1.11	1	02/01/2024 21:58	WG2216893

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.6		1	01/31/2024 07:48	WG2216061

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.101		0.0192	0.0427	1	01/31/2024 15:05	WG2216273

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	13.9		0.553	2.14	1	02/01/2024 22:01	WG2216893
Barium	65.5		0.0910	0.534	1	02/01/2024 22:01	WG2216893
Cadmium	1.15		0.0503	0.534	1	02/01/2024 22:01	WG2216893
Chromium	12.3		0.142	1.07	1	02/01/2024 22:01	WG2216893
Lead	145		0.222	0.534	1	02/01/2024 22:01	WG2216893
Selenium	U		0.816	2.14	1	02/01/2024 22:01	WG2216893
Silver	0.766	J	0.136	1.07	1	02/01/2024 22:01	WG2216893

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.1		1	01/31/2024 07:48	WG2216061

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.747		0.0207	0.0459	1	01/31/2024 15:08	WG2216273

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	34.1		0.595	2.30	1	02/01/2024 22:04	WG2216893
Barium	184		0.0978	0.574	1	02/01/2024 22:04	WG2216893
Cadmium	6.33		0.0541	0.574	1	02/01/2024 22:04	WG2216893
Chromium	29.7		0.153	1.15	1	02/01/2024 22:04	WG2216893
Lead	522		0.239	0.574	1	02/01/2024 22:04	WG2216893
Selenium	1.62	J	0.877	2.30	1	02/01/2024 22:04	WG2216893
Silver	3.96		0.146	1.15	1	02/01/2024 22:04	WG2216893

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.2		1	01/31/2024 07:48	WG2216061

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0366	J	0.0197	0.0438	1	01/31/2024 15:15	WG2216273

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	14.7		0.568	2.19	1	02/01/2024 22:12	WG2216893
Barium	64.4		0.0934	0.548	1	02/01/2024 22:12	WG2216893
Cadmium	1.73		0.0516	0.548	1	02/02/2024 11:23	WG2216893
Chromium	27.7		0.146	1.10	1	02/01/2024 22:12	WG2216893
Lead	58.8		0.228	0.548	1	02/01/2024 22:12	WG2216893
Selenium	U		0.837	2.19	1	02/01/2024 22:12	WG2216893
Silver	0.506	J	0.139	1.10	1	02/01/2024 22:12	WG2216893

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.9		1	01/31/2024 07:48	WG2216061

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0327	J	0.0202	0.0450	1	01/31/2024 14:26	WG2216273

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	7.62		0.583	2.25	1	01/31/2024 18:42	WG2216891
Barium	65.0		0.0958	0.562	1	01/31/2024 18:42	WG2216891
Cadmium	0.600		0.0530	0.562	1	01/31/2024 18:42	WG2216891
Chromium	6.48		0.150	1.12	1	01/31/2024 18:42	WG2216891
Lead	86.8	J3 J6	0.234	0.562	1	01/31/2024 18:42	WG2216891
Selenium	0.910	J	0.859	2.25	1	01/31/2024 18:42	WG2216891
Silver	0.287	J	0.143	1.12	1	01/31/2024 18:42	WG2216891

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.7		1	01/31/2024 07:48	WG2216061

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.847		0.0201	0.0446	1	01/31/2024 15:17	WG2216273

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	80.5		0.577	2.23	1	02/01/2024 22:15	WG2216893
Barium	119		0.0949	0.557	1	02/01/2024 22:15	WG2216893
Cadmium	4.51		0.0525	0.557	1	02/01/2024 22:15	WG2216893
Chromium	27.1		0.148	1.11	1	02/01/2024 22:15	WG2216893
Lead	1290		0.232	0.557	1	02/01/2024 22:15	WG2216893
Selenium	2.88		0.851	2.23	1	02/01/2024 22:15	WG2216893
Silver	5.19		0.142	1.11	1	02/01/2024 22:15	WG2216893

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.5		1	01/31/2024 07:48	WG2216061

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0290	J	0.0201	0.0447	1	01/31/2024 15:20	WG2216273

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	108		0.579	2.23	1	02/01/2024 21:35	WG2216889
Barium	69.8		0.0952	0.559	1	02/01/2024 21:35	WG2216889
Cadmium	1.67		0.0526	0.559	1	02/01/2024 21:35	WG2216889
Chromium	29.7		0.149	1.12	1	02/01/2024 21:35	WG2216889
Lead	114		0.232	0.559	1	02/01/2024 21:35	WG2216889
Selenium	U		0.853	2.23	1	02/02/2024 11:51	WG2216889
Silver	U		0.142	1.12	1	02/01/2024 21:35	WG2216889

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.5		1	01/31/2024 07:48	WG2216061

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.179		0.0208	0.0463	1	01/31/2024 15:22	WG2216273

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	7.08		0.599	2.31	1	02/01/2024 21:36	WG2216889
Barium	113		0.0985	0.578	1	02/01/2024 21:36	WG2216889
Cadmium	1.20		0.0545	0.578	1	02/01/2024 21:36	WG2216889
Chromium	19.2		0.154	1.16	1	02/01/2024 21:36	WG2216889
Lead	79.3		0.241	0.578	1	02/01/2024 21:36	WG2216889
Selenium	U		0.883	2.31	1	02/02/2024 11:52	WG2216889
Silver	0.285	J	0.147	1.16	1	02/01/2024 21:36	WG2216889

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.2		1	01/31/2024 07:48	WG2216061

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.521		0.0227	0.0505	1	01/31/2024 15:25	WG2216273

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	49.4		0.654	2.53	1	02/01/2024 21:38	WG2216889
Barium	228		0.108	0.631	1	02/01/2024 21:38	WG2216889
Cadmium	5.26		0.0595	0.631	1	02/01/2024 21:38	WG2216889
Chromium	31.2		0.168	1.26	1	02/01/2024 21:38	WG2216889
Lead	411		0.263	0.631	1	02/01/2024 21:38	WG2216889
Selenium	1.41	B J	0.965	2.53	1	02/02/2024 11:54	WG2216889
Silver	3.09		0.160	1.26	1	02/01/2024 21:38	WG2216889

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.5		1	01/31/2024 07:48	WG2216061

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		0.0216	0.0479	1	01/31/2024 15:27	WG2216273

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	19.7		0.620	2.40	1	02/01/2024 21:43	WG2216889
Barium	61.3		0.102	0.599	1	02/01/2024 21:43	WG2216889
Cadmium	0.793		0.0564	0.599	1	02/01/2024 21:43	WG2216889
Chromium	25.8		0.159	1.20	1	02/01/2024 21:43	WG2216889
Lead	77.7		0.249	0.599	1	02/01/2024 21:43	WG2216889
Selenium	1.31	B J	0.915	2.40	1	02/02/2024 11:59	WG2216889
Silver	U		0.152	1.20	1	02/01/2024 21:43	WG2216889

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.7		1	01/31/2024 08:22	WG2216140

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0350	J	0.0194	0.0432	1	01/31/2024 15:30	WG2216273

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	5.31		0.559	2.16	1	02/01/2024 21:45	WG2216889
Barium	74.6		0.0919	0.540	1	02/01/2024 21:45	WG2216889
Cadmium	0.309	J	0.0508	0.540	1	02/01/2024 21:45	WG2216889
Chromium	13.9		0.144	1.08	1	02/01/2024 21:45	WG2216889
Lead	38.0		0.224	0.540	1	02/01/2024 21:45	WG2216889
Selenium	1.53	B J	0.824	2.16	1	02/01/2024 21:45	WG2216889
Silver	0.531	J	0.137	1.08	1	02/01/2024 21:45	WG2216889

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.1		1	01/30/2024 16:46	WG2216062

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	2.80		0.0423	0.0940	2	01/31/2024 16:10	WG2216273

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	43.5		0.608	2.35	1	02/01/2024 21:47	WG2216889
Barium	164		0.100	0.587	1	02/01/2024 21:47	WG2216889
Cadmium	11.5		0.0553	0.587	1	02/01/2024 21:47	WG2216889
Chromium	27.3		0.156	1.17	1	02/01/2024 21:47	WG2216889
Lead	1260		0.244	0.587	1	02/01/2024 21:47	WG2216889
Selenium	1.77	B J	0.897	2.35	1	02/02/2024 12:00	WG2216889
Silver	6.70		0.149	1.17	1	02/01/2024 21:47	WG2216889

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.1		1	01/30/2024 16:46	WG2216062

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	0.0430	1	01/31/2024 15:35	WG2216273

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	13.5		0.556	2.15	1	02/01/2024 21:48	WG2216889
Barium	65.0		0.0915	0.537	1	02/01/2024 21:48	WG2216889
Cadmium	0.742		0.0506	0.537	1	02/01/2024 21:48	WG2216889
Chromium	25.8		0.143	1.07	1	02/01/2024 21:48	WG2216889
Lead	50.0		0.223	0.537	1	02/01/2024 21:48	WG2216889
Selenium	U		0.821	2.15	1	02/02/2024 12:02	WG2216889
Silver	U		0.136	1.07	1	02/01/2024 21:48	WG2216889

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.4		1	01/30/2024 16:46	WG2216062

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	6.14		0.105	0.234	5	01/31/2024 13:50	WG2216269

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	134		0.606	2.34	1	02/01/2024 21:50	WG2216889
Barium	180		0.0997	0.585	1	02/01/2024 21:50	WG2216889
Cadmium	33.0		0.0551	0.585	1	02/01/2024 21:50	WG2216889
Chromium	22.0		0.156	1.17	1	02/01/2024 21:50	WG2216889
Lead	3900		0.243	0.585	1	02/01/2024 21:50	WG2216889
Selenium	2.36	B	0.894	2.34	1	02/02/2024 12:04	WG2216889
Silver	22.9		0.149	1.17	1	02/01/2024 21:50	WG2216889

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.5		1	01/30/2024 16:46	WG2216062

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0399	J	0.0197	0.0437	1	01/31/2024 11:43	WG2216269

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	108		0.566	2.19	1	02/01/2024 21:52	WG2216889
Barium	79.6		0.0931	0.546	1	02/01/2024 21:52	WG2216889
Cadmium	0.413	J	0.0515	0.546	1	02/01/2024 21:52	WG2216889
Chromium	26.0		0.145	1.09	1	02/01/2024 21:52	WG2216889
Lead	156		0.227	0.546	1	02/01/2024 21:52	WG2216889
Selenium	1.10	B J	0.835	2.19	1	02/02/2024 12:05	WG2216889
Silver	U		0.139	1.09	1	02/01/2024 21:52	WG2216889

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.6		1	01/30/2024 16:46	WG2216062

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.124		0.0184	0.0410	1	01/31/2024 11:46	WG2216269

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	8.61		0.531	2.05	1	02/01/2024 21:54	WG2216889
Barium	80.2		0.0873	0.512	1	02/01/2024 21:54	WG2216889
Cadmium	0.596		0.0483	0.512	1	02/01/2024 21:54	WG2216889
Chromium	11.0		0.136	1.02	1	02/01/2024 21:54	WG2216889
Lead	48.5		0.213	0.512	1	02/01/2024 21:54	WG2216889
Selenium	U		0.783	2.05	1	02/02/2024 12:07	WG2216889
Silver	2.54		0.130	1.02	1	02/01/2024 21:54	WG2216889

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.0		1	01/31/2024 08:02	WG2216141

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0865		0.0190	0.0421	1	01/31/2024 11:48	WG2216269

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	5.50		0.545	2.11	1	02/01/2024 21:55	WG2216889
Barium	53.5		0.0897	0.527	1	02/01/2024 21:55	WG2216889
Cadmium	0.505	J	0.0496	0.527	1	02/01/2024 21:55	WG2216889
Chromium	11.8		0.140	1.05	1	02/01/2024 21:55	WG2216889
Lead	23.1		0.219	0.527	1	02/01/2024 21:55	WG2216889
Selenium	1.59	B J	0.805	2.11	1	02/01/2024 21:55	WG2216889
Silver	2.40		0.134	1.05	1	02/01/2024 21:55	WG2216889

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.7		1	01/31/2024 08:02	WG2216141

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	1.29		0.0213	0.0472	1	01/31/2024 11:51	WG2216269

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	50.6		0.612	2.36	1	02/01/2024 21:57	WG2216889
Barium	219		0.101	0.591	1	02/01/2024 21:57	WG2216889
Cadmium	7.02		0.0556	0.591	1	02/01/2024 21:57	WG2216889
Chromium	28.3		0.157	1.18	1	02/01/2024 21:57	WG2216889
Lead	653		0.246	0.591	1	02/01/2024 21:57	WG2216889
Selenium	1.60	B J	0.902	2.36	1	02/02/2024 12:09	WG2216889
Silver	3.36		0.150	1.18	1	02/01/2024 21:57	WG2216889

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.6		1	01/31/2024 08:02	WG2216141

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0212	J	0.0197	0.0437	1	01/31/2024 11:53	WG2216269

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	18.1		0.566	2.18	1	02/01/2024 21:59	WG2216889
Barium	70.3		0.0930	0.546	1	02/01/2024 21:59	WG2216889
Cadmium	0.928		0.0514	0.546	1	02/01/2024 21:59	WG2216889
Chromium	28.7		0.145	1.09	1	02/01/2024 21:59	WG2216889
Lead	97.1		0.227	0.546	1	02/01/2024 21:59	WG2216889
Selenium	U		0.834	2.18	1	02/02/2024 12:10	WG2216889
Silver	U		0.139	1.09	1	02/01/2024 21:59	WG2216889

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.2		1	01/31/2024 08:02	WG2216141

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		0.0224	0.0499	1	01/31/2024 11:55	WG2216269

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	18.1		0.646	2.49	1	02/01/2024 22:04	WG2216889
Barium	283		0.106	0.623	1	02/01/2024 22:04	WG2216889
Cadmium	1.89		0.0587	0.623	1	02/01/2024 22:04	WG2216889
Chromium	35.3		0.166	1.25	1	02/01/2024 22:04	WG2216889
Lead	99.2		0.259	0.623	1	02/01/2024 22:04	WG2216889
Selenium	1.48	B J	0.952	2.49	1	02/02/2024 12:12	WG2216889
Silver	U		0.158	1.25	1	02/01/2024 22:04	WG2216889

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.4		1	01/31/2024 08:02	WG2216141

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		0.0197	0.0438	1	01/31/2024 11:58	WG2216269

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	16.4		0.567	2.19	1	02/01/2024 22:06	WG2216889
Barium	68.9		0.0932	0.547	1	02/01/2024 22:06	WG2216889
Cadmium	1.31		0.0515	0.547	1	02/01/2024 22:06	WG2216889
Chromium	27.2		0.146	1.09	1	02/01/2024 22:06	WG2216889
Lead	68.0		0.228	0.547	1	02/01/2024 22:06	WG2216889
Selenium	1.72	B J	0.836	2.19	1	02/02/2024 12:13	WG2216889
Silver	U		0.139	1.09	1	02/01/2024 22:06	WG2216889

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.6		1	01/31/2024 08:02	WG2216141

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		0.0186	0.0414	1	01/31/2024 12:05	WG2216269

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	3.93		0.536	2.07	1	02/01/2024 22:07	WG2216889
Barium	46.9		0.0882	0.518	1	02/01/2024 22:07	WG2216889
Cadmium	0.0510	J	0.0488	0.518	1	02/01/2024 22:07	WG2216889
Chromium	4.80		0.138	1.04	1	02/01/2024 22:07	WG2216889
Lead	20.6		0.215	0.518	1	02/01/2024 22:07	WG2216889
Selenium	1.97	B J	0.791	2.07	1	02/01/2024 22:07	WG2216889
Silver	0.805	J	0.132	1.04	1	02/01/2024 22:07	WG2216889

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.1		1	01/31/2024 08:02	WG2216141

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.250		0.0196	0.0434	1	01/31/2024 12:07	WG2216269

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	4.02		0.563	2.17	1	02/01/2024 22:09	WG2216889
Barium	87.7		0.0925	0.543	1	02/01/2024 22:09	WG2216889
Cadmium	0.341	J	0.0512	0.543	1	02/01/2024 22:09	WG2216889
Chromium	9.43		0.144	1.09	1	02/01/2024 22:09	WG2216889
Lead	22.5		0.226	0.543	1	02/01/2024 22:09	WG2216889
Selenium	1.48	B J	0.830	2.17	1	02/01/2024 22:09	WG2216889
Silver	0.645	J	0.138	1.09	1	02/01/2024 22:09	WG2216889

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.3		1	01/31/2024 08:02	WG2216141

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0363	J	0.0195	0.0434	1	01/31/2024 12:13	WG2216269

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	17.3		0.561	2.17	1	02/01/2024 21:26	WG2216889
Barium	76.8	O1	0.0924	0.542	1	02/01/2024 21:26	WG2216889
Cadmium	1.52		0.0511	0.542	1	02/01/2024 21:26	WG2216889
Chromium	28.4	O1	0.144	1.08	1	02/01/2024 21:26	WG2216889
Lead	219	J6 O1	0.225	0.542	1	02/01/2024 21:26	WG2216889
Selenium	2.62	B	0.828	2.17	1	02/01/2024 21:26	WG2216889
Silver	U		0.138	1.08	1	02/01/2024 21:26	WG2216889

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.0		1	01/31/2024 08:02	WG2216141

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	74.7	J	35.9	109	1	02/01/2024 16:01	WG2217639

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		0.199	0.544	1	02/02/2024 15:27	WG2218625
Acetone	U		0.0225	0.0544	1	02/02/2024 15:27	WG2218625
Acrylonitrile	U		0.00220	0.0109	1	02/02/2024 15:27	WG2218625
Benzene	U		0.000408	0.00109	1	02/02/2024 15:27	WG2218625
Bromobenzene	U		0.000299	0.00109	1	02/02/2024 15:27	WG2218625
Bromodichloromethane	U		0.000788	0.00109	1	02/02/2024 15:27	WG2218625
Bromoform	U		0.000461	0.00109	1	02/02/2024 15:27	WG2218625
Bromomethane	U		0.00127	0.00544	1	02/02/2024 15:27	WG2218625
n-Butylbenzene	U		0.000280	0.00109	1	02/02/2024 15:27	WG2218625
sec-Butylbenzene	U		0.000219	0.00109	1	02/02/2024 15:27	WG2218625
tert-Butylbenzene	U		0.000224	0.00109	1	02/02/2024 15:27	WG2218625
Carbon tetrachloride	U		0.000270	0.00109	1	02/02/2024 15:27	WG2218625
Chlorobenzene	U		0.000209	0.00109	1	02/02/2024 15:27	WG2218625
Chlorodibromomethane	U		0.000244	0.00109	1	02/02/2024 15:27	WG2218625
Chloroethane	U		0.00109	0.00544	1	02/02/2024 15:27	WG2218625
Chloroform	U		0.00112	0.00544	1	02/02/2024 15:27	WG2218625
Chloromethane	U		0.000707	0.00272	1	02/02/2024 15:27	WG2218625
2-Chlorotoluene	U		0.000245	0.00109	1	02/02/2024 15:27	WG2218625
4-Chlorotoluene	U		0.000751	0.00109	1	02/02/2024 15:27	WG2218625
1,2-Dibromo-3-Chloropropane	U		0.00207	0.00544	1	02/02/2024 15:27	WG2218625
1,2-Dibromoethane	U		0.000272	0.00109	1	02/02/2024 15:27	WG2218625
Dibromomethane	U		0.000380	0.00109	1	02/02/2024 15:27	WG2218625
1,2-Dichlorobenzene	U		0.000462	0.00109	1	02/02/2024 15:27	WG2218625
1,3-Dichlorobenzene	U		0.000652	0.00109	1	02/02/2024 15:27	WG2218625
1,4-Dichlorobenzene	U		0.000902	0.00109	1	02/02/2024 15:27	WG2218625
Dichlorodifluoromethane	U		0.000312	0.00544	1	02/02/2024 15:27	WG2218625
1,1-Dichloroethane	U		0.000291	0.00109	1	02/02/2024 15:27	WG2218625
1,2-Dichloroethane	U		0.000489	0.00109	1	02/02/2024 15:27	WG2218625
1,1-Dichloroethene	U		0.000386	0.00109	1	02/02/2024 15:27	WG2218625
cis-1,2-Dichloroethene	U		0.000516	0.00109	1	02/02/2024 15:27	WG2218625
trans-1,2-Dichloroethene	U		0.000544	0.00109	1	02/02/2024 15:27	WG2218625
1,2-Dichloropropane	U		0.000178	0.00109	1	02/02/2024 15:27	WG2218625
1,1-Dichloropropene	U		0.000408	0.00109	1	02/02/2024 15:27	WG2218625
1,3-Dichloropropane	U		0.000245	0.00109	1	02/02/2024 15:27	WG2218625
cis-1,3-Dichloropropene	U		0.000462	0.00109	1	02/02/2024 15:27	WG2218625
trans-1,3-Dichloropropene	U		0.000734	0.00109	1	02/02/2024 15:27	WG2218625
2,2-Dichloropropane	U		0.000408	0.00109	1	02/02/2024 15:27	WG2218625
Di-isopropyl ether	U		0.000240	0.00109	1	02/02/2024 15:27	WG2218625
Ethylbenzene	U		0.000326	0.00109	1	02/02/2024 15:27	WG2218625
Hexachloro-1,3-butadiene	U		0.000372	0.00109	1	02/02/2024 15:27	WG2218625
Isopropylbenzene	U		0.000462	0.00109	1	02/02/2024 15:27	WG2218625
p-Isopropyltoluene	U		0.000222	0.00109	1	02/02/2024 15:27	WG2218625
2-Butanone (MEK)	U		0.00509	0.0109	1	02/02/2024 15:27	WG2218625
Methylene Chloride	U		0.00109	0.00544	1	02/02/2024 15:27	WG2218625
4-Methyl-2-pentanone (MIBK)	U		0.00103	0.0109	1	02/02/2024 15:27	WG2218625

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
Methyl tert-butyl ether	U		0.000380	0.00109	1	02/02/2024 15:27	WG2218625
Naphthalene	U		0.00541	0.00544	1	02/02/2024 15:27	WG2218625
n-Propylbenzene	U		0.000224	0.00109	1	02/02/2024 15:27	WG2218625
Styrene	U		0.000242	0.00109	1	02/02/2024 15:27	WG2218625
1,1,1,2-Tetrachloroethane	U		0.000322	0.00109	1	02/02/2024 15:27	WG2218625
1,1,2,2-Tetrachloroethane	U		0.000251	0.00109	1	02/02/2024 15:27	WG2218625
1,1,2-Trichlorotrifluoroethane	U		0.000463	0.00109	1	02/02/2024 15:27	WG2218625
Tetrachloroethene	U		0.000353	0.00109	1	02/02/2024 15:27	WG2218625
Toluene	U		0.00134	0.00544	1	02/02/2024 15:27	WG2218625
1,2,3-Trichlorobenzene	U		0.000333	0.00109	1	02/02/2024 15:27	WG2218625
1,2,4-Trichlorobenzene	U		0.000422	0.00109	1	02/02/2024 15:27	WG2218625
1,1,1-Trichloroethane	U		0.000402	0.00109	1	02/02/2024 15:27	WG2218625
1,1,2-Trichloroethane	U		0.000462	0.00109	1	02/02/2024 15:27	WG2218625
Trichloroethene	U		0.000217	0.00109	1	02/02/2024 15:27	WG2218625
Trichlorofluoromethane	U		0.000387	0.00544	1	02/02/2024 15:27	WG2218625
1,2,3-Trichloropropane	U		0.000265	0.00272	1	02/02/2024 15:27	WG2218625
1,2,4-Trimethylbenzene	U		0.000229	0.00109	1	02/02/2024 15:27	WG2218625
1,2,3-Trimethylbenzene	U		0.000312	0.00109	1	02/02/2024 15:27	WG2218625
1,3,5-Trimethylbenzene	U		0.000289	0.00109	1	02/02/2024 15:27	WG2218625
Vinyl chloride	U		0.000246	0.00109	1	02/02/2024 15:27	WG2218625
Xylenes, Total	U		0.000544	0.00326	1	02/02/2024 15:27	WG2218625
(S) Toluene-d8	*103*			*75.0-131*		*02/02/2024 15:27*	WG2218625
(S) 4-Bromofluorobenzene	*92.8*			*67.0-138*		*02/02/2024 15:27*	WG2218625
(S) 1,2-Dichloroethane-d4	*135*	J1		*70.0-130*		*02/02/2024 15:27*	WG2218625

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	1.73	J	0.836	4.35	1	01/31/2024 09:00	WG2216164
(S) o-Terphenyl	*41.8*			*18.0-148*		*01/31/2024 09:00*	WG2216164

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.6		1	01/31/2024 08:02	WG2216141

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0220	J	0.0192	0.0427	1	01/31/2024 11:19	WG2216269

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	23.2		0.553	2.14	1	02/01/2024 22:11	WG2216889
Barium	53.6		0.0910	0.534	1	02/01/2024 22:11	WG2216889
Cadmium	0.816		0.0503	0.534	1	02/01/2024 22:11	WG2216889
Chromium	34.1		0.142	1.07	1	02/01/2024 22:11	WG2216889
Lead	93.6		0.222	0.534	1	02/01/2024 22:11	WG2216889
Selenium	1.14	B J	0.816	2.14	1	02/02/2024 12:18	WG2216889
Silver	U		0.136	1.07	1	02/01/2024 22:11	WG2216889

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.6		1	01/31/2024 06:12	WG2216142

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		0.0190	0.0423	1	01/31/2024 12:15	WG2216269

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	4.24		0.548	2.11	1	02/01/2024 22:12	WG2216889
Barium	16.7		0.0901	0.529	1	02/01/2024 22:12	WG2216889
Cadmium	U		0.0498	0.529	1	02/01/2024 22:12	WG2216889
Chromium	5.00		0.141	1.06	1	02/01/2024 22:12	WG2216889
Lead	4.84		0.220	0.529	1	02/01/2024 22:12	WG2216889
Selenium	1.11	B J	0.808	2.11	1	02/01/2024 22:12	WG2216889
Silver	2.49		0.134	1.06	1	02/01/2024 22:12	WG2216889

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.0		1	01/31/2024 06:12	WG2216142

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	133		2.17	4.82	100	01/31/2024 14:55	WG2216269

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	295		0.624	2.41	1	02/01/2024 22:18	WG2216893
Barium	207		0.103	0.603	1	02/01/2024 22:18	WG2216893
Cadmium	33.3		0.0568	0.603	1	02/01/2024 22:18	WG2216893
Chromium	26.7		0.160	1.21	1	02/01/2024 22:18	WG2216893
Lead	9280		0.251	0.603	1	02/01/2024 22:18	WG2216893
Selenium	4.66		0.921	2.41	1	02/01/2024 22:18	WG2216893
Silver	39.5		0.153	1.21	1	02/01/2024 22:18	WG2216893

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.0		1	01/31/2024 06:12	WG2216142

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0258	J	0.0202	0.0450	1	01/31/2024 12:20	WG2216269

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	20.9		0.582	2.25	1	02/01/2024 22:21	WG2216893
Barium	107		0.0958	0.562	1	02/01/2024 22:21	WG2216893
Cadmium	0.354	J	0.0529	0.562	1	02/01/2024 22:21	WG2216893
Chromium	29.1		0.149	1.12	1	02/01/2024 22:21	WG2216893
Lead	120		0.234	0.562	1	02/01/2024 22:21	WG2216893
Selenium	U		0.859	2.25	1	02/01/2024 22:21	WG2216893
Silver	0.518	J	0.143	1.12	1	02/01/2024 22:21	WG2216893

Method Blank (MB)

(MB) R4028602-1 01/31/24 08:33

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

L1699664-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1699664-07 01/31/24 08:33 • (DUP) R4028602-3 01/31/24 08:33

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	77.3	79.6	1	2.92		10

Laboratory Control Sample (LCS)

(LCS) R4028602-2 01/31/24 08:33

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) R4028605-1 01/31/24 08:45

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

L1699664-38 Original Sample (OS) • Duplicate (DUP)

(OS) L1699664-38 01/31/24 08:45 • (DUP) R4028605-3 01/31/24 08:45

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	93.8	92.7	1	1.10		10

Laboratory Control Sample (LCS)

(LCS) R4028605-2 01/31/24 08:45

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) R4028570-1 01/31/24 07:48

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1699664-49 Original Sample (OS) • Duplicate (DUP)

(OS) L1699664-49 01/31/24 07:48 • (DUP) R4028570-3 01/31/24 07:48

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	89.7	90.2	1	0.533		10

Laboratory Control Sample (LCS)

(LCS) R4028570-2 01/31/24 07:48

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) R4028055-1 01/30/24 16:46

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

L1699664-59 Original Sample (OS) • Duplicate (DUP)

(OS) L1699664-59 01/30/24 16:46 • (DUP) R4028055-3 01/30/24 16:46

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	97.6	96.9	1	0.762		10

Laboratory Control Sample (LCS)

(LCS) R4028055-2 01/30/24 16:46

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) R4028059-1 01/30/24 17:04

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1699664-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1699664-17 01/30/24 17:04 • (DUP) R4028059-3 01/30/24 17:04

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	96.3	96.2	1	0.109		10

Laboratory Control Sample (LCS)

(LCS) R4028059-2 01/30/24 17:04

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) R4028598-1 01/31/24 08:22

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00500	J		

L1699664-28 Original Sample (OS) • Duplicate (DUP)

(OS) L1699664-28 01/31/24 08:22 • (DUP) R4028598-3 01/31/24 08:22

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	78.9	81.3	1	2.92		10

Laboratory Control Sample (LCS)

(LCS) R4028598-2 01/31/24 08:22

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) R4028592-1 01/31/24 08:02

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

L1699664-69 Original Sample (OS) • Duplicate (DUP)

(OS) L1699664-69 01/31/24 08:02 • (DUP) R4028592-3 01/31/24 08:02

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	93.6	93.5	1	0.163		10

Laboratory Control Sample (LCS)

(LCS) R4028592-2 01/31/24 08:02

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) R4028568-1 01/31/24 06:12

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1699664-70 Original Sample (OS) • Duplicate (DUP)

(OS) L1699664-70 01/31/24 06:12 • (DUP) R4028568-3 01/31/24 06:12

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	94.6	95.1	1	0.549		10

Laboratory Control Sample (LCS)

(LCS) R4028568-2 01/31/24 06:12

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) R4028331-1 01/31/24 14:39

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH - Oil & Grease	U		0.725	5.00

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

(LCS) R4028331-2 01/31/24 14:39 • (LCSD) R4028331-3 01/31/24 14:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH - Oil & Grease	20.0	21.3	22.2	107	111	64.0-132			4.14	34

Method Blank (MB)

(MB) R4028925-1 02/01/24 16:01

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) R4028925-2 02/01/24 16:01 • (LCSD) R4028925-3 02/01/24 16:01

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	1660	1700	83.0	85.0	80.0-120			2.38	20

Method Blank (MB)

(MB) R4028349-1 01/31/24 11:14

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) R4028349-2 01/31/24 11:17

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.495	99.0	80.0-120	

L1699664-69 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1699664-69 01/31/24 11:19 • (MS) R4028349-3 01/31/24 11:22 • (MSD) R4028349-4 01/31/24 11:24

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	0.534	0.0220	0.543	0.563	97.6	101	1	75.0-125			3.62	20

QUALITY CONTROL SUMMARY

L1699664-23,24,25,27,28,29,30,31,32,33,34,35,36

Method Blank (MB)

(MB) R4028350-1 01/31/24 12:28

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) R4028350-2 01/31/24 12:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.502	100	80.0-120	

L1699664-28 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1699664-28 01/31/24 12:37 • (MS) R4028350-3 01/31/24 12:40 • (MSD) R4028350-4 01/31/24 12:42

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	0.634	1.48	1.84	1.15	56.5	0.000	1	75.0-125	J6	J3 J6	46.1	20

QUALITY CONTROL SUMMARY

L1699664-37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56

Method Blank (MB)

(MB) R4028391-1 01/31/24 14:21

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) R4028391-2 01/31/24 14:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.499	99.8	80.0-120	

L1699664-48 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1699664-48 01/31/24 14:26 • (MS) R4028391-3 01/31/24 14:29 • (MSD) R4028391-4 01/31/24 14:31

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	0.562	0.0327	0.568	0.567	95.2	95.1	1	75.0-125			0.116	20

QUALITY CONTROL SUMMARY

L1699664-11,12,13,15,16,17,19,20,21

Method Blank (MB)

(MB) R4028558-1 01/31/24 22:05

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) R4028558-2 01/31/24 22:12

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.499	99.8	80.0-120	

L1699664-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1699664-12 01/31/24 22:15 • (MS) R4028558-3 01/31/24 22:17 • (MSD) R4028558-4 01/31/24 22:20

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	0.546	0.0234	0.490	0.505	85.4	88.2	1	75.0-125			3.00	20

Method Blank (MB)

(MB) R4028479-1 01/31/24 19:16

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

Method Blank (MB)

(MB) R4028771-1 02/01/24 09:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Silver	U		0.127	1.00

Laboratory Control Sample (LCS)

(LCS) R4028479-2 01/31/24 19:19

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	85.6	85.6	80.0-120	
Barium	100	91.8	91.8	80.0-120	
Cadmium	100	84.8	84.8	80.0-120	
Chromium	100	88.6	88.6	80.0-120	
Lead	100	85.2	85.2	80.0-120	
Selenium	100	85.0	85.0	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4028771-2 02/01/24 09:49

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Silver	20.0	17.3	86.7	80.0-120	

L1699737-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1699737-07 01/31/24 19:22 • (MS) R4028479-5 01/31/24 19:30 • (MSD) R4028479-6 01/31/24 19:33

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Arsenic	115	U	95.1	96.6	82.6	83.8	1	75.0-125			1.53	20
Barium	115	6.89	113	114	92.0	93.3	1	75.0-125			1.24	20
Cadmium	115	U	96.0	97.6	83.3	84.7	1	75.0-125			1.66	20
Chromium	115	7.43	110	112	89.1	91.1	1	75.0-125			2.04	20
Lead	115	3.86	103	106	86.1	88.3	1	75.0-125			2.41	20
Selenium	115	U	96.1	96.0	83.4	83.3	1	75.0-125			0.161	20

L1699737-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1699737-07 02/01/24 10:00 • (MS) R4028771-5 02/01/24 10:08 • (MSD) R4028771-6 02/01/24 10:11

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Silver	23.0	U	19.3	19.2	83.6	83.3	1	75.0-125			0.337	20

Method Blank (MB)

(MB) R4028878-1 02/01/24 15:09

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) R4028878-2 02/01/24 15:11

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	90.3	90.3	80.0-120	
Barium	100	95.5	95.5	80.0-120	
Cadmium	100	93.9	93.9	80.0-120	
Chromium	100	93.4	93.4	80.0-120	
Lead	100	90.6	90.6	80.0-120	
Selenium	100	87.5	87.5	80.0-120	
Silver	20.0	17.8	89.1	80.0-120	

L1699742-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1699742-01 02/01/24 15:12 • (MS) R4028878-5 02/01/24 15:17 • (MSD) R4028878-6 02/01/24 15:19

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	100	6.26	88.8	85.0	82.5	78.7	1	75.0-125			4.38	20
Barium	100	261	295	271	34.4	9.98	1	75.0-125	J6	J6	8.61	20
Cadmium	100	0.115	81.7	83.5	81.6	83.3	1	75.0-125			2.12	20
Chromium	100	28.2	109	110	80.9	81.7	1	75.0-125			0.668	20
Lead	100	27.7	126	107	98.4	79.7	1	75.0-125			16.1	20
Selenium	100	1.47	91.9	89.0	90.4	87.5	1	75.0-125			3.15	20
Silver	20.0	U	14.6	15.7	72.8	78.3	1	75.0-125	J6		7.26	20

Method Blank (MB)

(MB) R4029105-1 02/01/24 21:23

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	0.929	J	0.764	2.00
Silver	U		0.127	1.00

Laboratory Control Sample (LCS)

(LCS) R4029105-2 02/01/24 21:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	86.9	86.9	80.0-120	
Barium	100	90.3	90.3	80.0-120	
Cadmium	100	87.1	87.1	80.0-120	
Chromium	100	89.0	89.0	80.0-120	
Lead	100	85.8	85.8	80.0-120	
Selenium	100	86.4	86.4	80.0-120	
Silver	20.0	16.7	83.7	80.0-120	

L1699664-67 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1699664-67 02/01/24 21:26 • (MS) R4029105-5 02/01/24 21:31 • (MSD) R4029105-6 02/01/24 21:33

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 %
Arsenic	108	17.3	108	107	84.0	82.8	1	75.0-125			1.20	20
Barium	108	76.8	167	162	82.9	78.7	1	75.0-125			2.75	20
Cadmium	108	1.52	103	97.8	93.3	88.8	1	75.0-125			4.88	20
Chromium	108	28.4	130	122	93.9	86.3	1	75.0-125			6.57	20
Lead	108	219	276	278	53.0	54.5	1	75.0-125	J6	J6	0.602	20
Selenium	108	2.62	103	99.9	92.7	89.8	1	75.0-125			3.14	20
Silver	21.7	U	19.4	19.0	89.4	87.5	1	75.0-125			2.15	20

Method Blank (MB)

(MB) R4028459-1 01/31/24 18:39

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) R4028459-2 01/31/24 18:41

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	93.6	93.6	80.0-120	
Barium	100	96.7	96.7	80.0-120	
Cadmium	100	93.6	93.6	80.0-120	
Chromium	100	95.3	95.3	80.0-120	
Lead	100	93.1	93.1	80.0-120	
Selenium	100	88.7	88.7	80.0-120	
Silver	20.0	19.2	95.9	80.0-120	

L1699664-48 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1699664-48 01/31/24 18:42 • (MS) R4028459-5 01/31/24 18:47 • (MSD) R4028459-6 01/31/24 18:49

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 %
Arsenic	112	7.62	100	110	82.4	91.4	1	75.0-125			9.57	20
Barium	112	65.0	154	164	79.5	88.3	1	75.0-125			6.26	20
Cadmium	112	0.600	95.7	105	84.5	92.8	1	75.0-125			9.29	20
Chromium	112	6.48	103	110	86.0	92.0	1	75.0-125			6.29	20
Lead	112	86.8	118	160	27.4	65.4	1	75.0-125	J6	J3 J6	30.8	20
Selenium	112	0.910	96.1	104	84.6	92.0	1	75.0-125			8.23	20
Silver	22.5	0.287	19.2	21.2	84.2	92.9	1	75.0-125			9.63	20

QUALITY CONTROL SUMMARY

L1699664-28,34,35,36,37,38,39,40,41,42,43,44,45,46,47,49,71,72

Method Blank (MB)

(MB) R4029079-1 02/01/24 21:04

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) R4029079-2 02/01/24 21:07

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	89.4	89.4	80.0-120	
Barium	100	92.3	92.3	80.0-120	
Cadmium	100	87.6	87.6	80.0-120	
Chromium	100	91.6	91.6	80.0-120	
Lead	100	89.7	89.7	80.0-120	
Selenium	100	88.6	88.6	80.0-120	
Silver	20.0	16.9	84.7	80.0-120	

L1699664-28 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1699664-28 02/01/24 21:10 • (MS) R4029079-5 02/01/24 21:18 • (MSD) R4029079-6 02/01/24 21:21

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 %
Arsenic	127	34.9	172	181	108	115	1	75.0-125			4.71	20
Barium	127	216	356	323	111	84.5	1	75.0-125			9.71	20
Cadmium	127	8.78	138	132	102	97.1	1	75.0-125			4.85	20
Chromium	127	29.9	162	153	105	96.9	1	75.0-125			6.11	20
Lead	127	705	1020	893	250	148	1	75.0-125	V	V	13.5	20
Selenium	127	2.69	131	125	102	96.6	1	75.0-125			4.90	20
Silver	25.3	6.27	33.3	32.2	107	102	1	75.0-125			3.38	20

Method Blank (MB)

(MB) R4028278-3 01/28/24 23:41

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Acrolein	U		0.00254	0.0500
Acrylonitrile	U		0.000671	0.0100
Benzene	U		0.0000941	0.00100
Bromobenzene	U		0.000118	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
tert-Butylbenzene	U		0.000127	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
2-Chloroethyl vinyl ether	U		0.000575	0.0500
Chloroform	0.000116	J	0.000111	0.00500
Chloromethane	U		0.000960	0.00250
2-Chlorotoluene	U		0.000106	0.00100
4-Chlorotoluene	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500
1,2-Dibromoethane	U		0.000126	0.00100
Dibromomethane	U		0.000122	0.00100
1,2-Dichlorobenzene	U		0.000107	0.00100
1,3-Dichlorobenzene	U		0.000110	0.00100
1,4-Dichlorobenzene	U		0.000120	0.00100
Dichlorodifluoromethane	U		0.000374	0.00500
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
1,1-Dichloropropene	U		0.000142	0.00100
1,3-Dichloropropane	U		0.000110	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
2,2-Dichloropropane	U		0.000161	0.00100
Di-isopropyl ether	U		0.000105	0.00100
Ethylbenzene	U		0.000137	0.00100

Method Blank (MB)

(MB) R4028278-3 01/28/24 23:41

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Hexachloro-1,3-butadiene	U		0.000337	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,2,3-Trichlorobenzene	U		0.000230	0.00100
1,2,4-Trichlorobenzene	U		0.000481	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
Trichlorofluoromethane	U		0.000160	0.00500
1,2,3-Trichloropropane	U		0.000237	0.00250
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,2,3-Trimethylbenzene	U		0.000104	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*109*			*80.0-120*
(S) 4-Bromofluorobenzene	*104*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*122*			*70.0-130*

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

(LCS) R4028278-1 01/28/24 22:37 • (LCSD) R4028278-2 01/28/24 22:58

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0173	0.0169	69.2	67.6	19.0-160			2.34	27
Acrolein	0.0250	0.0232	0.0234	92.8	93.6	10.0-160			0.858	26
Acrylonitrile	0.0250	0.0283	0.0282	113	113	55.0-149			0.354	20

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

(LCS) R4028278-1 01/28/24 22:37 • (LCSD) R4028278-2 01/28/24 22:58

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00530	0.00490	106	98.0	70.0-123			7.84	20
Bromobenzene	0.00500	0.00428	0.00406	85.6	81.2	73.0-121			5.28	20
Bromodichloromethane	0.00500	0.00524	0.00496	105	99.2	75.0-120			5.49	20
Bromoform	0.00500	0.00399	0.00390	79.8	78.0	68.0-132			2.28	20
Bromomethane	0.00500	0.00361	0.00353	72.2	70.6	10.0-160			2.24	25
n-Butylbenzene	0.00500	0.00445	0.00387	89.0	77.4	73.0-125			13.9	20
sec-Butylbenzene	0.00500	0.00429	0.00415	85.8	83.0	75.0-125			3.32	20
tert-Butylbenzene	0.00500	0.00431	0.00414	86.2	82.8	76.0-124			4.02	20
Carbon tetrachloride	0.00500	0.00528	0.00484	106	96.8	68.0-126			8.70	20
Chlorobenzene	0.00500	0.00479	0.00449	95.8	89.8	80.0-121			6.47	20
Chlorodibromomethane	0.00500	0.00456	0.00440	91.2	88.0	77.0-125			3.57	20
Chloroethane	0.00500	0.00500	0.00438	100	87.6	47.0-150			13.2	20
2-Chloroethyl vinyl ether	0.0250	0.0253	0.0256	101	102	51.0-160			1.18	20
Chloroform	0.00500	0.00544	0.00514	109	103	73.0-120			5.67	20
Chloromethane	0.00500	0.00537	0.00488	107	97.6	41.0-142			9.56	20
2-Chlorotoluene	0.00500	0.00440	0.00414	88.0	82.8	76.0-123			6.09	20
4-Chlorotoluene	0.00500	0.00430	0.00405	86.0	81.0	75.0-122			5.99	20
1,2-Dibromo-3-Chloropropane	0.00500	0.00325	0.00322	65.0	64.4	58.0-134			0.927	20
1,2-Dibromoethane	0.00500	0.00452	0.00443	90.4	88.6	80.0-122			2.01	20
Dibromomethane	0.00500	0.00486	0.00446	97.2	89.2	80.0-120			8.58	20
1,2-Dichlorobenzene	0.00500	0.00477	0.00442	95.4	88.4	79.0-121			7.62	20
1,3-Dichlorobenzene	0.00500	0.00467	0.00442	93.4	88.4	79.0-120			5.50	20
1,4-Dichlorobenzene	0.00500	0.00456	0.00443	91.2	88.6	79.0-120			2.89	20
Dichlorodifluoromethane	0.00500	0.00508	0.00491	102	98.2	51.0-149			3.40	20
1,1-Dichloroethane	0.00500	0.00549	0.00532	110	106	70.0-126			3.15	20
1,2-Dichloroethane	0.00500	0.00572	0.00576	114	115	70.0-128			0.697	20
1,1-Dichloroethene	0.00500	0.00488	0.00437	97.6	87.4	71.0-124			11.0	20
cis-1,2-Dichloroethene	0.00500	0.00517	0.00475	103	95.0	73.0-120			8.47	20
trans-1,2-Dichloroethene	0.00500	0.00501	0.00454	100	90.8	73.0-120			9.84	20
1,2-Dichloropropane	0.00500	0.00554	0.00541	111	108	77.0-125			2.37	20
1,1-Dichloropropene	0.00500	0.00528	0.00481	106	96.2	74.0-126			9.32	20
1,3-Dichloropropane	0.00500	0.00482	0.00469	96.4	93.8	80.0-120			2.73	20
cis-1,3-Dichloropropene	0.00500	0.00470	0.00451	94.0	90.2	80.0-123			4.13	20
trans-1,3-Dichloropropene	0.00500	0.00465	0.00447	93.0	89.4	78.0-124			3.95	20
2,2-Dichloropropane	0.00500	0.00490	0.00455	98.0	91.0	58.0-130			7.41	20
Di-isopropyl ether	0.00500	0.00617	0.00626	123	125	58.0-138			1.45	20
Ethylbenzene	0.00500	0.00473	0.00460	94.6	92.0	79.0-123			2.79	20
Hexachloro-1,3-butadiene	0.00500	0.00478	0.00419	95.6	83.8	54.0-138			13.2	20
Isopropylbenzene	0.00500	0.00486	0.00451	97.2	90.2	76.0-127			7.47	20
p-Isopropyltoluene	0.00500	0.00444	0.00433	88.8	86.6	76.0-125			2.51	20

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

(LCS) R4028278-1 01/28/24 22:37 • (LCSD) R4028278-2 01/28/24 22:58

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2-Butanone (MEK)	0.0250	0.0218	0.0221	87.2	88.4	44.0-160			1.37	20
Methylene Chloride	0.00500	0.00473	0.00448	94.6	89.6	67.0-120			5.43	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0280	0.0279	112	112	68.0-142			0.358	20
Methyl tert-butyl ether	0.00500	0.00496	0.00494	99.2	98.8	68.0-125			0.404	20
Naphthalene	0.00500	0.00297	0.00320	59.4	64.0	54.0-135			7.46	20
n-Propylbenzene	0.00500	0.00423	0.00400	84.6	80.0	77.0-124			5.59	20
Styrene	0.00500	0.00530	0.00520	106	104	73.0-130			1.90	20
1,1,1,2-Tetrachloroethane	0.00500	0.00467	0.00419	93.4	83.8	75.0-125			10.8	20
1,1,2,2-Tetrachloroethane	0.00500	0.00393	0.00401	78.6	80.2	65.0-130			2.02	20
1,1,2-Trichlorotrifluoroethane	0.00500	0.0106	0.00978	212	196	69.0-132	J4	J4	8.05	20
Tetrachloroethene	0.00500	0.00539	0.00504	108	101	72.0-132			6.71	20
Toluene	0.00500	0.00504	0.00468	101	93.6	79.0-120			7.41	20
1,2,3-Trichlorobenzene	0.00500	0.00414	0.00429	82.8	85.8	50.0-138			3.56	20
1,2,4-Trichlorobenzene	0.00500	0.00405	0.00388	81.0	77.6	57.0-137			4.29	20
1,1,1-Trichloroethane	0.00500	0.00525	0.00457	105	91.4	73.0-124			13.8	20
1,1,2-Trichloroethane	0.00500	0.00464	0.00486	92.8	97.2	80.0-120			4.63	20
Trichloroethene	0.00500	0.00561	0.00499	112	99.8	78.0-124			11.7	20
Trichlorofluoromethane	0.00500	0.00570	0.00486	114	97.2	59.0-147			15.9	20
1,2,3-Trichloropropane	0.00500	0.00434	0.00418	86.8	83.6	73.0-130			3.76	20
1,2,4-Trimethylbenzene	0.00500	0.00441	0.00429	88.2	85.8	76.0-121			2.76	20
1,2,3-Trimethylbenzene	0.00500	0.00416	0.00395	83.2	79.0	60.0-153			5.18	20
1,3,5-Trimethylbenzene	0.00500	0.00430	0.00416	86.0	83.2	76.0-122			3.31	20
Vinyl chloride	0.00500	0.00529	0.00472	106	94.4	67.0-131			11.4	20
Xylenes, Total	0.0150	0.0145	0.0138	96.7	92.0	79.0-123			4.95	20
(S) Toluene-d8				*106*	*107*	*80.0-120*				
(S) 4-Bromofluorobenzene				*104*	*103*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*122*	*120*	*70.0-130*				

Method Blank (MB)

(MB) R4029217-4 02/01/24 11:20

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/MS) Low Fraction	U		0.108	0.500
(S) Toluene-d8	*101*			*80.0-120*
(S) 4-Bromofluorobenzene	*104*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4029217-3 02/01/24 10:36

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/MS) Low Fraction	5.00	5.34	107	66.0-132	
(S) Toluene-d8			*98.4*	*80.0-120*	
(S) 4-Bromofluorobenzene			*113*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*100*	*70.0-130*	

Method Blank (MB)

(MB) R4030688-5 02/06/24 22:12

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/MS) Low Fraction	U		0.108	0.500
Acetone	U		0.0113	0.0500
Acrolein	U		0.00254	0.0500
Acrylonitrile	U		0.000671	0.0100
Benzene	U		0.0000941	0.00100
Bromobenzene	U		0.000118	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
tert-Butylbenzene	U		0.000127	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
2-Chloroethyl vinyl ether	U		0.000575	0.0500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
2-Chlorotoluene	U		0.000106	0.00100
4-Chlorotoluene	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500
1,2-Dibromoethane	U		0.000126	0.00100
Dibromomethane	U		0.000122	0.00100
1,2-Dichlorobenzene	U		0.000107	0.00100
1,3-Dichlorobenzene	U		0.000110	0.00100
1,4-Dichlorobenzene	U		0.000120	0.00100
Dichlorodifluoromethane	U		0.000374	0.00500
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
1,1-Dichloropropene	U		0.000142	0.00100
1,3-Dichloropropane	U		0.000110	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
2,2-Dichloropropane	U		0.000161	0.00100
Di-isopropyl ether	U		0.000105	0.00100

Method Blank (MB)

(MB) R4030688-5 02/06/24 22:12

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Ethylbenzene	U		0.000137	0.00100
Hexachloro-1,3-butadiene	U		0.000337	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,2,3-Trichlorobenzene	U		0.000230	0.00100
1,2,4-Trichlorobenzene	U		0.000481	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
Trichlorofluoromethane	U		0.000160	0.00500
1,2,3-Trichloropropane	U		0.000237	0.00250
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,2,3-Trimethylbenzene	U		0.000104	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*108*			*80.0-120*
(S) 4-Bromofluorobenzene	*96.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*96.7*			*70.0-130*

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

(LCS) R4030688-1 02/06/24 19:50 • (LCSD) R4030688-2 02/06/24 20:10

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0246	0.0243	98.4	97.2	19.0-160			1.23	27
Acrolein	0.0250	0.0758	0.0785	303	314	10.0-160	J4	J4	3.50	26

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

(LCS) R4030688-1 02/06/24 19:50 • (LCSD) R4030688-2 02/06/24 20:10

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acrylonitrile	0.0250	0.0256	0.0256	102	102	55.0-149			0.000	20
Benzene	0.00500	0.00492	0.00517	98.4	103	70.0-123			4.96	20
Bromobenzene	0.00500	0.00500	0.00495	100	99.0	73.0-121			1.01	20
Bromodichloromethane	0.00500	0.00478	0.00490	95.6	98.0	75.0-120			2.48	20
Bromoform	0.00500	0.00415	0.00428	83.0	85.6	68.0-132			3.08	20
Bromomethane	0.00500	0.00378	0.00412	75.6	82.4	10.0-160			8.61	25
n-Butylbenzene	0.00500	0.00421	0.00439	84.2	87.8	73.0-125			4.19	20
sec-Butylbenzene	0.00500	0.00487	0.00498	97.4	99.6	75.0-125			2.23	20
tert-Butylbenzene	0.00500	0.00460	0.00480	92.0	96.0	76.0-124			4.26	20
Carbon tetrachloride	0.00500	0.00491	0.00522	98.2	104	68.0-126			6.12	20
Chlorobenzene	0.00500	0.00465	0.00487	93.0	97.4	80.0-121			4.62	20
Chlorodibromomethane	0.00500	0.00439	0.00439	87.8	87.8	77.0-125			0.000	20
Chloroethane	0.00500	0.00550	0.00590	110	118	47.0-150			7.02	20
2-Chloroethyl vinyl ether	0.0250	0.0271	0.0281	108	112	51.0-160			3.62	20
Chloroform	0.00500	0.00490	0.00509	98.0	102	73.0-120			3.80	20
Chloromethane	0.00500	0.00574	0.00610	115	122	41.0-142			6.08	20
2-Chlorotoluene	0.00500	0.00506	0.00504	101	101	76.0-123			0.396	20
4-Chlorotoluene	0.00500	0.00468	0.00471	93.6	94.2	75.0-122			0.639	20
1,2-Dibromo-3-Chloropropane	0.00500	0.00379	0.00381	75.8	76.2	58.0-134			0.526	20
1,2-Dibromoethane	0.00500	0.00451	0.00459	90.2	91.8	80.0-122			1.76	20
Dibromomethane	0.00500	0.00471	0.00473	94.2	94.6	80.0-120			0.424	20
1,2-Dichlorobenzene	0.00500	0.00477	0.00475	95.4	95.0	79.0-121			0.420	20
1,3-Dichlorobenzene	0.00500	0.00465	0.00482	93.0	96.4	79.0-120			3.59	20
1,4-Dichlorobenzene	0.00500	0.00466	0.00473	93.2	94.6	79.0-120			1.49	20
Dichlorodifluoromethane	0.00500	0.00531	0.00573	106	115	51.0-149			7.61	20
1,1-Dichloroethane	0.00500	0.00498	0.00524	99.6	105	70.0-126			5.09	20
1,2-Dichloroethane	0.00500	0.00509	0.00525	102	105	70.0-128			3.09	20
1,1-Dichloroethene	0.00500	0.00484	0.00508	96.8	102	71.0-124			4.84	20
cis-1,2-Dichloroethene	0.00500	0.00469	0.00486	93.8	97.2	73.0-120			3.56	20
trans-1,2-Dichloroethene	0.00500	0.00482	0.00513	96.4	103	73.0-120			6.23	20
1,2-Dichloropropane	0.00500	0.00498	0.00500	99.6	100	77.0-125			0.401	20
1,1-Dichloropropene	0.00500	0.00489	0.00522	97.8	104	74.0-126			6.53	20
1,3-Dichloropropane	0.00500	0.00485	0.00480	97.0	96.0	80.0-120			1.04	20
cis-1,3-Dichloropropene	0.00500	0.00459	0.00477	91.8	95.4	80.0-123			3.85	20
trans-1,3-Dichloropropene	0.00500	0.00441	0.00450	88.2	90.0	78.0-124			2.02	20
2,2-Dichloropropane	0.00500	0.00453	0.00478	90.6	95.6	58.0-130			5.37	20
Di-isopropyl ether	0.00500	0.00482	0.00501	96.4	100	58.0-138			3.87	20
Ethylbenzene	0.00500	0.00468	0.00484	93.6	96.8	79.0-123			3.36	20
Hexachloro-1,3-butadiene	0.00500	0.00455	0.00478	91.0	95.6	54.0-138			4.93	20
Isopropylbenzene	0.00500	0.00443	0.00475	88.6	95.0	76.0-127			6.97	20

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

(LCS) R4030688-1 02/06/24 19:50 • (LCSD) R4030688-2 02/06/24 20:10

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
p-Isopropyltoluene	0.00500	0.00476	0.00493	95.2	98.6	76.0-125			3.51	20
2-Butanone (MEK)	0.0250	0.0238	0.0235	95.2	94.0	44.0-160			1.27	20
Methylene Chloride	0.00500	0.00517	0.00527	103	105	67.0-120			1.92	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0253	0.0256	101	102	68.0-142			1.18	20
Methyl tert-butyl ether	0.00500	0.00460	0.00486	92.0	97.2	68.0-125			5.50	20
Naphthalene	0.00500	0.00309	0.00339	61.8	67.8	54.0-135			9.26	20
n-Propylbenzene	0.00500	0.00490	0.00500	98.0	100	77.0-124			2.02	20
Styrene	0.00500	0.00414	0.00441	82.8	88.2	73.0-130			6.32	20
1,1,1,2-Tetrachloroethane	0.00500	0.00452	0.00469	90.4	93.8	75.0-125			3.69	20
1,1,2,2-Tetrachloroethane	0.00500	0.00473	0.00504	94.6	101	65.0-130			6.35	20
1,1,2-Trichlorotrifluoroethane	0.00500	0.00429	0.00453	85.8	90.6	69.0-132			5.44	20
Tetrachloroethene	0.00500	0.00484	0.00492	96.8	98.4	72.0-132			1.64	20
Toluene	0.00500	0.00466	0.00492	93.2	98.4	79.0-120			5.43	20
1,2,3-Trichlorobenzene	0.00500	0.00414	0.00485	82.8	97.0	50.0-138			15.8	20
1,2,4-Trichlorobenzene	0.00500	0.00415	0.00443	83.0	88.6	57.0-137			6.53	20
1,1,1-Trichloroethane	0.00500	0.00485	0.00510	97.0	102	73.0-124			5.03	20
1,1,2-Trichloroethane	0.00500	0.00484	0.00498	96.8	99.6	80.0-120			2.85	20
Trichloroethene	0.00500	0.00497	0.00503	99.4	101	78.0-124			1.20	20
Trichlorofluoromethane	0.00500	0.00493	0.00532	98.6	106	59.0-147			7.61	20
1,2,3-Trichloropropane	0.00500	0.00508	0.00509	102	102	73.0-130			0.197	20
1,2,4-Trimethylbenzene	0.00500	0.00459	0.00463	91.8	92.6	76.0-121			0.868	20
1,2,3-Trimethylbenzene	0.00500	0.00485	0.00490	97.0	98.0	60.0-153			1.03	20
1,3,5-Trimethylbenzene	0.00500	0.00474	0.00481	94.8	96.2	76.0-122			1.47	20
Vinyl chloride	0.00500	0.00546	0.00584	109	117	67.0-131			6.73	20
Xylenes, Total	0.0150	0.0132	0.0140	88.0	93.3	79.0-123			5.88	20
(S) Toluene-d8				*104*	*104*	*80.0-120*				
(S) 4-Bromofluorobenzene				*93.9*	*95.1*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*102*	*100*	*70.0-130*				

Laboratory Control Sample (LCS)

(LCS) R4030688-4 02/06/24 21:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/MS) Low Fraction	5.00	5.10	102	66.0-132	
(S) Toluene-d8			*103*	*80.0-120*	
(S) 4-Bromofluorobenzene			*106*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*98.8*	*70.0-130*	

Method Blank (MB)

(MB) R4029756-4 02/02/24 12:02

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) R4029756-4 02/02/24 12:02

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	*109*			*75.0-131*
(S) 4-Bromofluorobenzene	*90.9*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*97.1*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4029756-1 02/02/24 08:39

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.125	0.0978	78.2	10.0-160	
Acrylonitrile	0.125	0.117	93.6	45.0-153	
Benzene	0.0250	0.0240	96.0	70.0-123	
Bromobenzene	0.0250	0.0204	81.6	73.0-121	

Laboratory Control Sample (LCS)

(LCS) R4029756-1 02/02/24 08:39

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromodichloromethane	0.0250	0.0220	88.0	73.0-121	
Bromoform	0.0250	0.0209	83.6	64.0-132	
Bromomethane	0.0250	0.0186	74.4	56.0-147	
n-Butylbenzene	0.0250	0.0198	79.2	68.0-135	
sec-Butylbenzene	0.0250	0.0193	77.2	74.0-130	
tert-Butylbenzene	0.0250	0.0199	79.6	75.0-127	
Carbon tetrachloride	0.0250	0.0233	93.2	66.0-128	
Chlorobenzene	0.0250	0.0236	94.4	76.0-128	
Chlorodibromomethane	0.0250	0.0217	86.8	74.0-127	
Chloroethane	0.0250	0.0255	102	61.0-134	
Chloroform	0.0250	0.0260	104	72.0-123	
Chloromethane	0.0250	0.0258	103	51.0-138	
2-Chlorotoluene	0.0250	0.0210	84.0	75.0-124	
4-Chlorotoluene	0.0250	0.0200	80.0	75.0-124	
1,2-Dibromo-3-Chloropropane	0.0250	0.0185	74.0	59.0-130	
1,2-Dibromoethane	0.0250	0.0239	95.6	74.0-128	
Dibromomethane	0.0250	0.0212	84.8	75.0-122	
1,2-Dichlorobenzene	0.0250	0.0219	87.6	76.0-124	
1,3-Dichlorobenzene	0.0250	0.0223	89.2	76.0-125	
1,4-Dichlorobenzene	0.0250	0.0224	89.6	77.0-121	
Dichlorodifluoromethane	0.0250	0.0222	88.8	43.0-156	
1,1-Dichloroethane	0.0250	0.0313	125	70.0-127	
1,2-Dichloroethane	0.0250	0.0222	88.8	65.0-131	
1,1-Dichloroethene	0.0250	0.0223	89.2	65.0-131	
cis-1,2-Dichloroethene	0.0250	0.0244	97.6	73.0-125	
trans-1,2-Dichloroethene	0.0250	0.0245	98.0	71.0-125	
1,2-Dichloropropane	0.0250	0.0264	106	74.0-125	
1,1-Dichloropropene	0.0250	0.0238	95.2	73.0-125	
1,3-Dichloropropane	0.0250	0.0212	84.8	80.0-125	
cis-1,3-Dichloropropene	0.0250	0.0205	82.0	76.0-127	
trans-1,3-Dichloropropene	0.0250	0.0195	78.0	73.0-127	
2,2-Dichloropropane	0.0250	0.0265	106	59.0-135	
Di-isopropyl ether	0.0250	0.0265	106	60.0-136	
Ethylbenzene	0.0250	0.0217	86.8	74.0-126	
Hexachloro-1,3-butadiene	0.0250	0.0239	95.6	57.0-150	
Isopropylbenzene	0.0250	0.0215	86.0	72.0-127	
p-Isopropyltoluene	0.0250	0.0183	73.2	72.0-133	
2-Butanone (MEK)	0.125	0.0677	54.2	30.0-160	
Methylene Chloride	0.0250	0.0280	112	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.125	0.0829	66.3	56.0-143	

Laboratory Control Sample (LCS)

(LCS) R4029756-1 02/02/24 08:39

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Methyl tert-butyl ether	0.0250	0.0198	79.2	66.0-132	
Naphthalene	0.0250	0.0189	75.6	59.0-130	
n-Propylbenzene	0.0250	0.0194	77.6	74.0-126	
Styrene	0.0250	0.0210	84.0	72.0-127	
1,1,1,2-Tetrachloroethane	0.0250	0.0228	91.2	74.0-129	
1,1,2,2-Tetrachloroethane	0.0250	0.0215	86.0	68.0-128	
1,1,2-Trichlorotrifluoroethane	0.0250	0.0215	86.0	61.0-139	
Tetrachloroethene	0.0250	0.0258	103	70.0-136	
Toluene	0.0250	0.0230	92.0	75.0-121	
1,2,3-Trichlorobenzene	0.0250	0.0245	98.0	59.0-139	
1,2,4-Trichlorobenzene	0.0250	0.0240	96.0	62.0-137	
1,1,1-Trichloroethane	0.0250	0.0261	104	69.0-126	
1,1,2-Trichloroethane	0.0250	0.0217	86.8	78.0-123	
Trichloroethene	0.0250	0.0222	88.8	76.0-126	
Trichlorofluoromethane	0.0250	0.0207	82.8	61.0-142	
1,2,3-Trichloropropane	0.0250	0.0181	72.4	67.0-129	
1,2,4-Trimethylbenzene	0.0250	0.0207	82.8	70.0-126	
1,2,3-Trimethylbenzene	0.0250	0.0207	82.8	66.0-132	
1,3,5-Trimethylbenzene	0.0250	0.0195	78.0	73.0-127	
Vinyl chloride	0.0250	0.0286	114	63.0-134	
Xylenes, Total	0.0750	0.0676	90.1	72.0-127	
(S) Toluene-d8			*102*	*75.0-131*	
(S) 4-Bromofluorobenzene			*88.1*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*108*	*70.0-130*	

Laboratory Control Sample (LCS)

(LCS) R4029756-3 02/02/24 10:58

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/MS) Low Fraction	5.00	4.47	89.4	52.0-154	
(S) Toluene-d8			*94.0*	*75.0-131*	
(S) 4-Bromofluorobenzene			*88.8*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*104*	*70.0-130*	

Method Blank (MB)

(MB) R4028582-1 01/30/24 16:11

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*80.5*			*31.0-160*

Laboratory Control Sample (LCS)

(LCS) R4028582-3 01/30/24 16:31

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) High Fraction	1.50	1.62	108	50.0-150	
(S) o-Terphenyl			*90.5*	*31.0-160*	

Method Blank (MB)

(MB) R4028728-1 01/31/24 22:31

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*92.0*			*31.0-160*

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

(LCS) R4028728-2 01/31/24 22:52 • (LCSD) R4028728-3 01/31/24 23:12

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.70	1.70	113	113	50.0-150			0.000	20
(S) o-Terphenyl				*91.0*	*81.5*	*31.0-160*				

Method Blank (MB)

(MB) R4028325-1 01/31/24 08:47

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	*42.9*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4028325-2 01/31/24 08:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) High Fraction	50.0	34.1	68.2	50.0-150	
(S) o-Terphenyl			*50.8*	*18.0-148*	

L1699591-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1699591-03 01/31/24 10:51 • (MS) R4028325-3 01/31/24 11:03 • (MSD) R4028325-4 01/31/24 11:15

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	50.0	396	489	472	186	152	50	50.0-150	V	V	3.54	20
(S) o-Terphenyl					*37.8*	*31.4*		*18.0-148*	J7	J7		

Method Blank (MB)

(MB) R4028328-2 01/31/24 08:47

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	*68.5*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4028328-1 01/31/24 08:34

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) High Fraction	50.0	27.5	55.0	50.0-150	
(S) o-Terphenyl			*51.1*	*18.0-148*	

L1699738-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1699738-12 01/31/24 10:32 • (MS) R4028328-3 01/31/24 10:45 • (MSD) R4028328-4 01/31/24 10:58

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	49.5	2.32	32.1	34.7	60.2	65.4	1	50.0-150			7.78	20
(S) o-Terphenyl					*47.4*	*40.0*		*18.0-148*				

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
B	The same analyte is found in the associated blank.
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.
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.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
V	The sample concentration is too high to evaluate accurate spike recoveries.

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.

Terracon
6952 S. High Tech Dr. Suite B
Midvale, Ut 84047

Billing Information:
Accounts Payable
6952 S. High Tech Dr. Suite B
Midvale, Ut 84047

Report to: Daniel Dean
Email To: daniel.dean@terracon.com

Project Description: Bonanza Park LSI
City/State Collected: Salt Lake City, UT

Phone: (801) 545-8500
Fax:
Client Project #: 61237186 Task 4.2
Lab Project #: TERRDUT-61237186

Collected by (print): Mark Lilly
Site/Facility ID #:
P.O. #:

Collected by (signature): Mark Lilly
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 TAT

Quote #:

Analysis / Container / Preservative

Chain of Custody Page 1 of 8

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# LL991604
E184
Acctnum: TERRDUT
Template:
Prelogin:
TSR: Chris Ward
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs (8260)	TPH-GRO (8260)	TPH-DRO (8015)	TRPH (1664)	Pres Chk	Remarks	Sample # (lab only)
B-1 GW	Grab	GW		1/24/24	11:20	6	X	X	X	X			-01
B-2 GW	Grab	GW		1/24/24	12:11	6	X	X	X	X			-02
B-4 GW	Grab	GW		1/23/24	14:15	6	X	X	X	X			-03
B-5 GW	Grab	GW		1/24/24	15:25	6	X	X	X	X			-04
B-114 GW	Grab	GW		1/23/24	15:35	6	X	X	X	X			-05
Trip Blank		WW				1	X	X					-06

* 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 # 526 343 6430

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Mark Lilly	1/26/24	11:30	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	1/26/24	11:50	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
PNSLCUT	1/26/24	1700	James

Trip Blank Received: Yes / No
1
HCL / MeoH
TBR

Temp: °C Bottles Received:
TLAS 1.5+0=1.5 105

Date: 1-27-24 Time: 1200

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Terracon
6952 S. High Tech Dr. Suite B
Midvale, Ut 84047

Billing Information:
Accounts Payable
6952 S. High Tech Dr. Suite B
Midvale, Ut 84047

Report to: Daniel Dean
Email To: daniel.dean@terracon.com

Project Description: Bonanza Park LSI
City/State Collected: Salt Lake City, UT

Phone: (801) 545-8500
Fax:
Client Project #: 61237186 Task 4.2
Lab Project #: TERRDUT-61237186

Collected by (print): Sarah Hamilton
Site/Facility ID #:
P.O. #:

Collected by (signature):
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

Quote #:
Date Results Needed: Standard TAT

Analysis / Container / Preservative

Pres Chk

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs (8260)	TPH-GRO (8260)	TPH-DRO (8015)	TRPH (1664)	8 RCRA Metals (6000/7000)	Remarks	Sample # (lab only)
B-1 @ 0.5	Grab	SS	0.5'	1/23/24	11:05	1					X		-07
B-1 @ 4			4'		11:10	1					X		-08
B-1 @ 6			6'		11:15	1					X		-09
B-1 @ 33.5			33.5'		12:00	2	X	X	X				-10
B-2 @ 0.5			0.5'		8:45	1					X		-11
B-2 @ 4			4'		8:50	1					X		-12
B-2 @ 6			6'		9:00	1					X		-13
B-2 @ 33.5			33.5		10:25	2	X	X	X				-14
B-3 @ 0.5			0.5		13:50	1					X		-15
B-3 @ 2.5			2.5		14:00	1					X		-16

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

Remarks: MS MSD ON B-6 @ 3.5

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	1/26/24	11:50	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
PNSLOUT	1/26/24	1700	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR
Temp: °C Bottles Received:
Date: 1-27-24 Time: 1300

If preservation required by Login: Date/Time
Hold:
Condition: NCF / OK

Chain of Custody Page 2 of 2

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# UL991604
Table #
Acctnum: TERRDUT
Template:
Prelogin:
TSR: Chris Ward
PB:
Shipped Via:

Terracon
6952 S. High Tech Dr. Suite B
Midvale, Ut 84047

Billing Information:
Accounts Payable
6952 S. High Tech Dr. Suite B
Midvale, Ut 84047

Report to: **Daniel Dean**

Email To: **daniel.dean@terracon.com**

Project Description: **Bonanza Park LSI**

City/State Collected: **Salt Lake City, UT**

Phone: **(801) 545-8500**
Fax:

Client Project # **61237186 Task 4.2**

Lab Project # **TERRDUT-61237186**

Collected by (print): Sarah Hamilton

Site/Facility ID #

P.O. #

Collected by (signature):

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

Quote #

Date Results Needed: **Standard TAT**

Immediately Packed on Ice N___ Y X

Analysis / Container / Preservative

Chain of Custody Page 3 of 8

Pace Analytical® National Center for Testing & Innovation

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Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L # L1099164

Table #

Acctnum: TERRDUT

Template:

Prelogin:

TSR: chris ward

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs (8260)	TPH-GRO (8260)	TPH-DRO (8015)	TRPH (1664)	8 RCRA Metals (6000/7000)	Pres Chk	Remarks	Sample # (lab only)
B-3 @ 5	Grab	SS	5	1/23/24	14:10	1					X			-17
B-3 @ 36.5			36.5	1/23/24	15:45	2	X	X	X					-18
B-4 @ 0.5			0.5	1/23/24	12:35	1					X			-19
B-4 @ 2.5			2.5	1/23/24	12:45	1					X			-20
B-4 @ 4			4	1/23/24	12:50	1					X			-21
B-4 @ 20			20	1/23/24	13:05	2	X	X	X					-22
B-5 @ 0.5			0.5	1/24/24	9:00	1					X			-23
B-5 @ 5			5	1/24/24	9:15	1					X			-24
B-5 @ 8			8	1/24/24	9:30	1					X			-25
B-5 @ 31			31	1/24/24	10:15	2	X	X	X					-26

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

Remarks: MS MSD on B6 @ 3.5

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	1/26/24	11:50	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
PNSLLOT	1/26/24	1700	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: °C Bottles Received:

Date: 1-27-24 Time: 1200

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Terracon
6952 S. High Tech Dr. Suite B
Midvale, Ut 84047

Billing Information:
Accounts Payable
6952 S. High Tech Dr. Suite B
Midvale, Ut 84047

Pres Chk

Report to: **Daniel Dean**

Email To: **daniel.dean@terracon.com**

Project Description: **Bonanza Park LSI**

City/State Collected: **Salt Lake City, UT**

Phone: **(801) 545-8500**
Fax:

Client Project # **61237186 Task 4.2**

Lab Project # **TERRDUT-61237186**

Collected by (print): Sarah Hamilton

Site/Facility ID #

P.O. #

Collected by (signature):

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

Quote #

Date Results Needed: **Standard TAT**

Immediately Packed on Ice N ___ Y ___ X

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs (8260)	TPH-GRO (8260)	TPH-DRO (8015)	TRPH (1664)	8 RCRA Metals (6000/7000)	Remarks	Sample # (lab only)
B-6 @ 0.5	Grab	SS	0.5	1/24/24	14:10	1					X		-27
B-6 @ 3.5			3.5	1/24/24	14:15	2					X		-28
B-6 @ 5			5	1/24/24	14:20	1					X		-29
B-7 @ 0.5			0.5	1/24/24	12:05	1					X		-30
B-7 @ 2			2	1/24/24	12:10	1					X		-31
B-7 @ 7			7	1/24/24	12:20	2					X		-32
B-8 @ 0.5			0.5	1/25/24	9:20	1					X		-33
B-8 @ 2.5			2.5	1/25/24	9:25	1					X		-34
B-8 @ 6.0			6	1/25/24	9:30	1					X		-35
B-9 @ 0.5			0.5	1/24/24	~~11:45~~ 11:51	1					X		-36

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

Remarks: Please Run MSMSD ON B-6 @ 3.5

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

Tracking #

pH _____ Temp _____

Flow _____ Other _____

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	1/26/24	11:50	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
VIA FEDEX	1/26/24	1700	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: °C Bottles Received:

Date: 1-27-24 Time: 1200

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

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

Chain of Custody Page 4 of 8

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1696d4

Table #

Acctnum: TERRDUT

Template:

Prelogin:

TSR: Chris Ward

PB:

Shipped Via:

Terracon
6952 S. High Tech Dr. Suite B
Midvale, Ut 84047

Billing Information:
Accounts Payable
6952 S. High Tech Dr. Suite B
Midvale, Ut 84047

Report to: **Daniel Dean**

Email To: **daniel.dean@terracon.com**

Project Description: **Bonanza Park LSI**

City/State Collected: **Salt Lake City, UT**

Phone: **(801) 545-8500**
Fax:

Client Project # **61237186 Task 4.2**

Lab Project # **TERRDUT-61237186**

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 TAT**

Analysis / Container / Preservative

Pres Chk

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs (8260)	TPH-GRO (8260)	TPH-DRO (8015)	TRPH (1664)	8 RCRA Metals (6000/7000)	Remarks	Sample # (lab only)
B-9 @ 4	Grab	SS	4	1/24/24	11:50	1					X		-37
B-9 @ 5			5	1/24/24	11:55	1					X		-38
B-10 @ 0.5			0.5	1/25/24	9:00	1					X		-39
B-10 @ 1.5			1.5	1/25/24	9:05	1					X		-40
B-10 @ 5.5			5.5	1/25/24	9:10	1					X		-41
B-11 @ 0.5			0.5	1/24/24	14:55	1					X		-42
B-11 @ 3.5			3.5	1/24/24	15:00	1					X		-43
B-11 @ 5.0			5	1/24/24	15:05	1					X		-44
B-12 @ 0.5			0.5	1/25/25	9:55	1					X		-45
B-12 @ 4.5			4.5	1/25/25	10:00	1					X		-46

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

Remarks: MS MSD on B-6 @ 3.5

pH _____ Temp _____

Flow _____ Other _____

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

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP X N
COC Signed/Accurate: X N
Bottles arrive intact: X N
Correct bottles used: X N
Sufficient volume sent: X N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	1/26/24	11:50	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
PWSLWT	1/26/24	1700	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: °C Bottles Received:

If preservation required by Login: Date/Time

Date: 1-27-24 Time: 0900

Hold:

Condition: NCF / OK

Chain of Custody Page 5 of 8

Pace Analytical®
National Center for Testing & Innovation

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Mount Juliet, TN 37122
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Phone: 800-767-5859
Fax: 615-758-5859

L # L1699dd

Table #

Acctnum: TERRDUT

Template:

Prelogin:

TSR: Chris Ward

PB:

Shipped Via:

Terracon
6952 S. High Tech Dr. Suite B
Midvale, Ut 84047

Billing Information:
Accounts Payable
6952 S. High Tech Dr. Suite B
Midvale, Ut 84047

Report to: **Daniel Dean**

Email To: **daniel.dean@terracon.com**

Project Description: **Bonanza Park LSI**

City/State Collected: **Salt Lake City, UT**

Phone: **(801) 545-8500**
Fax:

Client Project # **61237186 Task 4.2**

Lab Project # **TERRDUT-61237186**

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 TAT**

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs (8260)	TPH-GRO (8260)	TPH-DRO (8015)	TRPH (1664)	8 RCRA Metals (6000/7000)	Remarks	Sample # (lab only)
B-12 @ 6	Grab	SS	6	1/25/24	10:05	1					X		-47
B-13 @ 0.5			0.5	1/24/24	13:30	1					X		-48
B-13 @ 2			2	1/24/24	13:35	1					X		-49
B-13 @ 5			5	1/24/24	13:40	1					X		-50
B-14 @ 0.5			0.5	1/25/25	10:25	1					X		-51
B-14 @ 2			2	1/25/25	10:30	1					X		-52
B-14 @ 6			6	1/25/25	10:35	1					X		-53
B-15 @ 0.5			0.5	1/25/25	10:50	1					X		-54
B-15 @ 3.5			3.5	1/25/25	10:55	1					X		-55
B-15 @ 6			6	1/25/25	11:00	1					X		-56

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

Remarks: MSMSD on B-6 @ 3.5

pH _____ Temp _____

Flow _____ Other _____

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

Tracking #

Chain of Custody Page 6 of 8

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L# L1699dd

Table #

Acctnum: **TERRDUT**

Template:

Prelogin:

TSR: Chris Ward

PB:

Shipped Via:

Sample Receipt Checklist
COC Seal Present/Intact: __NP X Y __N
COC Signed/Accurate: X Y __N
Bottles arrive intact: X Y __N
Correct bottles used: X Y __N
Sufficient volume sent: X Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	1/26/24	11:50	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
PNSLCUT	1/26/24	1700	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: °C Bottles Received:

Date: 1-27-24 Time: 1200

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Terracon
6952 S. High Tech Dr. Suite B
Midvale, Ut 84047

Billing Information:
Accounts Payable
6952 S. High Tech Dr. Suite B
Midvale, Ut 84047

Pres Chk

Report to: **Daniel Dean**

Email To: **daniel.dean@terracon.com**

Project Description: **Bonanza Park LSI**

City/State Collected: **Salt Lake City, UT**

Phone: **(801) 545-8500**
Fax:

Client Project # **61237186 Task 4.2**

Lab Project # **TERRDUT-61237186**

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 TAT**

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs (8260)	TPH-GRO (8260)	TPH-DRO (8015)	TRPH (1664)	8 RCRA Metals (6000/7000)	Remarks	Sample # (lab only)
B-16 @ 0.5	Grab	SS	0.5	1/25/24	11:20	1					X		-57
B-16 @ 2.5			2.5	1/25/24	11:25	1					X		-58
B-16 @ 4.5			4.5	1/25/24	11:30	1					X		-59
B-17 @ 0.5			0.5	1/25/24	11:40	1					X		-60
B-17 @ 1.5			1.5	1/25/24	11:45	1					X		-61
B-17 @ 9			9	1/25/24	11:50	1					X		-62
B-18 @ 0.5			0.5	1/25/24	12:30	1					X		-63
B-18 @ 2.5			2.5	1/25/24	12:35	1					X		-64
B-18 @ 4			4	1/25/24	12:40	1					X		-65

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

Remarks: MS MSD on B-6 @ 3.5

pH _____ Temp _____

Flow _____ Other _____

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

Tracking #

Relinquished by : (Signature) — Date: 1/26/24 — Time: 11:50 — Received by: (Signature)

Relinquished by : (Signature) — Date: 1/26/24 — Time: 1700 — Received by: (Signature)

Relinquished by : (Signature) — Date: — Time: — Received for lab by: (Signature) — Date: 1-27-24 — Time: 0900

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: °C Bottles Received:

Hold:

Condition: NCF / OK

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

If preservation required by Login: Date/Time

Chain of Custody Page 7 of 8

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Fax: 615-758-5859

L #

Table #

Acctnum: **TERRDUT**

Template:

Prelogin:

TSR: Chris Ward

PB:

Shipped Via:

Terracon
6952 S. High Tech Dr. Suite B
Midvale, Ut 84047

Billing Information:
Accounts Payable
6952 S. High Tech Dr. Suite B
Midvale, Ut 84047

Report to: **Daniel Dean**

Email To: **daniel.dean@terracon.com**

Project Description: **Bonanza Park LSI**

City/State Collected: **Salt Lake City, UT**

Phone: **(801) 545-8500**
Fax:

Client Project # **61237186 Task 4.2**

Lab Project # **TERRDUT-61237186**

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 TAT**

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs (8260)	TPH-GRO (8260)	TPH-DRO (8015)	TRPH (1664)	8 RCRA Metals (6000/7000)	Remarks	Sample # (lab only)
B-112 @ 0.5	Grab	SS	0.5	1/23/24	8:46	1					X		-66
B-112 @ 4			4	1/23/24	8:51	1					X		-67
B-112 @ 33.5			33.5	1/23/24	10:26	2	X	X	X				-68
B-112 @ 6			6	1/23/24	9:01	1					X		-69
B-114 @ 0.5			0.5	1/23/24	12:36	1					X	-70	-70 HR 1/27
B-119 @ 4			4	1/24/24	11:51	1					X		-71
B-110 @ 5.5			5.5	1/25/25	9:11	1					X		-72

Chain of Custody Page 8 of 9

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Fax: 615-758-5859

L #

Table #

Acctnum: **TERRDUT**

Template:

Prelogin:

TSR: Chris Ward

PB:

Shipped Via:

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

Remarks: MS MSD ON B-6 @ 3.5

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	1/26/24	11:50	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	1/26/24	1700	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: °C Bottles Received:

If preservation required by Login: Date/Time

Date: 1-27-24 Time: 1200

Hold:

Condition: NCF / OK

Tracking Numbers		TLAB Temperature
		2.8+0=2.8
		3.6+0=3.6
		1.5±0=1.5

Name

Date

Chain of Custody Page 1 of 8

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L# UL99Ldd4
E184

Acctnum: TERRDUT
Template:
Prelogin:
TSR: Chris Ward
PB:
Shipped Via:

Terracon 6952 S. High Tech Dr. Suite B Midvale, Ut 84047	Billing Information: Accounts Payable 6952 S. High Tech Dr. Suite B Midvale, Ut 84047	Pres Chk
Report to: Daniel Dean	Email To: daniel.dean@terracon.com	
Project Description: Bonanza Park LSI	City/State Collected: Salt Lake City, UT	
Phone: (801) 545-8500 Fax:	Client Project # 61237186 Task 4.2	Lab Project # TERRDUT-61237186
Collected by (print): Mark Lilly	Site/Facility ID #	P.O. #
Collected by (signature): Mark Lilly	*Rush?* (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day	Quote #
Immediately Packed on Ice N ___ Y X	Date Results Needed Standard TAT	

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs (8260)	TPH-GRO (8260)	TPH-DRO (8015)	TRPH (1664)	Remarks	Sample # (lab only)
B-1 GW	Grab	GW		1/24/24	11:20	6	X	X	X	X		-01
B-2 GW	Grab	GW		1/24/24	12:11	6	X	X	X	X		-02
B-4 GW	Grab	GW		1/23/24	14:15	6	X	X	X	X		-03
B-5 GW	Grab	GW		1/24/24	15:25	6	X	X	X	X		-04
B-114 GW	Grab	GW		1/23/24	15:35	6	X	X	X	X		-05
Trip Blank		WW				1	X	X				-06

* 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 # 526 343 6430

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Mark Lilly	1/26/24	11:30	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	1/26/24	11:50	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
PNSLCUT	1/26/24	1700	

Trip Blank Received: (Yes) No
HCL / MeoH
TBR

Temp: °C Bottles Received:
TLAS 1.5+0=1.5 10S

If preservation required by Login: Date/Time

Date: 1-27-24 Time: 1200

Hold:

Condition: NCF / OK

Terracon
6952 S. High Tech Dr. Suite B
Midvale, Ut 84047

Billing Information:
Accounts Payable
6952 S. High Tech Dr. Suite B
Midvale, Ut 84047

Pres Chk

Report to: Daniel Dean

Email To: daniel.dean@terracon.com

Project Description: Bonanza Park LSI

City/State Collected: Salt Lake City, UT

Phone: (801) 545-8500
Fax:

Client Project # 61237186 Task 4.2

Lab Project # TERRDUT-61237186

Collected by (print): Sarah Hamilton

Site/Facility ID #

P.O. #

Collected by (signature):

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

Quote #

Date Results Needed: Standard TAT

Immediately Packed on Ice N ___ Y X

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs (8260)	TPH-GRO (8260)	TPH-DRO (8015)	TRPH (1664)	8 RCRA Metals (6000/7000)	Remarks	Sample # (lab only)
B-1@0.5	Grab	SS	0.5'	1/23/24	11:05	1					X		-07
B-1@4			4'		11:10	1					X		-08
B-1@6			6'		11:15	1					X		-09
B-1@33.5			33.5'		12:00	2	X	X	X	X			-10
B-2@0.5			0.5'		8:45	1					X		-11
B-2@4			4'		8:50	1					X		-12
B-2@6			6'		9:00	1					X		-13
B-2@33.5			33.5		10:25	2	X	X	X	X			-14
B-3@0.5			0.5		13:50	1					X		-15
B-3@2.5			2.5		14:00	1					X		-16

Chain of Custody Page 2 of 2

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L# L1699164

Table #

Acctnum: TERRDUT

Template:

Prelogin:

TSR: Chris Ward

PB:

Shipped Via:

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

Remarks: MS MSD ON B-6@3.5

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	1/26/24	1:50	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
FNSLCUT	1/26/24	1700	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: °C Bottles Received:

Date: Time: 1200

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Terracon
6952 S. High Tech Dr. Suite B
Midvale, Ut 84047

Billing Information:
Accounts Payable
6952 S. High Tech Dr. Suite B
Midvale, Ut 84047

Pres Chk

Report to: Daniel Dean

Email To: daniel.dean@terracon.com

Project Description: Bonanza Park LSI

City/State Collected: Salt Lake City, UT

Phone: (801) 545-8500
Fax:

Client Project # 61237186 Task 4.2

Lab Project # TERRDUT-61237186

Collected by (print): Sarah Hamilton

Site/Facility ID #

P.O. #

Collected by (signature):

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

Quote #

Date Results Needed: Standard TAT

Immediately Packed on Ice N___ Y X

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs (8260)	TPH-GRO (8260)	TPH-DRO (8015)	TRPH (1664)	8 RCRA Metals (6000/7000)	Remarks	Sample # (lab only)
B-3 @ 5	Grab	SS	5	1/23/24	14:10	1					X		-17
B-3 @ 36.5			36.5	1/23/24	15:45	2	X	X	X	X			-18
B-4 @ 0.5			0.5	1/23/24	12:35	1					X		-19
B-4 @ 2.5			2.5	1/23/24	12:45	1					X		-20
B-4 @ 4			4	1/23/24	12:50	1					X		-21
B-4 @ 20			20	1/23/24	13:05	2	X	X	X	X			-22
B-5 @ 0.5			0.5	1/24/24	9:00	1					X		-23
B-5 @ 5			5	1/24/24	9:15	1					X		-24
B-5 @ 8			8	1/24/24	9:30	1					X		-25
B-5 @ 31			31	1/24/24	10:15	2	X	X	X	X			-26

Chain of Custody Page 3 of 8

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L # UL091604

Table #

Acctnum: TERRDUT

Template:

Prelogin:

TSR: Chris Ward

PB:

Shipped Via:

Immediately Packed on Ice N___ Y X

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

Remarks: MS MSD on B6 @ 3.5

pH _____ Temp _____

Flow _____ Other _____

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

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP X Y __N
COC Signed/Accurate: X Y __N
Bottles arrive intact: X Y __N
Correct bottles used: X Y __N
Sufficient volume sent: X Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	1/26/24	11:50		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
FNSLLWT	1/26/24	1700		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
				1-27-24 1200

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Terracon
6952 S. High Tech Dr. Suite B
Midvale, Ut 84047

Billing Information:
Accounts Payable
6952 S. High Tech Dr. Suite B
Midvale, Ut 84047

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 4 of 8

Pace Analytical
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12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to: Daniel Dean
Email To: daniel.dean@terracon.com

Project Description: Bonanza Park LSI
City/State Collected: Salt Lake City, UT

Phone: (801) 545-8500
Fax:
Client Project # 61237186 Task 4.2
Lab Project # TERRDUT-61237186

L# LL699604
Table #
Acctnum: TERRDUT
Template:
Prelogin:
TSR: Chris Ward
PB:
Shipped Via:

Collected by (print): Sarah Hamilton
Site/Facility ID #
P.O. #

Collected by (signature):
Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day
Quote #
Date Results Needed: Standard TAT

Immediately Packed on Ice N ___ Y X

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs (8260)	TPH-GRO (8260)	TPH-DRO (8015)	TRPH (1664)	8 RCRA Metals (6000/7000)	Remarks	Sample # (lab only)
B-6@0.5	Grab	SS	0.5	1/24/24	14:10	1					X		-27
B-6@3.5			3.5	1/24/24	14:15	2					X		-28
B-6@5			5	1/24/24	14:20	1					X		-29
B-7@0.5			0.5	1/24/24	12:05	1					X		-30
B-7@2			2	1/24/24	12:10	1					X		-31
B-7@7			7	1/24/24	12:20	2					X		-32
B-8@0.5			0.5	1/25/24	9:20	1					X		-33
B-8@2.5			2.5	1/25/24	9:25	1					X		-34
B-8@6.0			6	1/25/24	9:30	1					X		-35
B-9@0.5			0.5	1/24/24	~~11:15~~ 11:51	1					X		-36

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

Remarks: Please Run MS/MSD ON B-6 @ 3.5

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Sarah Hamilton	1/26/24	11:50	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
FedEx Ground	1/26/24	1700	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR
Temp: °C Bottles Received:
Date: 1-27-24 Time: 1200

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Terracon
6952 S. High Tech Dr. Suite B
Midvale, Ut 84047

Billing Information:
Accounts Payable
6952 S. High Tech Dr. Suite B
Midvale, Ut 84047

Pres Chk

Report to: Daniel Dean

Email To: daniel.dean@terracon.com

Project Description: Bonanza Park LSI

City/State Collected: Salt Lake City, UT

Phone: (801) 545-8500
Fax:

Client Project # 61237186 Task 4.2

Lab Project # TERRDUT-61237186

Collected by (print): Sarah Hamilton

Site/Facility ID #

P.O. #

Collected by (signature):

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

Quote #

Date Results Needed: Standard TAT

Immediately Packed on Ice N ___ Y X

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs (8260)	TPH-GRO (8260)	TPH-DRO (8015)	TRPH (1664)	8 RCRA Metals (6000/7000)	Remarks	Sample # (lab only)
B-9 @ 4	GRAB	SS	4	1/24/24	11:50	1					X		-37
B-9 @ 5			5	1/24/24	11:55	1					X		-38
B-10 @ 0.5			0.5	1/25/24	9:00	1					X		-39
B-10 @ 1.5			1.5	1/25/24	9:05	1					X		-40
B-10 @ 5.5			5.5	1/25/24	9:10	1					X		-41
B-11 @ 0.5			0.5	1/24/24	14:55	1					X		-42
B-11 @ 3.5			3.5	1/24/24	15:00	1					X		-43
B-11 @ 5.0			5	1/24/24	15:05	1					X		-44
B-12 @ 0.5			0.5	1/25/25	9:55	1					X		-45
B-12 @ 4.5			4.5	1/25/25	10:00	1					X		-46

Chain of Custody Page 5 of 8

Pace Analytical
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# UL699dd4

Table #

Acctnum: TERRDUT

Template:

Prelogin:

TSR: Chris Ward

PB:

Shipped Via:

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

Remarks: MS MSD on B-6 @ 3.5

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP X N
COC Signed/Accurate: X N
Bottles arrive intact: X N
Correct bottles used: X N
Sufficient volume sent: X N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	1/26/24	11:50			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	If preservation required by Login: Date/Time
PWSLWT	1/26/24	1700			
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
				1-27-24 0800	

Terracon
6952 S. High Tech Dr. Suite B
Midvale, Ut 84047

Billing Information:
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Midvale, Ut 84047

Pres Chk

Report to: Daniel Dean

Email To: daniel.dean@terracon.com

Project Description: Bonanza Park LSI

City/State Collected: Salt Lake City, UT

Phone: (801) 545-8500
Fax:

Client Project # 61237186 Task 4.2

Lab Project # TERRDUT-61237186

Collected by (print): Sarah Hamilton

Site/Facility ID #

P.O. #

Collected by (signature):

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

Quote #

Date Results Needed: Standard TAT

Immediately Packed on Ice N ___ Y X

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs (8260)	TPH-GRO (8260)	TPH-DRO (8015)	TRPH (1664)	8 RCRA Metals (6000/7000)	Remarks	Sample # (lab only)
B-12 @ 6	GRAB	SS	6	1/25/24	10:05	1					X		-47
B-13 @ 0.5			0.5	1/24/24	13:30	1					X		-48
B-13 @ 2			2	1/24/24	13:35	1					X		-49
B-13 @ 5			5	1/24/24	13:40	1					X		-50
B-14 @ 0.5			0.5	1/25/25	10:25	1					X		-51
B-14 @ 2			2	1/25/25	10:30	1					X		-52
B-14 @ 6			6	1/25/25	10:35	1					X		-53
B-15 @ 0.5			0.5	1/25/25	10:50	1					X		-54
B-15 @ 3.5			3.5	1/25/25	10:55	1					X		-55
B-15 @ 6			6	1/25/25	11:00	1					X		-56

Chain of Custody Page 6 of 8

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National Center for Testing & Innovation

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Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1699404

Table #

Acctnum: TERRDUT

Template:

Prelogin:

TSR: Chris Ward

PB:

Shipped Via:

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

Remarks: MSMD on B-6 @ 3.5

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	1/26/24	11:50	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
PNSLCUT	1/26/24	1700	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: °C Bottles Received:

If preservation required by Login: Date/Time

Date: 1-27-24 Time: 1200

Hold:

Condition: NCF / OK

Terracon
6952 S. High Tech Dr. Suite B
Midvale, Ut 84047

Billing Information:
Accounts Payable
6952 S. High Tech Dr. Suite B
Midvale, Ut 84047

Pres Chk

Report to: Daniel Dean

Email To: daniel.dean@terracon.com

Project Description: Bonanza Park LSI

City/State Collected: Salt Lake City, UT

Phone: (801) 545-8500
Fax:

Client Project # 61237186 Task 4.2

Lab Project # TERRDUT-61237186

Collected by (print): Sarah Hamilton

Site/Facility ID #

P.O. #

Collected by (signature):

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

Quote #

Date Results Needed: Standard TAT

Immediately Packed on Ice N ___ Y X

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs (8260)	TPH-GRO (8260)	TPH-DRO (8015)	TRPH (1664)	8 RCRA Metals (6000/7000)	Remarks	Sample # (lab only)
B-16 @ 0.5	Grab	SS	0.5	1/25/24	11:20	1					X		-57
B-16 @ 2.5			2.5	1/25/24	11:25	1					X		-58
B-16 @ 4.5			4.5	1/25/24	11:30	1					X		-59
B-17 @ 0.5			0.5	1/25/24	11:40	1					X		-60
B-17 @ 1.5			1.5	1/25/24	11:45	1					X		-61
B-17 @ 9			9	1/25/24	11:50	1					X		-62
B-18 @ 0.5			0.5	1/25/24	12:30	1					X		-63
B-18 @ 2.5			2.5	1/25/24	12:35	1					X		-64
B-18 @ 4			4	1/25/24	12:40	1					X		-65

Chain of Custody Page 7 of 8

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Phone: 800-767-5859
Fax: 615-758-5859

L #

Table #

Acctnum: TERRDUT

Template:

Prelogin:

TSR: Chris Lunt

PB:

Shipped Via:

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

Remarks: MSMSD on B-6 @ 3.5

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	1/26/24	11:50			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	If preservation required by Login: Date/Time
PWSLUT	1/26/24	1707			
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 1-27-24 Time: 0900	Hold: Condition: NCF / OK

Terracon
6952 S. High Tech Dr. Suite B
Midvale, Ut 84047

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Report to: Daniel Dean

Email To: daniel.dean@terracon.com

Project Description: Bonanza Park LSI

City/State Collected: Salt Lake City, UT

Phone: (801) 545-8500
Fax:

Client Project # 61237186 Task 4.2

Lab Project # TERRDUT-61237186

Collected by (print): Sarah Hamilton

Site/Facility ID #

P.O. #

Collected by (signature):

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

Quote #

Date Results Needed: Standard TAT

Immediately Packed on Ice N___ Y X

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs (8260)	TPH-GRO (8260)	TPH-DRO (8015)	TRPH (1664)	8 RCRA Metals (6000/7000)	Remarks	Sample # (lab only)
B-112 @ 0.5	Grab	SS	0.5	1/23/24	8:46	1					X		-66
B-112 @ 4			4	1/23/24	8:51	1					X		-67
B-112 @ 33.5			33.5	1/23/24	10:26	2	X	X	X	X			-68
B-112 @ 6			6	1/23/24	9:01	1					X		-69
B-114 @ 0.5			0.5	1/23/24	12:36	1					X	-70	-70HR 1/27
B-119 @ 4			4	1/24/24	11:51	1					X		-71
B-110 @ 5.5			5.5	1/25/25	9:11	1					X		-72

Analysis / Container / Preservative

Chain of Custody Page 8 of 9

Pace Analytical
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
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Fax: 615-758-5859

L #

Table #

Acctnum: TERRDUT

Template:

Prelogin:

TSR: Chris Ward

PB:

Shipped Via:

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

Remarks: MS/MSD ON B-6 @ 3.5

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	1/26/24	1150	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	1/26/24	1700	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: °C Bottles Received:

If preservation required by Login: Date/Time

Date: 1-27-24 Time: 1200

Hold:

Condition: NCF / OK

Tracking Numbers	Temperature TLAB
	2.8+0=2.8
	3.6+0=3.6
	1.5±0=1.5

Name

Date

L1699664 *TERRDUT* Updates

R2/R3/R4/RX/EX

Per client request please add TPHOGHEX to

-10

-14

-18

-22

-26

-68

New COC attached

_ _

Thanks,

*Chris
Ward (He/him/his)

*Project Manager2_*

_***Pace Analytical National***
*

12065 Lebanon Road | Mt. Juliet, TN 37122**

Chris.ward@pacelabs.com
| www.pacenational.com

615.773.9712

MAKE YOUR PAYMENTS ONLINE

Time estimate: oh **Time spent:** oh

Members

CW Chris Ward (responsible)