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Chevron U.S.A., Inc.

2023 Remediation Summary and Soil Closure Request Report

Old Indian Gathering Line Northern Area

Incident ID# NCLB0525655219

February 2024

2023 Remediation Summary and Soil Closure Request Report

Old Indian Draw Gathering Line Northern Area
Incident ID# NCLB0525655219

February 2024

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1 Introduction

Arcadis U.S., Inc. (Arcadis) has prepared this Remediation Summary and Soil Closure Request Report (Report), on behalf of Chevron U.S.A., Inc. (Chevron), for the release site known as the Old Indian Draw Gathering Line Northern Area (Site).

2 Project Summary

The Site is located approximately 8-miles southeast of the City of Carlsbad in Unit Letter J, Section 18, Township 22 South, Range 28 East. Old Indian Draw Gathering Line Site is an inactive pasture location as of October 26, 2023. The Site is located on land owned by the United States Department of the Interior and administered by the Bureau of Land Management (BLM). The site location map is depicted on **Figure 1**.

On September 6, 2005, a fiberglass high pressure line (3-inch diameter) was leaking produced water at the collar. Approximately 30 barrels (bbls) of produced water were released, of which 6 bbls were recovered. Approximately 7,020 square feet of surface area was impacted by the release. A C-141 Form was not located for this incident, but limited information pertaining to this incident was found on the New Mexico Oil Conservation Division (NMOCD) database. The release was assigned Incident Number NCLB0525655219; no remediation permit number was assigned. The information available from the NMOCD database for this release is included in **Appendix A**.

3 Soil and Groundwater Assessment Summary

On June 14-15, 2021, Larson & Associates, Inc. (Larson) began assessing the release area to depths of approximately 10 feet below ground surface (bgs) at 3 locations within the release area boundaries and at 4 additional locations surrounding the release area utilizing air rotary drilling methods to evaluate the horizontal extent of the release area.

Soil samples were submitted to Eurofins/Xenco Laboratories (Eurofins) in Midland, Texas, for analyses of chloride; benzene, toluene, ethylbenzene, and xylenes (BTEX); and total petroleum hydrocarbons (total TPH). Analytical results were reported below the applicable NMOCD regulatory limits for a site with groundwater less than 50 feet bgs for total TPH (100 milligrams per kilogram (mg/kg)); BTEX (50 mg/kg); and benzene (10 mg/kg) from all soil samples collected. Analytical results indicated chloride concentrations ranged from 9.07 mg/kg in S-10 at 0.5 feet bgs to 1,060 mg/kg in S-6 at 5 feet bgs., exceeding the NMOCD regulatory limit of 600 mg/kg for chloride.

Larson returned to the Site on March 10, 2022, to continue vertical delineation activities utilizing air rotary drilling methods at the previously drilled S-6 location. Soil samples collected previously from this location were reported above the NMOCD regulatory limit of 600 mg/kg for chloride at a depth of 10 feet bgs. The subsequent boring was installed to approximately 15 feet bgs. Laboratory analytical results indicated chloride concentrations were reported at 458 mg/kg in soil sample S-6 at 15 feet bgs. Vertical delineation of the release area was completed during this assessment, but additional horizontal delineation assessment activities were determined warranted.

Arcadis began additional horizontal delineation assessment activities on January 31, 2023, with a stainless-steel hand auger within the affected area. During the assessment, a resilient rock layer was encountered approximately 1-foot bgs at all locations. Arcadis collected 8 soil samples (L-1 through L-8) at depths of approximately six inches

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bgs. Only one soil sample (L-2) from that assessment was reported above the applicable New Mexico Administration Code (NMAC) screening level for chloride at a concentration of 909 mg/kg. Sample location L-4 was field screened for chloride but was not submitted for laboratory analyses. Field screening from L-4 indicated an estimated chloride concentration of 1,140 mg/kg. Evaluation of soil data collected to date confirmed horizontal and vertical delineation of the northern release area was accomplished in conjunction with the initial Larson assessment activities.

On February 13, 2023, Arcadis oversaw installation of a temporary monitoring well (TW-2) approximately 0.1 mile east of the Site. During the installation of the temporary monitoring well, soil samples were collected from the surface to the top of the groundwater bearing unit at 5-foot intervals to conduct field screening for chloride utilizing Hach testing strips and for volatile organic compounds (VOCs) utilizing a photoionization detector (PID). Field screening results from soil samples collected during the installation of the temporary monitoring well indicated no chloride or VOC impacts in soil from the ground surface down to the groundwater bearing unit encountered at approximately 47.5 feet bgs. No soil samples were submitted for laboratory analysis.

On February 13, 2023, the temporary monitoring well was developed utilizing Environmental Protection Agency (EPA) Standard Methods. Following development activities on the temporary monitoring well, a groundwater sample was collected and submitted to the laboratory for analysis of chloride and total dissolved solids (TDS) concentrations. Laboratory analytical results indicated chloride and TDS concentrations were below the New Mexico Environment Department Water Quality Control Commission (NMWQCC) Groundwater Standards of 250 milligrams per liter (mg/L) for chloride and 1,000 mg/L for TDS. Chloride was reported at 37.6 mg/L and TDS was reported at 328 mg/L.

Evaluation of soil data collected to date confirmed horizontal and vertical delineation of the release area were accomplished in conjunction with the initial Larson soil assessment activities, and that there is no chloride or TDS impact to groundwater proximate to the release area.

Analytical results from the soil assessments**,** groundwater analytical results from groundwater samples collected from the temporary monitoring well, and associated laboratory analytical reports are included in the approved Variance Request in **Appendix C**.

4 Closure Criteria for Soils Impacted by a Release

Constituent	Limit (mg/kg)
Chloride	600 mg/kg
TPH (GRO+DRO+MRO)	100 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

The NMOCD classifies the Site at the most stringent regulatory limits due to the depth to groundwater confirmed at approximately 46 feet bgs. Per Table I of New Mexico Administrative Code (NMAC) part 19.15.29.12, the closure criteria above applies to a site with depth to ground water less than 50 feet bgs feet.

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5 Remediation Activities Summary

5.1 Soil Removal

Soil remediation activities (excavation) were performed by Arcadis and ᵉTECH Environmental and Safety (ᵉTECH) from March 6 through 20, 2023. PID readings, chloride field screening utilizing Hach® test strip results, and analytical results from the assessment activities were evaluated assuming the most stringent NMOCD closure criteria for soil prior to and during remediation activities to determine the horizontal and vertical extent of soil affected by the spill.

The release area covered an approximate 4,200 square foot area along the lease road. Excavation activities were conducted to a maximum depth of approximately 2.5 feet bgs within the release area due to encountering base rock at those depths. Repeated attempts to break through the resilient base rock layer utilizing an excavator equipped with a trenching bucket and “rock teeth” yielded limited results. As such, excavation activities were halted, and a Variance Request was submitted to NMOCD and BLM for approval.

5.2 Variance Request Submittal

A Variance Request was submitted to the NMOCD on April 18, 2023, requesting approval to cease further excavation activities within the release area and to subsequently line the excavated area prior to backfilling. The Variance Request was approved by NMOCD on July 14, 2023. The approved site remediation activities and associated stipulations are outlined in the Variance Request attached in **Appendix C**.

At this time, approximately 480 cubic yards of impacted soil were excavated, stockpiled on-site adjacent to the release area on 20 mil plastic sheeting, and covered with 20 mil plastic sheeting during remediation activities prior to disposal activities. The limits of the excavation are presented on **Figure 2**.

The stockpiled soil was disposed offsite at the Lea Land Landfill facility located at Mile Marker 64, US Highway 62/180 East, Carlsbad, New Mexico as Class 2 non-hazardous material. ᵉTECH transported a total of 24 truckloads of soil directly to the landfill between February 22 through February 28, 2023. Copies of disposal manifests can be provided upon request.

5.3 Excavation Confirmation Sampling Activities

Following the initial termination of excavation activities, Arcadis personnel conducted excavation confirmation soil sampling activities on March 7 through 20, 2023 for laboratory analysis to document BTEX, Total TPH, and chloride concentrations in soil within the sidewalls and base of the excavation area. These activities included collection of a total of twenty-one composite base samples (B-1 through B-21) and three composite sidewall samples (SW-1 through SW-3B). All composite samples were collected at intervals to maintain an approximate 200 square foot sample space or less. Two composite sidewall samples (SW-1 and SW-3) were determined to have chloride or Total TPH concentrations greater than the applicable NMAC standards specified within 19.15.29. Additional soil was excavated from those areas and two additional composite sidewall samples (SW-1B and SW-3B) were collected for laboratory analyses.

The soil confirmation soil samples were collected in four-ounce jars provided by Eurofins located in Midland, Texas, then placed on ice and shipped to Eurofins to be analyzed for chloride by USEPA Method 300; TPH by

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USEPA Method 8015M for GRO, DRO, and ORO; and BTEX by USEPA Method 8021. Analytical results are shown in **Table 1**. Sidewall composite confirmation sample locations are depicted on **Figure 2,** and excavation base composite confirmation sample locations are depicted on **Figure 3**. Laboratory analytical reports are included in **Appendix E**.

5.4 Chloride

Ten of the 21 composite confirmation soil samples collected within the base of excavated area were above the NMAC reclamation limit of 600 mg/kg following remediation activities. Chloride concentrations exceeding the NMAC reclamation limit remaining in-situ ranged from 671 mg/kg to 2,210 mg/kg. No sidewall samples exceeded the reclamation limit following excavation activities.

5.5 TPH

Total TPH concentrations were reported below the NMAC screening standard of 100 mg/kg at all composite confirmation soil sample locations following remediation activities.

5.6 BTEX

Benzene concentrations were reported below the NMAC standard of 10 mg/kg at all composite confirmation soil sample locations. BTEX concentrations were reported below the NMAC standard of 50 mg/kg at all composite confirmation soil sample locations.

5.7 Soil Amendments and Liner Installation

Following excavation activities and approval of the Variance Request from NMOCD, a layer of gypsum was applied to the base of the excavation area to inhibit the downward migration of chloride remaining in-situ. A geosynthetic liner was installed above the gypsum layer and an additional layer of gypsum was installed atop the liner to prohibit potential upward migration of chloride remaining in-situ to further support revegetation of the remediated area as approved in the Variance Request.

Photographic documentation of all excavation activities is attached in the **Appendix D**.

6 Restoration, Reclamation, and Re-Vegetation Plan

Upon receiving laboratory analytical results from the excavation confirmation soil samples confirming impacted soil over the applicable restoration closure limits had been removed laterally and excavated to the extent possible vertically down to the base rock layer, the lined excavated area was backfilled with locally sourced, non-impacted "like" material placed at or near the original relative positions. The affected area was contoured and compacted to achieve erosion control, stability, and preservation of surface water flow to the extent practicable. The excavated area within the affected pasture was topped with a topsoil similar to native surrounding pasture material and reseeded with a BLM-approved seed mixture on September 20, 2023. The lined excavated area within the lease road area was backfilled and reconstructed as a lease road.

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7 Summary

Analytical results for remediation activities conducted in 2023 indicate that the horizontal and vertical extent of chloride, total TPH, and BTEX impact in soil above NMAC Closure Criteria for a site with depth to groundwater less than 50 feet bgs have been delineated both horizontally and vertically. Impacted soil above the applicable NMAC Closure Criteria has been excavated from the release area horizontally and removed vertically to the base rock layer as stipulated in the approved Variance Request. Soil amendments and a geosynthetic liner were installed prior to backfilling the excavation area as stipulated in the approved Variance Request.

8 Soil Closure Request

Remediation activities were conducted in accordance with the NMOCD regulatory guidelines stipulated in NMAC 19.15.29 and an approved Variance Request. Impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standard was excavated and transported to an NMOCD-approved disposal facility. Laboratory analytical results from confirmation soil samples indicate concentrations of BTEX, Total TPH and chloride are below the NMOCD Closure Criteria in each of the submitted soil sidewall samples collected from the remediated area. Soil amendments (gypsum) and a geosynthetic liner were installed within the base of the excavation area as stipulated in the approved Variance Request.

Based on laboratory analytical results and field activities conducted to date, no additional soil assessment or remediation activities are recommended at this time for the Site. Arcadis requests closure be granted to the Old Indian Draw Gathering Line Northern Area Site for Incident ID number NCLB0525655219. The Final C-141 Form is included as **Appendix B.**

Tables

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Table 1
2023 Soil Analytical Results
Old Indian Draw Gathering Line Northern
Incident No NCLB0525655219
Chevron U.S.A., Inc.
Eddy County, New Mexico

ARCADIS

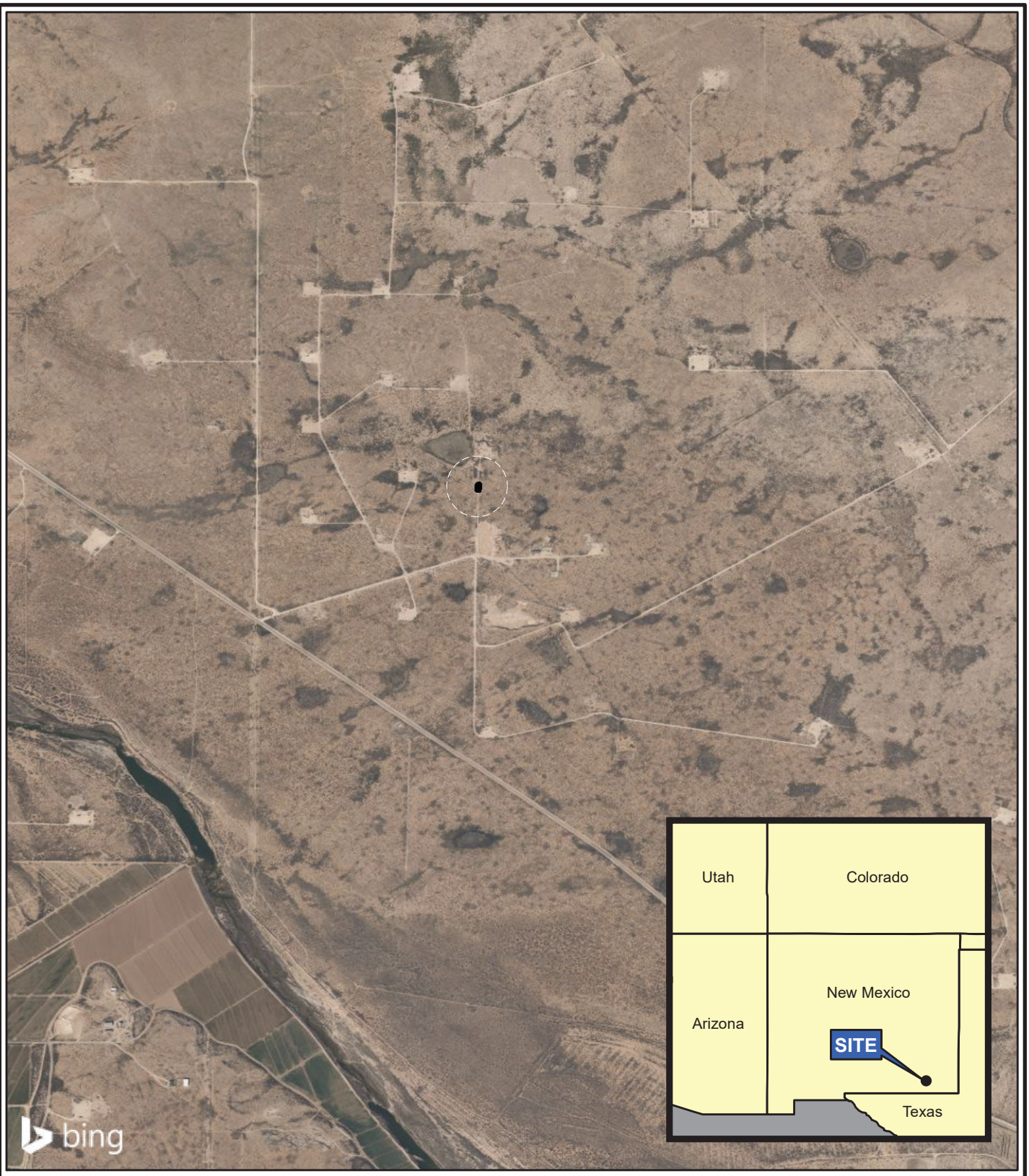
Location ID	Depth (Feet)	Date Collected	Sample Name	Soil Status	BTEX					TPH				Gen Chem
					Benzene mg/kg	Toluene mg/kg	Ethylbenzene mg/kg	Xylenes, Total mg/kg	Total BTEX mg/kg	Gasoline Range Organics (GRO)-C6-C10 mg/kg	Diesel Range Organics (Over C10-C28) mg/kg	Oil Range Organics (Over C28-C36) mg/kg	Total TPH mg/kg	Chloride, Dissolved mg/kg
NMAC Screening Limit					10	- -	- -	- -	50	- -	- -	- -	100	600
B-01	2	03/07/2023	B-1-S-2'-20230307	In-Situ	<0.000383	<0.000453	<0.000562	<0.00100	<0.00100	23.3J	<15.0	<15.0	23.3J	133
B-02	2	03/07/2023	B-2-S-2'-20230307	In-Situ	<0.000384	<0.000455	<0.000564	<0.00101	<0.00101	<15.0	<15.0	<15.0	<15.0	97.5
B-03	2	03/07/2023	B-3-S-2'-20230307	In-Situ	0.000428J	<0.000453	<0.000562	<0.00100	<0.00100	<15.0	<15.0	<15.0	<15.0	55.9
B-04	2	03/07/2023	B-4-S-2'-20230307	In-Situ	<0.000384	<0.000455	<0.000564	<0.00101	<0.00101	19.7J	19.0J	<15.0	38.7J	444
B-05	1	03/07/2023	B-5-S-1'-2-20230307	In-Situ	<0.000387	<0.000459	<0.000568	<0.00102	<0.00102	<15.0	<15.0	<15.0	<15.0	332
B-06	1	03/07/2023	B-6-S-1'-2'-20230307	In-Situ	<0.000386	<0.000457	<0.000566	<0.00101	<0.00101	<15.0	<15.0	<15.0	<15.0	308
B-07	1	03/07/2023	B-7-S-1'-2-20230307	In-Situ	<0.000384	<0.000455	<0.000564	<0.00101	<0.00101	17.9J B	27.1J	<15.0	45.0J	**1470**
B-08	1	03/07/2023	B-8-S-1'-2-20230307	In-Situ	0.000532J	0.00151J	0.00157J	0.00669	0.0103	24.1J B	27.3J	<15.0	51.4	**1160**
B-09	1	03/07/2023	B-9-S-1'-2-20230307	In-Situ	<0.000383	<0.000453	<0.000562	<0.00100	<0.00100	24.5J B	<15.0	<15.0	24.5J	**1130**
B-10	1	03/07/2023	B-10-S-1'-20230307	In-Situ	0.000973J	0.00170J	0.00170J	0.00706	0.0114	46.6J B	<15.0	<15.0	46.6J	**1050**
B-11	1	03/07/2023	B-11-S-1'-20230307	In-Situ	<0.000386	0.000487J	<0.000566	<0.00101	0.00105J	25.7J B	16.0J	<15.0	41.7J	581
B-12	1	03/07/2023	B-12-S-1'-20230307	In-Situ	<0.000383	<0.000454	<0.000563	<0.00101	<0.00101	28.8J B	34.6J	<15.0	63.4	**1190**
B-13	1	03/07/2023	B-13-S-1'-20230307	In-Situ	<0.000383	<0.000453	<0.000562	<0.00100	<0.00100	18.9J B	<15.0	<15.0	18.9J	364
B-14	1	03/07/2023	B-14-S-1'-20230307	In-Situ	<0.000383	<0.000454	<0.000563	<0.00101	<0.00101	45.3J B	<15.0	<15.0	45.3J	**768**
B-15	1	03/07/2023	B-15-S-1'-20230307	In-Situ	<0.000383	<0.000453	<0.000562	<0.00100	<0.00100	27.0J B	<14.9	<14.9	27.0J	177
B-16	1	03/07/2023	B-16-S-1'-20230307	In-Situ	<0.000384	<0.000455	<0.000564	<0.00101	<0.00101	37.7J B	<15.0	<15.0	37.7J	575
B-17	1	03/07/2023	B-17-S-1'-20230307	In-Situ	<0.000387	<0.000458	<0.000567	<0.00101	<0.00101	<15.0	<15.0	<15.0	<15.0	393
B-18	1	03/07/2023	B-18-S-1'-20230307	In-Situ	<0.000384	<0.000455	<0.000564	<0.00101	<0.00101	34.8J B	<15.0	<15.0	34.8J	**1320F1**
B-19	1	03/07/2023	B-19-S-1'-20230307	In-Situ	0.000468J	<0.000459	<0.000568	<0.00102	<0.00102	37.9J B	<15.0	<15.0	37.9J	**1280**
B-20	1	03/07/2023	B-20-S-1'-20230307	In-Situ	<0.000389	<0.000461	<0.000571	<0.00102	<0.00102	30.9J B	19.9J	<15.0	50.8	**671**
B-21	1	03/07/2023	B-21-S-1'-20230307	In-Situ	<0.000383	<0.000454	<0.000563	<0.00101	<0.00101	24.4J B	<15.0	<15.0	24.4J	**2210**
SW-1	2	03/07/2023	SW-1-S-0-2'- 20230307	Removed	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	31.1	126	<50.0	**157**	85.5
SW-2	2	03/07/2023	SW-2-S-0-2'- 20230307	In-Situ	<0.00199	0.000708 J	<0.00199	<0.00398	<0.00398	<49.9	39.6	<49.9	39.6	135
SW-3	2	03/07/2023	SW-3-S-0-2'- 20230307	Removed	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	25.9	<49.9	<49.9	25.9	**756**
SW-3B	1	03/14/2023	SW-3B-S-0-1'-20230314	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	32.7	51.4	<50.0	84.1	77.6
SW-1B	2	03/20/2023	SW-1B-S-0-2'-20230320	In-Situ	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	38.8	19.2	<50.0	58.0	46.5

Legend:
Analytes exceedng NMAC standards are indicated in **bold** and grey
J: Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
F1: MS and/or MSD recovery exceeds control limits
'<' indicates the analyte was not detected at or above the Method Detection Limit (MDL)
mg/kg: Milligram per Kilogram
NMAC : New Mexico Administration Code
bgs: Below ground surface
SW-3B: Sample was collected from the bottom of the excavation
45.3J B: Compound was found in the blank and sample

SW : Sidewall sample

Notes:
1. Chloride analyzed by EPA Method 300
2. TPH analyzed by EPA Method 8015 M
3. BTEX analyzed by EPA Method 8260B
--: No individual standard

Figures



LEGEND:

Site Boundary

NOTES:
Datum: D_WGS_1984
Source: Google Earth Map
Site Location: 32.3932°, -104.1252°

0 2,000 4,000 Feet

GRAPHIC SCALE

Chevron U.S.A., Inc.
OLD INDIAN DRAW ~ GATHERING LINE NORTH
INCIDENT NUMBER: NCLB0525655219
EDDY COUNTY, NEW MEXICO

SITE LOCATION MAP

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FIGURE 1

City: Houston Div/Group: Remediation West -Air Group Created By: W Berry Last Saved By: wberry ; Client (Project #)
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NOTES:
Datum: D_WGS_1984
Source: Google Earth Map
Site Location: 32.3932°, -104.1252°

LEGEND:

SIDEWALL SAMPLE LOCATION

EXCAVATED AREA

0 30 60 Feet

GRAPHIC SCALE

MCBU
OLD INDIAN DRAW ~ GATHERING LINE NORTH
INCIDENT NUMBER: NCLB0525655219
EDDY COUNTY, NEW MEXICO

EXCAVATION SIDEWALL SOIL SAMPLE LOCATIONS

ARCADIS

FIGURE 2

City: Houston Div/Group: Remediation West -Air Group Created By: W Berry Last Saved By: wberry ; Client (Project #)
D:\ Arcadis\Land Services\Chevron\Old Indian Draw\GIS\MXD Confirmation\OID GL-N Fig2.mxd 2/15/2024 2:29:06 PM

NOTES:
Datum: D_WGS_1984
Source: Google Earth Map
Site Location: 32.3932°, -104.1252°

LEGEND

BASE SAMPLE LOCATION

EXCAVATED AREA

0 30 60 Feet

GRAPHIC SCALE

Chevron U.S.A., Inc.
OLD INDIAN DRAW ~ GATHERING LINE NORTH
INCIDENT NUMBER: NCLB0525655219
EDDY COUNTY, NEW MEXICO

EXCAVATION BASE SOIL SAMPLE LOCATIONS

ARCADIS

FIGURE 3

City: Houston Div/Group: Remediation West -Air Group Created By: W Berry Last Saved By: wberry ; Client (Project #)
D:_Arcadis\Land Services\Chevron\Old_Indian_Draw\GIS\MXD_Confirmation\OID GL-N_Fig3.mxd 7/27/2023 4:39:32 PM

Appendix A

Initial C-141 Form Incident # NCLB0525655219

NCLB0525655219 2005 MAJOR A OS @ FCLB0525651320

General Incident Information

Site Name:

Well:

Facility: [fCLB0525651320] Chesapeake Old Indian Draw Gaterhing Line

Operator: [147179] CHESAPEAKE OPERATING, INC.

Status: Closure Not Approved

Type: Oil Release

District: Artesia

Severity: Major

Surface Owner:

County: Eddy (15)

Incident Location: G-18-22S-28E 0 FL 0 FL

Lat/Long: 32.393027,-104.125388

Directions:

Notes

Source of Referral: Industry Rep

Resulted In Fire: ☐

Endangered Public Health: ☐

Fresh Water Contamination: ☐

Action / Escalation: Referred to Environmental Inspector

Will or Has Reached Watercourse: ☐

Property Or Environmental Damage: ☐

Contact Details

Contact Name:

Contact Title:

Event Dates

Date of Discovery: 09/06/2005

Extension Date: 11/15/2018

Initial C-141 Received:
Characterization Report Received:
Remediation Plan Received:

Closure Report Received:
OCD Notified of Major Release: 09/06/2005
Cancelled Date:

Characterization Report Approved:
Remediation Plan Approved:
Remediation Due:
Closure Report Approved:

Incidents Materials

Cause	Source	Material	Volume				Units
			Unk.	Spilled	Recovered	Lost	
Equipment Failure	Flow Line - Production	Produced Water	☐	30	6	24	BBL

Incident Events

Date	Detail
02/05/2007	C-141: Fibergalss high pressure line (3-inch diameter) leaking produced water at collar. Approximately 7,020 square feet of surface area was impacted by the release. Saturated soil has been excavated and stockpiled on plastic on site unitl a remediation plan is developed. Once initial excavation activities are complete, samples will be collected to delineate the lateral and vertical extents of impacts associated with this release. Upon receipt of analytical results, the remediation plan will be developed and submitted to the NMOCD for approval. The excavated soil will be transported to an approved land treatment facility or blended with clean soil and returned to the excavation.

Appendix C

Approved Variance

Mr. Nelson Velez
Environmental Specialist
EMNRD - Oil Conservation Division
1000 Rio Brazos Road
Aztec, NM 87410

Arcadis U.S., Inc.
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Suite 800
Houston
Texas 77042
Phone: 713 953 4800
Fax: 713 977 4620
www.arcadis.com

TX Engineering License # F-533
TX Geoscientist License # 50158

Date: April 5, 2023
Subject: Soil Remediation Work Plan/Variance Request
Old Indian Draw Gathering Line Northern Area
Incident# NCLB0525655219

Eddy County, New Mexico

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Mr. Velez
NMOCD
April 5, 2023

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Appendix A. **Incident # NCLB0525655219 NMOCD Database Information**
Appendix B. **Temporary Monitoring Well Boring Log**
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Mr. Velez
NMOCD
April 5, 2023

Dear Mr. Velez,

Arcadis U.S., Inc. (Arcadis) has prepared this Soil Remediation Work Plan/Variance Request on behalf of Chevron U.S.A. Inc., for soil remediation activities at the Old Indian Draw Gathering Line Northern Area (Site), located in Eddy County, New Mexico.

Background

The Site is located approximately 8-miles southeast of the City of Carlsbad in Unit Letter J, Section 18, Township 22 South, Range 28 East. Old Indian Draw Gathering Line Site is an inactive pasture location as of March 17, 2023. The Site is located on land owned by the United States Department of the Interior and administered by the Bureau of Land Management (BLM). The site location map is depicted on **Figure 1**.

On September 6, 2005, a fiberglass high pressure line (3-inch diameter) was leaking produced water at the collar. Approximately 7,020 square feet of surface area was impacted by the release. A C-141 Form was not located for this incident, but limited information pertaining to this incident was found on the New Mexico Oil Conservation Division (NMOCD) database. The release was assigned Incident Number NCLB0525655219; no remediation permit number was assigned. The information available from the NMOCD database for this release is included in **Appendix A**.

Initial Site Investigation

On June 14-15, 2021, Larson & Associates, Inc. (Larson) began assessing the release area to depths of approximately 10 feet below ground surface (bgs) at 3 locations within the release area boundaries and at 4 additional locations surrounding the release area utilizing air rotary drilling methods to evaluate the horizontal extent of the release area.

Soil samples were submitted to Eurofins/Xenco Laboratories in Midland, Texas, for analyses of chloride, benzene, toluene, ethylbenzene, and xylenes (BTEX), and total petroleum hydrocarbons (total TPH). Analytical results were reported below the applicable NMOCD regulatory limits for a site with groundwater less than 50 feet bgs for total TPH (100 milligrams per kilogram (mg/kg)); BTEX (50 mg/kg); and benzene (10 mg/kg) from all soil samples collected. Analytical results indicated chloride concentrations ranged from 9.07 mg/kg in S-10 at 0.5 feet bgs to 1,060 mg/kg in S-6 at 5 feet bgs.

Larson returned to the Site on March 10, 2022, to continue vertical delineation activities utilizing air rotary drilling methods at the previously drilled S-6 location. Soil samples collected previously from this location were reported above the NMOCD regulatory limit of 600 mg/kg for chloride at a depth of 10 feet bgs. The subsequent boring was installed to approximately 15 feet bgs. Laboratory analytical results indicated chloride concentrations were reported at 458 mg/kg in soil sample S-6 at 15 feet bgs. Vertical delineation of the release area was completed during this assessment, but additional horizontal delineation assessment activities were determined warranted.

Analytical results from the Larson assessment are depicted in **Table 1**. Soil boring locations completed by Larson are depicted on **Figure 2**.

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Mr. Velez
NMOCD
April 5, 2023

Additional Field Activities Summary

Arcadis began additional horizontal delineation assessment activities on January 31, 2023, with a stainless-steel hand auger within the affected area. During the assessment, a resilient rock layer was encountered approximately 1-foot bgs at all locations. Arcadis collected 8 soil samples (L-1 through L-8) at depths of approximately six inches bgs. Only one soil sample (L-2) from that assessment was reported above the applicable New Mexico Administration Code (NMAC) screening level for chloride at a concentration of 909 mg/kg. Sample location L-4 was field screened for chloride but was not submitted for laboratory analyses. Field screening from L-4 indicated an estimated chloride concentration of 1,140 mg/kg. Evaluation of soil data collected to date confirmed horizontal and vertical delineation of the northern release area was accomplished in conjunction with the initial Larson assessment activities.

On February 13, 2023, Arcadis oversaw installation of a temporary monitoring well (TW-2) approximately 0.1 mile east of the Site (see **Figure 2**). During the installation of the temporary monitoring well, soil samples were collected from the surface to the top of the groundwater bearing unit at 5-foot intervals to conduct field screening for chloride utilizing Hach testing strips and for volatile organic compounds (VOCs) utilizing a photoionization detector (PID). Field screening results from soil samples collected during the installation of the temporary monitoring well indicated no chloride or VOC impacts in soil from the ground surface down to the groundwater bearing unit encountered at approximately 47.5 feet bgs. No soil samples were submitted for laboratory analysis.

On February 13, 2023, the temporary monitoring well was developed utilizing Environmental Protection Agency (EPA) Standard Methods. Following development activities on the temporary monitoring well, a groundwater sample was collected and submitted to the laboratory for analysis of chloride and total dissolved solids (TDS) concentrations. Laboratory analytical results indicated chloride and TDS concentrations were below the New Mexico Environment Department Water Quality Control Commission (NMWQCC) Groundwater Standards of 250 milligrams per liter (mg/L) for chloride and 1,000 mg/L for TDS. Chloride was reported at 37.6 mg/L and TDS was reported at 328 mg/L. A copy of the Temporary Monitoring Well Boring Log is provided as **Appendix B**.

Evaluation of soil data collected to date confirm horizontal and vertical delineation of the release area were accomplished in conjunction with the initial Larson soil assessment activities, and that there is no chloride or TDS impact to groundwater proximate to the release area.

Analytical results from the subsequent Arcadis soil assessments can be found in **Table 2,** groundwater analytical results from groundwater samples collected from the temporary monitoring well can be found in **Table 3.** The soil sample locations completed by Arcadis are depicted on **Figure 2**. Laboratory analytical reports for soil and groundwater data collected are included in **Appendix C**.

Remediation Activities Summary

On March 8, 2023, Arcadis began excavation activities within the impacted area assuming the most stringent NMAC closure criteria for soil. A resilient calcrete rock layer was encountered across the release area at depths of approximately 1-foot bgs to 2.5 feet bgs. Repeated attempts to break through the resilient calcrete rock layer utilizing an excavator equipped with a trenching bucket and “rock teeth” yielded limited results.

Arcadis collected composite confirmation soil samples from the excavation area in accordance with Table I of part 19.15.29.12 NMAC. Sidewall and base composite confirmation soil samples were collected within 200 square feet sampling areas throughout the excavation area. Composite confirmation base samples were collected from the calcrete rock layer. A total of 24 composite confirmation soil samples were collected.

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- All sidewall composite confirmation soil samples were reported below the applicable NMAC screening criteria stipulated in Table I of part 19.15.29.12 for a site with depth to groundwater less than 50 feet bgs for chloride, Total TPH, BTEX, and benzene.
- 11 of the 21 base composite confirmation soil samples were reported below the applicable NMAC screening criteria for chloride. Reported chloride concentrations above the applicable NMAC screening criteria of 600 mg/kg ranged from 671 mg/kg in soil sample B-20 up to 2,210 mg/kg in soil sample B-21. No base composite confirmation soil samples were reported above the applicable NMAC screening criteria for a site with depth to groundwater less than 50 feet bgs for total TPH, BTEX, or benzene.

Five-point composite sidewall sample locations are depicted on **Figure 2**, and the five-point composite base sample locations are depicted on **Figure 3**. Current site conditions and the resilient rock layer encountered are documented in the attached **Photographic Log.** Impacted soil excavated to date has been transported to a NMOCD approved disposal facility. Waste manifests are available upon request.

Variance Request

Repeated attempts to break through the resilient calcrete rock layer utilizing an excavator equipped with a trenching bucket and “rock teeth” yielded limited results. Continued excavation activities are believed not practicable based on the site’s geologic conditions. Analytical data collected during assessment activities confirm the release area has been horizontally and vertically defined. As such, Arcadis is requesting approval of the following Variance:

- Due to the resilient calcrete rock layer encountered at shallow depths across the release area, Arcadis is requesting a variance to limit excavation activities to include only removing impacted soil affected above the NMOCD Reclamation Standards present within the release area to the maximum extent practicable (to the surface of the calcrete layer).
- Arcadis requests approval to install a geosynthetic liner atop the impacted areas exhibiting chloride concentrations above the NMOCD Closure Criteria remaining in-situ. The liner will be installed atop the resilient calcrete rock layer. This engineering control is designed to inhibit the vertical migration of chloride in soil to groundwater along with the upward migration of chloride to further support revegetation of the remediated area.
- Following installation of the geosynthetic liner, a layer of gypsum and/or a desalination product will be installed on the floor of the excavated area atop of the proposed liner. This control is designed to inhibit the upward migration of chloride remaining in-situ, protect the sodium absorption ratio (SAR) of the overlying soil and promote successful revegetation.
- Upon installing the layer of gypsum and/or the desalination product, the excavated area will be backfilled with locally sourced, non-impacted “like” material.
- The area will be reseeded during the first favorable growing season following closure of the Site.

Upon completion of the remediation and reclamation activities, a *Remediation Summary and Soil Closure Request* will be submitted to the NMOCD, containing a detailed summary of the field activities and laboratory analytical results.

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Mr. Velez
NMOCD
April 5, 2023

If you have any questions or comments with regards to this work plan and variance request, please do not hesitate to contact Scott Foord at 713.953.4853 or by e-mail at William.Foord@arcadis.com.

Sincerely,

Arcadis U.S., Inc.

Scott Foord, PG

Program Manager

Tables

Table 1
2021/2022 Soil Analytical Results
Old Indian Gathering Line Northern Area
Eddy County, New Mexico
32° 23' 34.90" North, 104° 07' 31.40" West

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Remediation Level:				**10**	**50**				**100**	**600**
S-4	1	6/15/2021	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	245
	3	6/15/2021	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	467
	5	6/15/2021	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	9.79
	10	6/15/2021	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	239
S-5	1	6/15/2021	Removed	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	194
	3	6/15/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	495
	5	6/15/2021	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	**854**
	10	6/15/2021	In-Situ	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	481
S-6	1	6/15/2021	Removed	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	286
	3	6/15/2021	In-Situ	<0.00198	<0.00397	<49.7	<49.7	<49.7	<49.7	203
	5	6/15/2021	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	**1,060**
	10	6/15/2021	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	**724**
	15	3/10/2022	In-Situ	--	--	--	--	--	--	458
S-7	1	6/15/2021	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	549
	3	6/15/2021	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	239
	5	6/15/2021	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	590
	10	6/15/2021	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	347
S-8	0.5	6/14/2021	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	24.6
S-9	0.5	6/14/2021	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	276
S-10	0.5	6/14/2021	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	9.07

Notes: Analysis performed by Xenco Laboratories (Xenco) in Midland, Texas by EPA SW-846 8021B (BTEX), 8015M (TPH), and 300E (Chloride)
Depth in feet below ground surface (bgs)
mg/Kg: milligrams per kilogram equivalent to parts per million (ppm)
<: denotes concentration less than analytical method reporting limit
Bold and Highlighted exceeds OCD remediation action limits

Chevron
Table 2
2023 Soil Analytical Results
Old Indian Draw Gathering Line Northern
Incident No NCLB0525655219
Eddy County, New Mexico

Location ID	Depth (Feet)	Date Collected	Sample Name	Soil Status	BTEX					TPH				Gen Chem
					Benzene mg/kg	Toluene mg/kg	Ethylbenzene mg/kg	Xylenes, Total mg/kg	Total BTEX mg/kg	Gasoline Range Organics (GRO)-C6-C10 mg/kg	Diesel Range Organics (Over C10-C28) mg/kg	Oil Range Organics (Over C28-C36) mg/kg	Total TPH mg/kg	Chloride, Dissolved mg/kg
NMAC Screening Limit					10	- -	- -	- -	50	- -	- -	- -	100	600
L-01	0.5	01/31/2023	L-1-S-0-6" 20230131	In-Situ	--	--	--	--	--	--	--	--	--	<4.96
L-02	0.5	01/31/2023	L-2-S-0-6" 20230131	Removed	--	--	--	--	--	--	--	--	--	**909**
L-03	0.5	01/31/2023	L-3-S-0-6" 20230131	Removed	--	--	--	--	--	--	--	--	--	12.0
L-05	0.5	01/31/2023	L-5-S-0-6" 20230131	Removed	--	--	--	--	--	--	--	--	--	204
L-06	0.5	01/31/2023	L-6-S-0-6" 20230131	In-Situ	--	--	--	--	--	--	--	--	--	57.7
L-07	0.5	01/31/2023	L-7-S-0-6" 20230131	In-Situ	--	--	--	--	--	--	--	--	--	<4.97
L-08	0.5	01/31/2023	L-8-S-0-6" 20230131	In-Situ	--	--	--	--	--	--	--	--	--	<5.00
B-01	2	03/07/2023	B-1-S-2'-20230307	In-Situ	<0.000383	<0.000453	<0.000562	<0.00100	<0.00100	23.3J	<15.0	<15.0	23.3J	133
B-02	2	03/07/2023	B-2-S-2'-20230307	In-Situ	<0.000384	<0.000455	<0.000564	<0.00101	<0.00101	<15.0	<15.0	<15.0	<15.0	97.5
B-03	2	03/07/2023	B-3-S-2'-20230307	In-Situ	0.000428J	<0.000453	<0.000562	<0.00100	<0.00100	<15.0	<15.0	<15.0	<15.0	55.9
B-04	2	03/07/2023	B-4-S-2'-20230307	In-Situ	<0.000384	<0.000455	<0.000564	<0.00101	<0.00101	19.7J	19.0J	<15.0	38.7J	444
B-05	1	03/07/2023	B-5-S-1'-2-20230307	In-Situ	<0.000387	<0.000459	<0.000568	<0.00102	<0.00102	<15.0	<15.0	<15.0	<15.0	332
B-06	1	03/07/2023	B-6-S-1'-2'-20230307	In-Situ	<0.000386	<0.000457	<0.000566	<0.00101	<0.00101	<15.0	<15.0	<15.0	<15.0	308
B-07	1	03/07/2023	B-7-S-1'-2-20230307	In-Situ	<0.000384	<0.000455	<0.000564	<0.00101	<0.00101	17.9J B	27.1J	<15.0	45.0J	**1470**
B-08	1	03/07/2023	B-8-S-1'-2-20230307	In-Situ	0.000532J	0.00151J	0.00157J	0.00669	0.0103	24.1J B	27.3J	<15.0	51.4	**1160**
B-09	1	03/07/2023	B-9-S-1'-2-20230307	In-Situ	<0.000383	<0.000453	<0.000562	<0.00100	<0.00100	24.5J B	<15.0	<15.0	24.5J	**1130**
B-10	1	03/07/2023	B-10-S-1'-20230307	In-Situ	0.000973J	0.00170J	0.00170J	0.00706	0.0114	46.6J B	<15.0	<15.0	46.6J	**1050**
B-11	1	03/07/2023	B-11-S-1'-20230307	In-Situ	<0.000386	0.000487J	<0.000566	<0.00101	0.00105J	25.7J B	16.0J	<15.0	41.7J	581
B-12	1	03/07/2023	B-12-S-1'-20230307	In-Situ	<0.000383	<0.000454	<0.000563	<0.00101	<0.00101	28.8J B	34.6J	<15.0	63.4	**1190**
B-13	1	03/07/2023	B-13-S-1'-20230307	In-Situ	<0.000383	<0.000453	<0.000562	<0.00100	<0.00100	18.9J B	<15.0	<15.0	18.9J	364
B-14	1	03/07/2023	B-14-S-1'-20230307	In-Situ	<0.000383	<0.000454	<0.000563	<0.00101	<0.00101	45.3J B	<15.0	<15.0	45.3J	**768**
B-15	1	03/07/2023	B-15-S-1'-20230307	In-Situ	<0.000383	<0.000453	<0.000562	<0.00100	<0.00100	27.0J B	<14.9	<14.9	27.0J	177
B-16	1	03/07/2023	B-16-S-1'-20230307	In-Situ	<0.000384	<0.000455	<0.000564	<0.00101	<0.00101	37.7J B	<15.0	<15.0	37.7J	575
B-17	1	03/07/2023	B-17-S-1'-20230307	In-Situ	<0.000387	<0.000458	<0.000567	<0.00101	<0.00101	<15.0	<15.0	<15.0	<15.0	393
B-18	1	03/07/2023	B-18-S-1'-20230307	In-Situ	<0.000384	<0.000455	<0.000564	<0.00101	<0.00101	34.8J B	<15.0	<15.0	34.8J	**1320F1**
B-19	1	03/07/2023	B-19-S-1'-20230307	In-Situ	0.000468J	<0.000459	<0.000568	<0.00102	<0.00102	37.9J B	<15.0	<15.0	37.9J	**1280**
B-20	1	03/07/2023	B-20-S-1'-20230307	In-Situ	<0.000389	<0.000461	<0.000571	<0.00102	<0.00102	30.9J B	19.9J	<15.0	50.8	**671**
B-21	1	03/07/2023	B-21-S-1'-20230307	In-Situ	<0.000383	<0.000454	<0.000563	<0.00101	<0.00101	24.4J B	<15.0	<15.0	24.4J	**2210**
SW-1	2	03/07/2023	SW-1-S-0-2'- 20230307	Removed	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	31.1	126	<50.0	**157**	85.5
SW-2	2	03/07/2023	SW-2-S-0-2'- 20230307	In-Situ	<0.00199	0.000708 J	<0.00199	<0.00398	<0.00398	<49.9	39.6	<49.9	39.6	135
SW-3	2	03/07/2023	SW-3-S-0-2'- 20230307	Removed	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	25.9	<49.9	<49.9	25.9	**756**
SW-3B	1	03/14/2023	SW-3B-S-0-1'-20230314	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	32.7	51.4	<50.0	84.1	77.6
SW-1B	2	03/20/2023	SW-1B-S-0-2'-20230320	In-Situ	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	38.8	19.2	<50.0	58.0	46.5

Legend:
Analytes exceedng NMAC standards are indicated in **bold** and grey
J: Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
F1: MS and/or MSD recovery exceeds control limits
'<' indicates the analyte was not detected at or above the Method Detection Limit (MDL)
mg/kg: Milligram per Kilogram
NMAC : New Mexico Administration Code
bgs: Below ground surface
SW-3B: Sample was collected from the bottom of the excavation
45.3J B: Compound was found in the blank and sample
L-shallow soil sample
SW : Sidewall sample

Notes:
1. Chloride analyzed by EPA Method 300
2. TPH analyzed by EPA Method 8015 M
3. BTEX analyzed by EPA Method 8260B
--: No individual standard

Chevron
Table 3
2023 Groundwater Analytical Results
Old Indian Draw Gathering Line Northern
Incident# NCLB0525655219
Eddy County, New Mexico

Sample ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Chloride
New Mexico Water Quality Control Commission Groundwater Standard						
		0.005[1]	1.0[1]	0.7[1]	0.62[1]	250[2]
TW-2	2/16/23	NA	NA	NA	NA	37.6

Notes:

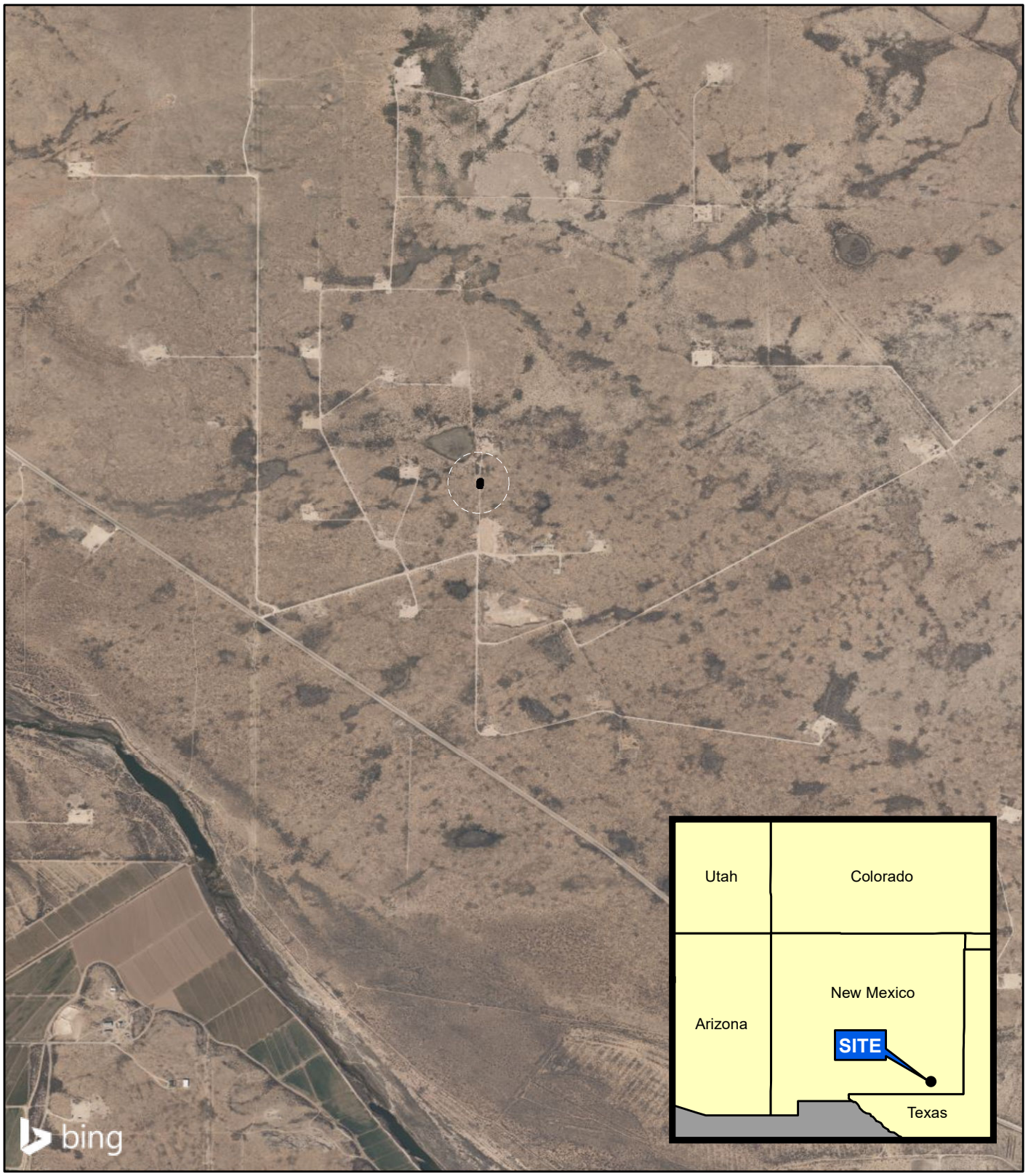
Results shown in mg/L.

[1]Human Health Standards for Groundwater.

[2]Other Standards for Domestic Water Supply.

NA = Not Analyzed

Figures



LEGEND:

Site Boundary

NOTES:
Datum: D_WGS_1984
Source: Google Earth Map
Site Location: 32.3932°, -104.1252°

0 2,000 4,000 Feet

GRAPHIC SCALE

MCBU
OLD INDIAN DRAW ~ GATHERING LINE NORTH
INCIDENT NUMBER: NCLB0525655219
EDDY COUNTY, NEW MEXICO

SITE LOCATION MAP

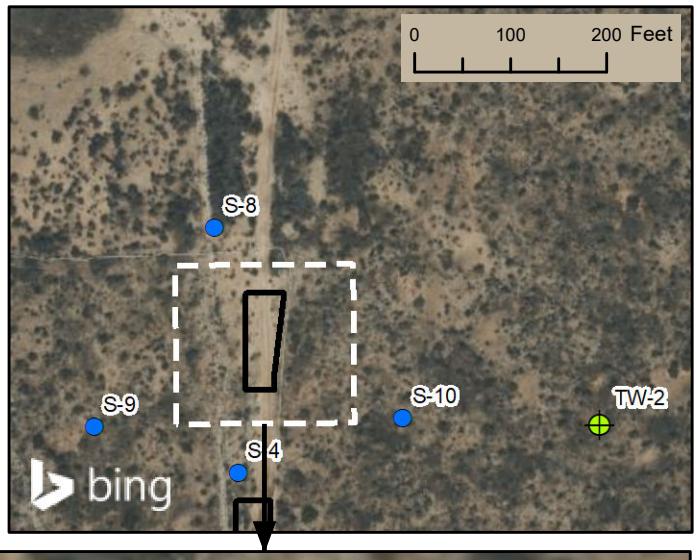
ARCADIS

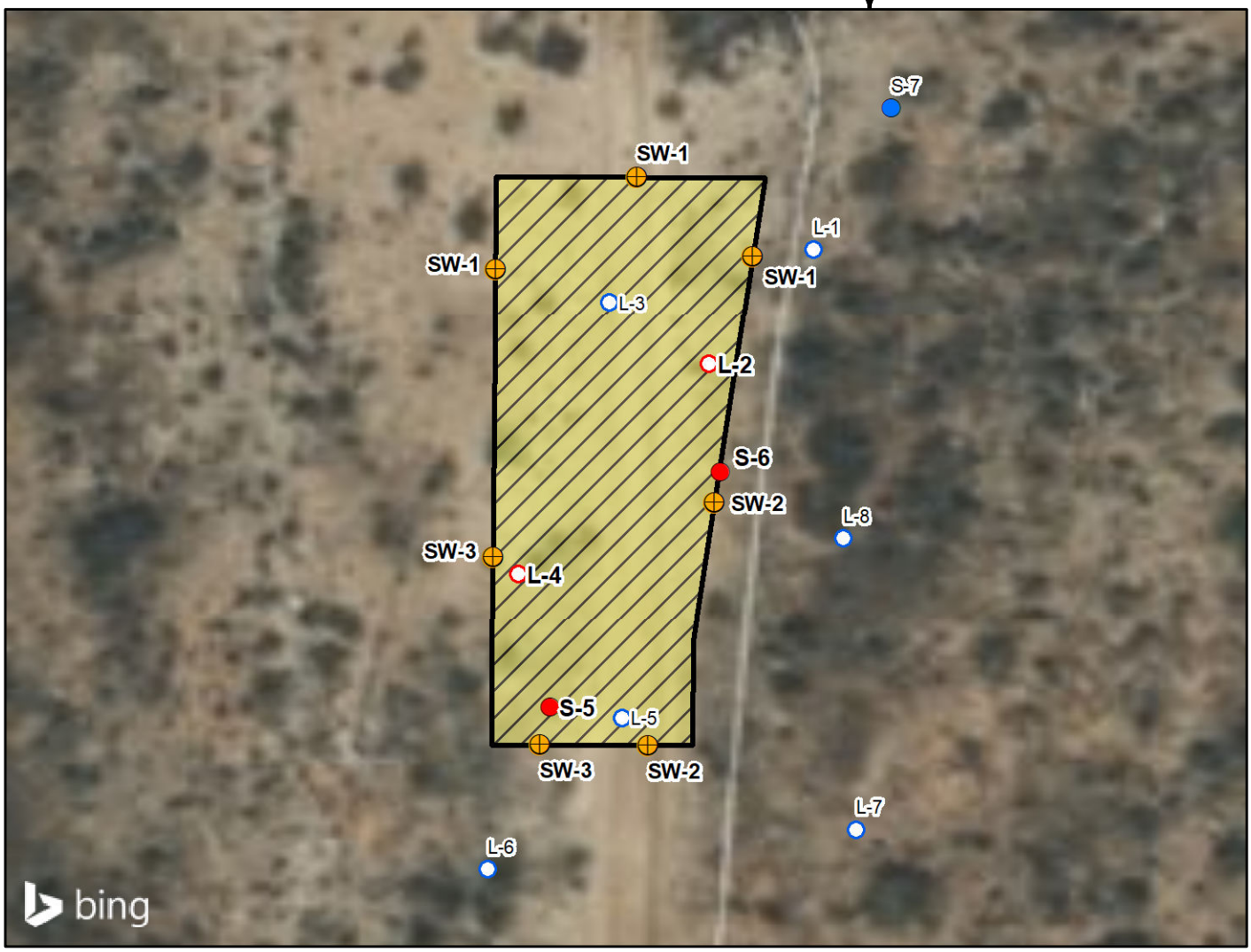
FIGURE 1

City: Houston Div/Group: Remediation West -Air Group Created By: W Berry Last Saved By: wberry ; Client (Project #)
D:_Arcadis\Land Services\Chevron\Old_Indian_Draw\GIS\MXD_Confirmation\OID GL-N_Fig1.mxd 3/15/2023 11:55:31 AM

Legend

- Sidewall Sample Location
- Excavated Area
- 2021/2022 Sample Locations (above 600 mg/kg chloride)
- 2021/2022 Sample Locations (below 600 mg/kg chloride)
- 2023 Field Screening Sample locations (above 600 mg/kg chloride)
- 2023 Sample locations (below 600 mg/kg chloride)
- Temporary Monitor Well





NOTES:
Datum: D_WGS_1984
Source: Google Earth Map
Site Location: 32.3932°, -104.1252°

0 30 60 Feet
GRAPHIC SCALE

MCBU
OLD INDIAN DRAW ~ GATHERING LINE NORTH
INCIDENT NUMBER: NCLB0525655219
EDDY COUNTY, NEW MEXICO

EXCAVATION SIDEWALL SOIL SAMPLE LOCATIONS

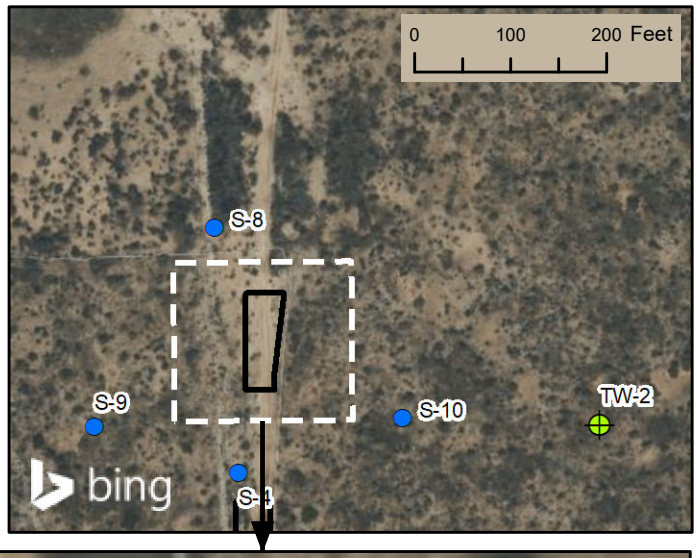
ARCADIS

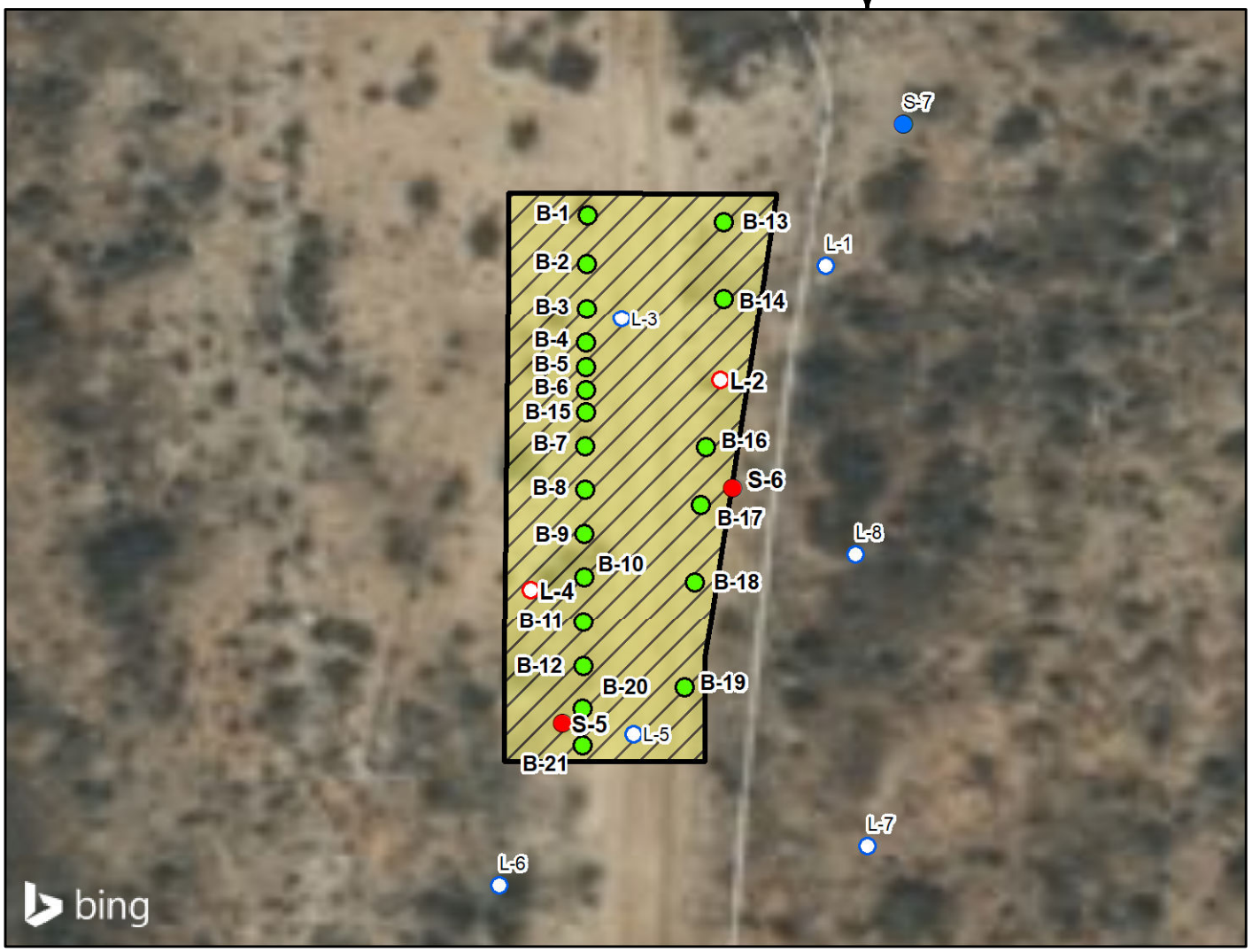
FIGURE 2

City: Houston Div/Group: Remediation West -Air Group Created By: W Berry Last Saved By: wberry ; Client (Project #) D:_Arcadis\Land Services\Chevron\Old_Indian_Draw\GIS\MXD_Confirmation\OID GL-N_Fig2.mxd 4/5/2023 4:28:00 PM

Legend

- Base Sample Location
- Excavated Area
- 2021/2022 Sample Locations (above 600 mg/kg chloride)
- 2021/2022 Sample Locations (below 600 mg/kg chloride)
- 2023 Field Screening Sample locations (above 600 mg/kg chloride)
- 2023 Sample locations (below 600 mg/kg chloride)
- Temporary Monitor Well





NOTES:
Datum: D_WGS_1984
Source: Google Earth Map
Site Location: 32.3932°, -104.1252°

0 30 60 Feet
GRAPHIC SCALE

MCBU
OLD INDIAN DRAW ~ GATHERING LINE NORTH
INCIDENT NUMBER: NCLB0525655219
EDDY COUNTY, NEW MEXICO

EXCAVATION BASE SOIL SAMPLE LOCATIONS

ARCADIS

FIGURE 3

City: Houston Div/Group: Remediation West -Air Group Created By: W Berry Last Saved By: wberry ; Client (Project #)
D:_Arcadis\Land Services\Chevron\Old_Indian_Draw\GIS\MXD_Confirmation\OID GL-N_Fig3.mxd 4/5/2023 4:27:17 PM

Photographic Log

ARCADIS

PHOTOGRAPHIC LOG

Property Name:	Location:	Case No.
Old Indian Draw Gathering Line Northern Area	Eddy County, NM	NCLB0525655219

Photo No.	Date:
1	02/23/2023

Direction Photo Taken:

Facing N

Description:

View calcrete rock layer within the release area.

ARCADIS

PHOTOGRAPHIC LOG

Property Name:	Location:	Case No.
Old Indian Draw Gathering Line Northern Area	Eddy County, NM	NCLB0525655219

Photo No.	Date:
2	02/23/2023

Direction Photo Taken:

Facing NW

Description:

Additional view of calcrete rock layer.

ARCADIS

PHOTOGRAPHIC LOG

Property Name:	Location:	Case No.
Old Indian Draw Gathering Line Northern Area	Eddy County, NM	NCLB0525655219

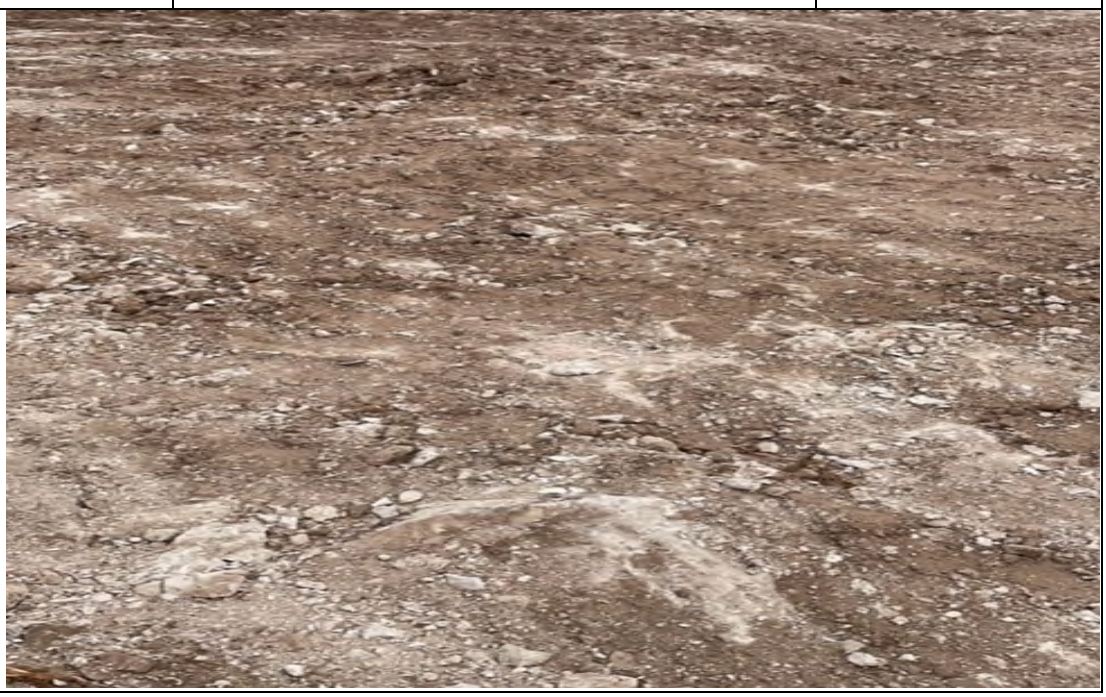
Photo No.	Date:
3	02/23/2023

Direction Photo Taken:

N

Description:

Solid rock layer in release area around 1 feet bgs.



ARCADIS

PHOTOGRAPHIC LOG

Property Name:	Location:	Case No.
Old Indian Draw Gathering Line Northern Area	Eddy County, NM	NCLB0525655219

Photo No.	Date:
4	02/23/2023

Direction Photo Taken:

N

Description:

Area excavated to solid rock layer at 1 to 2 feet bgs.

Appendix A

Incident #NCLB0525655219 NMOCD Database Information

NCLB0525655219 2005 MAJOR A OS @ FCLB0525651320

General Incident Information

Site Name:

Well:

Facility: [fCLB0525651320] Chesapeake Old Indian Draw Gaterhing Line

Operator: [147179] CHESAPEAKE OPERATING, INC.

Status: Closure Not Approved

Type: Oil Release

District: Artesia

Severity: Major

Surface Owner:

County: Eddy (15)

Incident Location: G-18-22S-28E 0 FL 0 FL

Lat/Long: 32.393027,-104.125388

Directions:

Notes

Source of Referral: Industry Rep

Resulted In Fire: ☐

Endangered Public Health: ☐

Fresh Water Contamination: ☐

Action / Escalation: Referred to Environmental Inspector

Will or Has Reached Watercourse: ☐

Property Or Environmental Damage: ☐

Contact Details

Contact Name:

Contact Title:

Event Dates

Date of Discovery: 09/06/2005

Extension Date: 11/15/2018

Initial C-141 Received:
Characterization Report Received:
Remediation Plan Received:

Closure Report Received:
OCD Notified of Major Release: 09/06/2005
Cancelled Date:

Characterization Report Approved:
Remediation Plan Approved:
Remediation Due:
Closure Report Approved:

Incidents Materials

Cause	Source	Material	Volume				Units
			Unk.	Spilled	Recovered	Lost	
Equipment Failure	Flow Line - Production	Produced Water	☐	30	6	24	BBL

Incident Events

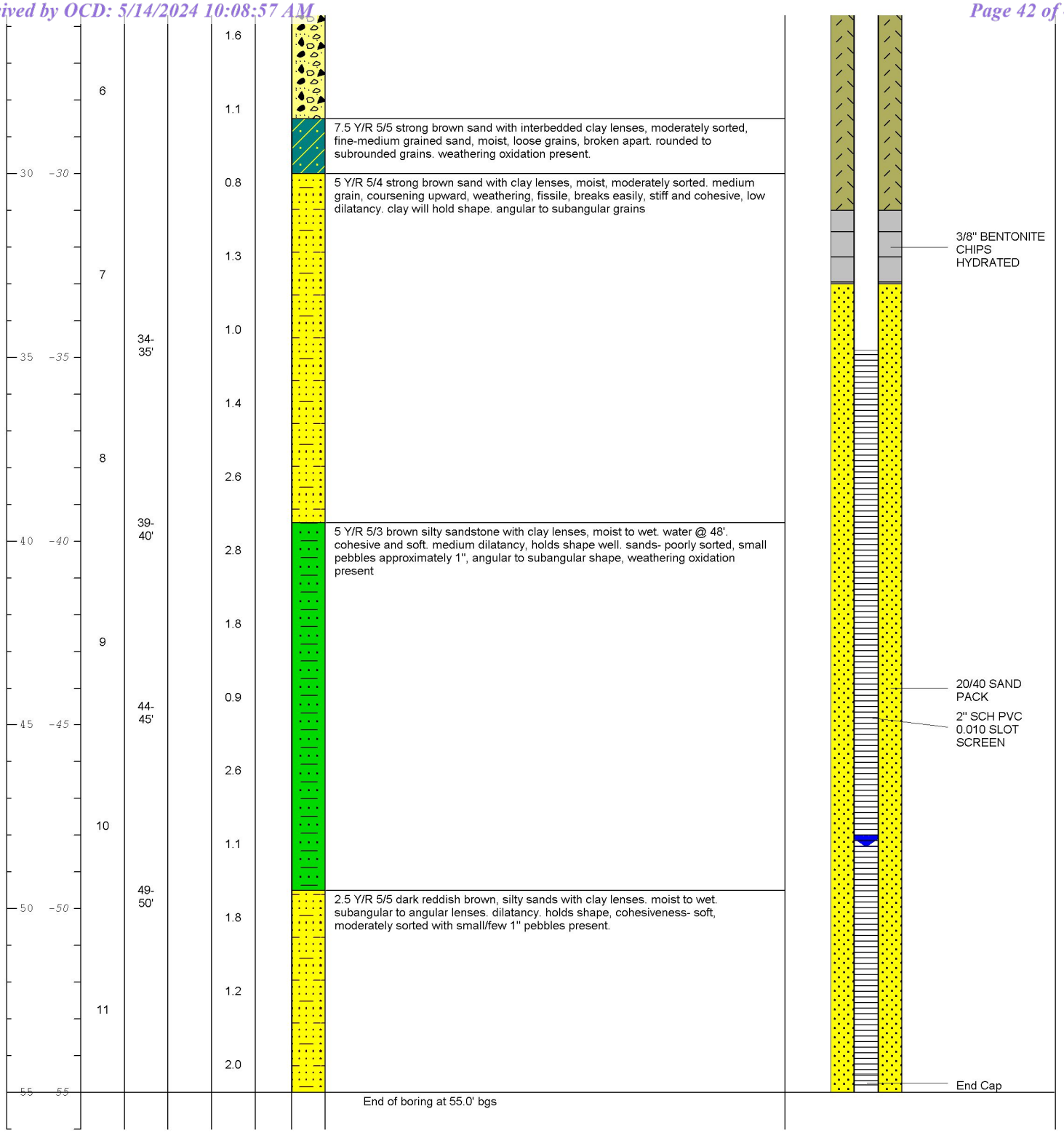
Date	Detail
02/05/2007	C-141: Fibergalss high pressure line (3-inch diameter) leaking produced water at collar. Approximately 7,020 square feet of surface area was impacted by the release. Saturated soil has been excavated and stockpiled on plastic on site unitl a remediation plan is developed. Once initial excavation activities are complete, samples will be collected to delineate the lateral and vertical extents of impacts associated with this release. Upon receipt of analytical results, the remediation plan will be developed and submitted to the NMOCD for approval. The excavated soil will be transported to an approved land treatment facility or blended with clean soil and returned to the excavation.

Appendix B

Temporary Monitoring Well Boring Log

Date Start/Finish: 2/13/2023 **Drilling Company:** White Drilling Company, Inc. **Driller's Name:** Bo Atkins **Drilling Method:** Air Rotary/ Split Spoon **Sampling Method:** Grab	**Latitude:** 32.392848 **Longitude:** -104.124242 **Casing Elevation:** NS **Borehole Depth:** 55' **Surface Elevation:** NS **Descriptions By:** Heather Dudley	**Well/Boring ID:** TW-2 **Client:** Chevron-MCBU **Location:** Old Indian Draw Unit #001 Carlsbad, New Mexico

DEPTH	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0							5 Y/R 4/4 brown top soil, sand mixture of clay and silt, very loose grained, pebbles and roots present, moist, soft-cohesive, dilatancy- will hold shape, poorly sorted, subangular shape	
0				0.0			10 Y/R 7/3 very pale brown, caliche (calcrete caliche- very thick layered) reacts to vinegar, large caliche nodules present- up to 2" wide, fissile, weakly bonded, breaks apart easily, dry, no dilateancy, non-cohesive,broke caliche-very loose grains	
	1	4-5'		0.8				
-5				1.0				
				1.2				
	2	9-10'		0.9				
-10				0.8				
				1.7				
	3	14-15'		0.6				
-15				1.7				NATURAL COLLAPSE
	4	19-20'		0.8				
-20				1.8				
	5			0.8				
				1.3				2" SCH PVC RISER
-25								



Remarks: bgs= below ground surface; TD= total depth; DTW= depth to water; ppm= parts per million; NS=not surveyed, N/A=not applicable/available, btoc= below top of casing

ARCADIS Design & Consultancy for natural and built assets

Project: 30166791 Template: LPTEMPLATE_Well_Construction_Final

Data File: Old Indian Draw Date: 2/21/2023 Created/Edited by: Trang Pham

Appendix C

Laboratory Analytical Reports

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-3089-1
Laboratory Sample Delivery Group: 21-0100-05
Client Project/Site: Old Indian Gathering

For:
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, Texas 79701

Attn: Mr. Mark J Larson

Holly Taylor

Authorized for release by:
7/8/2021 9:22:55 AM

Holly Taylor, Project Manager
(806)794-1296
holly.taylor@eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Laboratory Job ID: 880-3089-1
SDG: 21-0100-05

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Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-3089-1
Project/Site: Old Indian Gathering SDG: 21-0100-05

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Job ID: 880-3089-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-3089-1

Comments
No additional comments.

Receipt
The samples were received on 6/16/2021 9:05 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.6° C.

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: S-5 1' (880-3089-21), S-5 3' (880-3089-22), S-5 5' (880-3089-23) and S-5 10' (880-3089-24). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-4174 and analytical batch 880-4175 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Internal standard responses were outside of acceptance limits for the following samples: S-1 1' (880-3089-1), S-1 3' (880-3089-2), S-1 5' (880-3089-3), S-1 10' (880-3089-4), S-2 1' (880-3089-5), S-2 5' (880-3089-7), S-8 0.5' (880-3089-9), S-9 0.5' (880-3089-10), S-11 0.5' (880-3089-12), S-3 1' (880-3089-13), S-3 10' (880-3089-16), S-4 1' (880-3089-17), S-4 5' (880-3089-19) and S-4 10' (880-3089-20). The sample(s) shows evidence of matrix interference.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-6 1' (880-3089-25), S-6 3' (880-3089-26), S-6 5' (880-3089-27), S-6 10' (880-3089-28), S-7 1' (880-3089-29), S-7 3' (880-3089-30), S-7 (880-3089-31) and S-7 (880-3089-32). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-8 0.5' (880-3089-9), S-10 0.5' (880-3089-11), S-3 10' (880-3089-16), S-4 1' (880-3089-17), S-4 5' (880-3089-19) and S-4 10' (880-3089-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-5 1' (880-3089-21), S-5 3' (880-3089-22), S-5 5' (880-3089-23), S-5 10' (880-3089-24), S-6 1' (880-3089-25), S-6 3' (880-3089-26), S-6 5' (880-3089-27), S-6 10' (880-3089-28), S-7 1' (880-3089-29), S-7 3' (880-3089-30), S-7 (880-3089-31), S-7 (880-3089-32), (CCV 880-4167/2), (CCV 880-4167/21), (CCV 880-4167/34), (LCS 880-4165/1-A), (LCSD 880-4165/2-A), (MB 880-4165/5-A), (880-3089-A-21-A MS) and (880-3089-A-21-B MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Client Sample ID: S-1 1'

Lab Sample ID: 880-3089-1
Matrix: Solid
Date Collected: 06/14/21 13:15
Date Received: 06/16/21 09:05

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		06/16/21 10:54	06/16/21 14:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 14:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 14:45	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/16/21 10:54	06/16/21 14:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 14:45	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/16/21 10:54	06/16/21 14:45	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		06/16/21 10:54	06/16/21 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*	*06/16/21 10:54*	*06/16/21 14:45*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*06/16/21 10:54*	*06/16/21 14:45*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U F1	49.7		mg/Kg		06/16/21 14:08	06/18/21 15:55	1
Diesel Range Organics (Over C10-C28)	<49.7	U F1	49.7		mg/Kg		06/16/21 14:08	06/18/21 15:55	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/16/21 14:08	06/18/21 15:55	1
Total TPH	<49.7	U F1	49.7		mg/Kg		06/16/21 14:08	06/18/21 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*06/16/21 14:08*	*06/18/21 15:55*	*1*
o-Terphenyl	*103*		*70 - 130*	*06/16/21 14:08*	*06/18/21 15:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**511**		5.00		mg/Kg			06/17/21 16:47	1

Client Sample ID: S-1 3'

Lab Sample ID: 880-3089-2
Matrix: Solid
Date Collected: 06/14/21 13:16
Date Received: 06/16/21 09:05

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/16/21 10:54	06/16/21 15:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/16/21 10:54	06/16/21 15:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/16/21 10:54	06/16/21 15:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/16/21 10:54	06/16/21 15:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/16/21 10:54	06/16/21 15:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/16/21 10:54	06/16/21 15:06	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		06/16/21 10:54	06/16/21 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*06/16/21 10:54*	*06/16/21 15:06*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/16/21 10:54*	*06/16/21 15:06*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/16/21 14:08	06/18/21 16:34	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Client Sample ID: S-1 3'

Lab Sample ID: 880-3089-2
Matrix: Solid
Date Collected: 06/14/21 13:16
Date Received: 06/16/21 09:05

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/16/21 14:08	06/18/21 16:34	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/16/21 14:08	06/18/21 16:34	1
Total TPH	<49.9	U	49.9		mg/Kg		06/16/21 14:08	06/18/21 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*151*	*S1+*	*70 - 130*	*06/16/21 14:08*	*06/18/21 16:34*	*1*
o-Terphenyl	*140*	*S1+*	*70 - 130*	*06/16/21 14:08*	*06/18/21 16:34*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**445**		5.02		mg/Kg			06/17/21 16:53	1

Client Sample ID: S-1 5'

Lab Sample ID: 880-3089-3
Matrix: Solid
Date Collected: 06/14/21 13:17
Date Received: 06/16/21 09:05

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/16/21 10:54	06/16/21 15:26	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/16/21 10:54	06/16/21 15:26	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/16/21 10:54	06/16/21 15:26	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/16/21 10:54	06/16/21 15:26	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/16/21 10:54	06/16/21 15:26	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/16/21 10:54	06/16/21 15:26	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		06/16/21 10:54	06/16/21 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*06/16/21 10:54*	*06/16/21 15:26*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/16/21 10:54*	*06/16/21 15:26*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 16:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 16:47	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 16:47	1
Total TPH	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*144*	*S1+*	*70 - 130*	*06/16/21 14:08*	*06/18/21 16:47*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*06/16/21 14:08*	*06/18/21 16:47*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**736**		4.98		mg/Kg			06/17/21 17:09	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Client Sample ID: S-1 10'

Date Collected: 06/14/21 13:18
Date Received: 06/16/21 09:05

Lab Sample ID: 880-3089-4
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 15:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 15:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 15:47	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/16/21 10:54	06/16/21 15:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 15:47	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/16/21 10:54	06/16/21 15:47	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		06/16/21 10:54	06/16/21 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*06/16/21 10:54*	*06/16/21 15:47*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*06/16/21 10:54*	*06/16/21 15:47*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/16/21 14:08	06/18/21 17:00	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/16/21 14:08	06/18/21 17:00	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/16/21 14:08	06/18/21 17:00	1
Total TPH	<49.8	U	49.8		mg/Kg		06/16/21 14:08	06/18/21 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*152*	*S1+*	*70 - 130*	*06/16/21 14:08*	*06/18/21 17:00*	*1*
o-Terphenyl	*139*	*S1+*	*70 - 130*	*06/16/21 14:08*	*06/18/21 17:00*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**760**		5.03		mg/Kg			06/17/21 17:14	1

Client Sample ID: S-2 1'

Date Collected: 06/14/21 13:22
Date Received: 06/16/21 09:05

Lab Sample ID: 880-3089-5
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 16:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 16:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 16:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/16/21 10:54	06/16/21 16:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 16:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/16/21 10:54	06/16/21 16:32	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		06/16/21 10:54	06/16/21 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*06/16/21 10:54*	*06/16/21 16:32*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*06/16/21 10:54*	*06/16/21 16:32*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/16/21 14:08	06/18/21 17:13	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Client Sample ID: S-2 1'

Lab Sample ID: 880-3089-5
Matrix: Solid
Date Collected: 06/14/21 13:22
Date Received: 06/16/21 09:05

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/16/21 14:08	06/18/21 17:13	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/16/21 14:08	06/18/21 17:13	1
Total TPH	<49.8	U	49.8		mg/Kg		06/16/21 14:08	06/18/21 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*152*	*S1+*	*70 - 130*	*06/16/21 14:08*	*06/18/21 17:13*	*1*
o-Terphenyl	*140*	*S1+*	*70 - 130*	*06/16/21 14:08*	*06/18/21 17:13*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**911**		4.99		mg/Kg			06/17/21 17:20	1

Client Sample ID: S-2 3'

Lab Sample ID: 880-3089-6
Matrix: Solid
Date Collected: 06/14/21 13:23
Date Received: 06/16/21 09:05

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 16:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 16:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 16:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/16/21 10:54	06/16/21 16:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 16:53	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/16/21 10:54	06/16/21 16:53	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		06/16/21 10:54	06/16/21 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*06/16/21 10:54*	*06/16/21 16:53*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/16/21 10:54*	*06/16/21 16:53*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/16/21 14:08	06/18/21 17:26	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/16/21 14:08	06/18/21 17:26	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/16/21 14:08	06/18/21 17:26	1
Total TPH	<49.7	U	49.7		mg/Kg		06/16/21 14:08	06/18/21 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*06/16/21 14:08*	*06/18/21 17:26*	*1*
o-Terphenyl	*107*		*70 - 130*	*06/16/21 14:08*	*06/18/21 17:26*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1050**		5.03		mg/Kg			06/17/21 17:25	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Client Sample ID: S-2 5'

Lab Sample ID: 880-3089-7
Matrix: Solid
Date Collected: 06/14/21 13:24
Date Received: 06/16/21 09:05

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/16/21 10:54	06/16/21 17:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/16/21 10:54	06/16/21 17:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/16/21 10:54	06/16/21 17:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/16/21 10:54	06/16/21 17:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/16/21 10:54	06/16/21 17:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/16/21 10:54	06/16/21 17:13	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/16/21 10:54	06/16/21 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*06/16/21 10:54*	*06/16/21 17:13*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/16/21 10:54*	*06/16/21 17:13*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 17:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 17:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 17:39	1
Total TPH	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*06/16/21 14:08*	*06/18/21 17:39*	*1*
o-Terphenyl	*100*		*70 - 130*	*06/16/21 14:08*	*06/18/21 17:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**642**		5.04		mg/Kg			06/17/21 17:31	1

Client Sample ID: S-2 10'

Lab Sample ID: 880-3089-8
Matrix: Solid
Date Collected: 06/14/21 13:25
Date Received: 06/16/21 09:05

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 17:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 17:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 17:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/16/21 10:54	06/16/21 17:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 17:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/16/21 10:54	06/16/21 17:33	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		06/16/21 10:54	06/16/21 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*06/16/21 10:54*	*06/16/21 17:33*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/16/21 10:54*	*06/16/21 17:33*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 17:52	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Client Sample ID: S-2 10'

Lab Sample ID: 880-3089-8
Matrix: Solid
Date Collected: 06/14/21 13:25
Date Received: 06/16/21 09:05

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 17:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 17:52	1
Total TPH	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*06/16/21 14:08*	*06/18/21 17:52*	*1*
o-Terphenyl	*106*		*70 - 130*	*06/16/21 14:08*	*06/18/21 17:52*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**808**		5.02		mg/Kg			06/17/21 17:36	1

Client Sample ID: S-8 0.5'

Lab Sample ID: 880-3089-9
Matrix: Solid
Date Collected: 06/14/21 13:30
Date Received: 06/16/21 09:05

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 17:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 17:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 17:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/16/21 10:54	06/16/21 17:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 17:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/16/21 10:54	06/16/21 17:54	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		06/16/21 10:54	06/16/21 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*	*06/16/21 10:54*	*06/16/21 17:54*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*06/16/21 10:54*	*06/16/21 17:54*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/16/21 14:08	06/18/21 18:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/16/21 14:08	06/18/21 18:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/16/21 14:08	06/18/21 18:05	1
Total TPH	<49.9	U	49.9		mg/Kg		06/16/21 14:08	06/18/21 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*150*	*S1+*	*70 - 130*	*06/16/21 14:08*	*06/18/21 18:05*	*1*
o-Terphenyl	*138*	*S1+*	*70 - 130*	*06/16/21 14:08*	*06/18/21 18:05*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**24.6**		4.98		mg/Kg			06/17/21 17:41	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Client Sample ID: S-9 0.5'

Date Collected: 06/14/21 13:32
Date Received: 06/16/21 09:05

Lab Sample ID: 880-3089-10
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 18:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 18:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 18:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/16/21 10:54	06/16/21 18:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 18:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/16/21 10:54	06/16/21 18:14	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		06/16/21 10:54	06/16/21 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*06/16/21 10:54*	*06/16/21 18:14*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*06/16/21 10:54*	*06/16/21 18:14*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/16/21 14:08	06/18/21 18:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/16/21 14:08	06/18/21 18:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/16/21 14:08	06/18/21 18:18	1
Total TPH	<49.9	U	49.9		mg/Kg		06/16/21 14:08	06/18/21 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*142*	*S1+*	*70 - 130*	*06/16/21 14:08*	*06/18/21 18:18*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*06/16/21 14:08*	*06/18/21 18:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**276**	**F1**	4.99		mg/Kg			06/17/21 15:57	1

Client Sample ID: S-10 0.5'

Date Collected: 06/14/21 13:34
Date Received: 06/16/21 09:05

Lab Sample ID: 880-3089-11
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 20:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 20:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 20:04	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/16/21 10:54	06/16/21 20:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 20:04	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/16/21 10:54	06/16/21 20:04	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		06/16/21 10:54	06/16/21 20:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*	*06/16/21 10:54*	*06/16/21 20:04*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*06/16/21 10:54*	*06/16/21 20:04*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 18:44	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Client Sample ID: S-10 0.5'

Lab Sample ID: 880-3089-11
Matrix: Solid
Date Collected: 06/14/21 13:34
Date Received: 06/16/21 09:05

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 18:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 18:44	1
Total TPH	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*149*	*S1+*	*70 - 130*	*06/16/21 14:08*	*06/18/21 18:44*	*1*
o-Terphenyl	*129*		*70 - 130*	*06/16/21 14:08*	*06/18/21 18:44*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.07**		4.98		mg/Kg			06/17/21 16:11	1

Client Sample ID: S-11 0.5'

Lab Sample ID: 880-3089-12
Matrix: Solid
Date Collected: 06/14/21 13:36
Date Received: 06/16/21 09:05

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/16/21 10:54	06/16/21 20:25	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/16/21 10:54	06/16/21 20:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/16/21 10:54	06/16/21 20:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/16/21 10:54	06/16/21 20:25	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/16/21 10:54	06/16/21 20:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/16/21 10:54	06/16/21 20:25	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		06/16/21 10:54	06/16/21 20:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*06/16/21 10:54*	*06/16/21 20:25*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*06/16/21 10:54*	*06/16/21 20:25*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 18:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 18:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 18:57	1
Total TPH	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*152*	*S1+*	*70 - 130*	*06/16/21 14:08*	*06/18/21 18:57*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*06/16/21 14:08*	*06/18/21 18:57*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**217**		4.98		mg/Kg			06/17/21 16:16	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Client Sample ID: S-3 1'

Date Collected: 06/15/21 07:57
Date Received: 06/16/21 09:05

Lab Sample ID: 880-3089-13
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/16/21 10:54	06/16/21 20:45	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/16/21 10:54	06/16/21 20:45	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/16/21 10:54	06/16/21 20:45	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/16/21 10:54	06/16/21 20:45	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/16/21 10:54	06/16/21 20:45	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/16/21 10:54	06/16/21 20:45	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		06/16/21 10:54	06/16/21 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*06/16/21 10:54*	*06/16/21 20:45*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*06/16/21 10:54*	*06/16/21 20:45*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/16/21 14:08	06/18/21 19:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/16/21 14:08	06/18/21 19:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/16/21 14:08	06/18/21 19:10	1
Total TPH	<49.9	U	49.9		mg/Kg		06/16/21 14:08	06/18/21 19:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*146*	*S1+*	*70 - 130*	*06/16/21 14:08*	*06/18/21 19:10*	*1*
o-Terphenyl	*130*		*70 - 130*	*06/16/21 14:08*	*06/18/21 19:10*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**72.6**		5.00		mg/Kg			06/17/21 16:21	1

Client Sample ID: S-3 3'

Date Collected: 06/15/21 07:58
Date Received: 06/16/21 09:05

Lab Sample ID: 880-3089-14
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 21:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 21:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 21:05	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/16/21 10:54	06/16/21 21:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 21:05	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/16/21 10:54	06/16/21 21:05	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		06/16/21 10:54	06/16/21 21:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*06/16/21 10:54*	*06/16/21 21:05*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*06/16/21 10:54*	*06/16/21 21:05*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 19:23	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-3089-1
Project/Site: Old Indian Gathering SDG: 21-0100-05

Client Sample ID: S-3 3'
Lab Sample ID: 880-3089-14
Date Collected: 06/15/21 07:58 **Matrix: Solid**
Date Received: 06/16/21 09:05

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 19:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 19:23	1
Total TPH	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*06/16/21 14:08*	*06/18/21 19:23*	*1*
o-Terphenyl	*100*		*70 - 130*	*06/16/21 14:08*	*06/18/21 19:23*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**315**		5.02		mg/Kg			06/17/21 16:26	1

Client Sample ID: S-3 5'
Lab Sample ID: 880-3089-15
Date Collected: 06/15/21 07:59 **Matrix: Solid**
Date Received: 06/16/21 09:05

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 21:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 21:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 21:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/16/21 10:54	06/16/21 21:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 21:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/16/21 10:54	06/16/21 21:26	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		06/16/21 10:54	06/16/21 21:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*06/16/21 10:54*	*06/16/21 21:26*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*06/16/21 10:54*	*06/16/21 21:26*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 19:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 19:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 19:36	1
Total TPH	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*06/16/21 14:08*	*06/18/21 19:36*	*1*
o-Terphenyl	*99*		*70 - 130*	*06/16/21 14:08*	*06/18/21 19:36*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2470**		25.1		mg/Kg			06/17/21 16:41	5

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Client Sample ID: S-3 10'

Date Collected: 06/15/21 08:00
Date Received: 06/16/21 09:05

Lab Sample ID: 880-3089-16
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/16/21 10:54	06/16/21 21:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/16/21 10:54	06/16/21 21:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/16/21 10:54	06/16/21 21:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/16/21 10:54	06/16/21 21:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/16/21 10:54	06/16/21 21:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/16/21 10:54	06/16/21 21:46	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/16/21 10:54	06/16/21 21:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*144*	*S1+*	*70 - 130*	*06/16/21 10:54*	*06/16/21 21:46*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*06/16/21 10:54*	*06/16/21 21:46*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/16/21 14:08	06/18/21 19:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/16/21 14:08	06/18/21 19:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/16/21 14:08	06/18/21 19:49	1
Total TPH	<49.8	U	49.8		mg/Kg		06/16/21 14:08	06/18/21 19:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*06/16/21 14:08*	*06/18/21 19:49*	*1*
o-Terphenyl	*99*		*70 - 130*	*06/16/21 14:08*	*06/18/21 19:49*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**418**		5.04		mg/Kg			06/17/21 16:46	1

Client Sample ID: S-4 1'

Date Collected: 06/15/21 08:42
Date Received: 06/16/21 09:05

Lab Sample ID: 880-3089-17
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 22:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 22:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 22:07	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/16/21 10:54	06/16/21 22:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 22:07	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/16/21 10:54	06/16/21 22:07	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		06/16/21 10:54	06/16/21 22:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*150*	*S1+*	*70 - 130*	*06/16/21 10:54*	*06/16/21 22:07*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*06/16/21 10:54*	*06/16/21 22:07*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 20:02	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Client Sample ID: S-4 1'

Lab Sample ID: 880-3089-17
Matrix: Solid
Date Collected: 06/15/21 08:42
Date Received: 06/16/21 09:05

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 20:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 20:02	1
Total TPH	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*06/16/21 14:08*	*06/18/21 20:02*	*1*
o-Terphenyl	*87*		*70 - 130*	*06/16/21 14:08*	*06/18/21 20:02*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**245**		4.97		mg/Kg			06/17/21 16:50	1

Client Sample ID: S-4 3'

Lab Sample ID: 880-3089-18
Matrix: Solid
Date Collected: 06/15/21 08:43
Date Received: 06/16/21 09:05

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/17/21 15:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/17/21 15:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/17/21 15:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/16/21 10:54	06/17/21 15:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/17/21 15:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/16/21 10:54	06/17/21 15:24	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		06/16/21 10:54	06/17/21 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*06/16/21 10:54*	*06/17/21 15:24*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*06/16/21 10:54*	*06/17/21 15:24*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/16/21 14:08	06/18/21 20:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/16/21 14:08	06/18/21 20:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/16/21 14:08	06/18/21 20:14	1
Total TPH	<49.9	U	49.9		mg/Kg		06/16/21 14:08	06/18/21 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*06/16/21 14:08*	*06/18/21 20:14*	*1*
o-Terphenyl	*88*		*70 - 130*	*06/16/21 14:08*	*06/18/21 20:14*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**467**		4.98		mg/Kg			06/17/21 16:55	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Client Sample ID: S-4 5'

Date Collected: 06/15/21 08:44
Date Received: 06/16/21 09:05

Lab Sample ID: 880-3089-19
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 22:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 22:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 22:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/16/21 10:54	06/16/21 22:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 22:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/16/21 10:54	06/16/21 22:47	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		06/16/21 10:54	06/16/21 22:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*06/16/21 10:54*	*06/16/21 22:47*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*06/16/21 10:54*	*06/16/21 22:47*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/16/21 14:08	06/18/21 20:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/16/21 14:08	06/18/21 20:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/16/21 14:08	06/18/21 20:27	1
Total TPH	<49.9	U	49.9		mg/Kg		06/16/21 14:08	06/18/21 20:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*06/16/21 14:08*	*06/18/21 20:27*	*1*
o-Terphenyl	*84*		*70 - 130*	*06/16/21 14:08*	*06/18/21 20:27*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.79**		4.95		mg/Kg			06/17/21 17:00	1

Client Sample ID: S-4 10'

Date Collected: 06/15/21 08:45
Date Received: 06/16/21 09:05

Lab Sample ID: 880-3089-20
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/16/21 10:54	06/16/21 23:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/16/21 10:54	06/16/21 23:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/16/21 10:54	06/16/21 23:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/16/21 10:54	06/16/21 23:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/16/21 10:54	06/16/21 23:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/16/21 10:54	06/16/21 23:08	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/16/21 10:54	06/16/21 23:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*06/16/21 10:54*	*06/16/21 23:08*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*06/16/21 10:54*	*06/16/21 23:08*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/16/21 14:08	06/18/21 20:40	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Client Sample ID: S-4 10'

Date Collected: 06/15/21 08:45
Date Received: 06/16/21 09:05

Lab Sample ID: 880-3089-20
Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/16/21 14:08	06/18/21 20:40	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/16/21 14:08	06/18/21 20:40	1
Total TPH	<49.8	U	49.8		mg/Kg		06/16/21 14:08	06/18/21 20:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*06/16/21 14:08*	*06/18/21 20:40*	*1*
o-Terphenyl	*101*		*70 - 130*	*06/16/21 14:08*	*06/18/21 20:40*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**239**	**F1**	5.04		mg/Kg			06/17/21 17:05	1

Client Sample ID: S-5 1'

Date Collected: 06/15/21 09:27
Date Received: 06/16/21 09:05

Lab Sample ID: 880-3089-21
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		06/16/21 10:06	06/16/21 14:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:06	06/16/21 14:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:06	06/16/21 14:02	1
m-Xylene & p-Xylene	<0.00399	U F1	0.00399		mg/Kg		06/16/21 10:06	06/16/21 14:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:06	06/16/21 14:02	1
Xylenes, Total	<0.00399	U F1	0.00399		mg/Kg		06/16/21 10:06	06/16/21 14:02	1
Total BTEX	<0.00399	U F1	0.00399		mg/Kg		06/16/21 10:06	06/16/21 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*06/16/21 10:06*	*06/16/21 14:02*	*1*
1,4-Difluorobenzene (Surr)	*124*		*70 - 130*	*06/16/21 10:06*	*06/16/21 14:02*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/18/21 10:16	06/18/21 19:19	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/18/21 10:16	06/18/21 19:19	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/18/21 10:16	06/18/21 19:19	1
Total TPH	<49.7	U	49.7		mg/Kg		06/18/21 10:16	06/18/21 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*06/18/21 10:16*	*06/18/21 19:19*	*1*
o-Terphenyl	*77*		*70 - 130*	*06/18/21 10:16*	*06/18/21 19:19*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**194**		5.02		mg/Kg			06/17/21 17:20	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Client Sample ID: S-5 3'

Lab Sample ID: 880-3089-22
Matrix: Solid
Date Collected: 06/15/21 09:28
Date Received: 06/16/21 09:05

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/16/21 10:06	06/16/21 14:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/16/21 10:06	06/16/21 14:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/16/21 10:06	06/16/21 14:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/16/21 10:06	06/16/21 14:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/16/21 10:06	06/16/21 14:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/16/21 10:06	06/16/21 14:23	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/16/21 10:06	06/16/21 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*06/16/21 10:06*	*06/16/21 14:23*	*1*
1,4-Difluorobenzene (Surr)	*127*		*70 - 130*	*06/16/21 10:06*	*06/16/21 14:23*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/18/21 10:16	06/18/21 20:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/18/21 10:16	06/18/21 20:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/18/21 10:16	06/18/21 20:22	1
Total TPH	<49.9	U	49.9		mg/Kg		06/18/21 10:16	06/18/21 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*06/18/21 10:16*	*06/18/21 20:22*	*1*
o-Terphenyl	*79*		*70 - 130*	*06/18/21 10:16*	*06/18/21 20:22*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**495**		5.01		mg/Kg			06/17/21 17:25	1

Client Sample ID: S-5 5'

Lab Sample ID: 880-3089-23
Matrix: Solid
Date Collected: 06/15/21 09:29
Date Received: 06/16/21 09:05

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/16/21 10:06	06/16/21 14:44	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/16/21 10:06	06/16/21 14:44	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/16/21 10:06	06/16/21 14:44	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/16/21 10:06	06/16/21 14:44	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/16/21 10:06	06/16/21 14:44	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/16/21 10:06	06/16/21 14:44	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		06/16/21 10:06	06/16/21 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*06/16/21 10:06*	*06/16/21 14:44*	*1*
1,4-Difluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*06/16/21 10:06*	*06/16/21 14:44*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/18/21 10:16	06/18/21 20:43	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Client Sample ID: S-5 5'

Lab Sample ID: 880-3089-23
Matrix: Solid
Date Collected: 06/15/21 09:29
Date Received: 06/16/21 09:05

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/18/21 10:16	06/18/21 20:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/18/21 10:16	06/18/21 20:43	1
Total TPH	<50.0	U	50.0		mg/Kg		06/18/21 10:16	06/18/21 20:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*06/18/21 10:16*	*06/18/21 20:43*	*1*
o-Terphenyl	*83*		*70 - 130*	*06/18/21 10:16*	*06/18/21 20:43*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**854**		5.04		mg/Kg			06/17/21 17:39	1

Client Sample ID: S-5 10'

Lab Sample ID: 880-3089-24
Matrix: Solid
Date Collected: 06/15/21 09:30
Date Received: 06/16/21 09:05

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:06	06/16/21 15:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:06	06/16/21 15:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:06	06/16/21 15:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/16/21 10:06	06/16/21 15:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:06	06/16/21 15:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/16/21 10:06	06/16/21 15:04	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		06/16/21 10:06	06/16/21 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*06/16/21 10:06*	*06/16/21 15:04*	*1*
1,4-Difluorobenzene (Surr)	*128*		*70 - 130*	*06/16/21 10:06*	*06/16/21 15:04*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/18/21 10:16	06/18/21 21:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/18/21 10:16	06/18/21 21:03	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/18/21 10:16	06/18/21 21:03	1
Total TPH	<49.8	U	49.8		mg/Kg		06/18/21 10:16	06/18/21 21:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*06/18/21 10:16*	*06/18/21 21:03*	*1*
o-Terphenyl	*88*		*70 - 130*	*06/18/21 10:16*	*06/18/21 21:03*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**481**		4.99		mg/Kg			06/17/21 17:44	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Client Sample ID: S-6 1'

Date Collected: 06/15/21 10:12
Date Received: 06/16/21 09:05

Lab Sample ID: 880-3089-25
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:06	06/16/21 15:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:06	06/16/21 15:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:06	06/16/21 15:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/16/21 10:06	06/16/21 15:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:06	06/16/21 15:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/16/21 10:06	06/16/21 15:25	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		06/16/21 10:06	06/16/21 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*06/16/21 10:06*	*06/16/21 15:25*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*06/16/21 10:06*	*06/16/21 15:25*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/18/21 10:16	06/18/21 21:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/18/21 10:16	06/18/21 21:24	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/18/21 10:16	06/18/21 21:24	1
Total TPH	<49.8	U	49.8		mg/Kg		06/18/21 10:16	06/18/21 21:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*06/18/21 10:16*	*06/18/21 21:24*	*1*
o-Terphenyl	*74*		*70 - 130*	*06/18/21 10:16*	*06/18/21 21:24*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**286**		5.00		mg/Kg			06/17/21 17:49	1

Client Sample ID: S-6 3'

Date Collected: 06/15/21 10:13
Date Received: 06/16/21 09:05

Lab Sample ID: 880-3089-26
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/16/21 10:06	06/16/21 16:32	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/16/21 10:06	06/16/21 16:32	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/16/21 10:06	06/16/21 16:32	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/16/21 10:06	06/16/21 16:32	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/16/21 10:06	06/16/21 16:32	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/16/21 10:06	06/16/21 16:32	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		06/16/21 10:06	06/16/21 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*06/16/21 10:06*	*06/16/21 16:32*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*	*06/16/21 10:06*	*06/16/21 16:32*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/18/21 10:16	06/18/21 21:45	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Client Sample ID: S-6 3'

Lab Sample ID: 880-3089-26
Matrix: Solid
Date Collected: 06/15/21 10:13
Date Received: 06/16/21 09:05

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/18/21 10:16	06/18/21 21:45	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/18/21 10:16	06/18/21 21:45	1
Total TPH	<49.7	U	49.7		mg/Kg		06/18/21 10:16	06/18/21 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*06/18/21 10:16*	*06/18/21 21:45*	*1*
o-Terphenyl	*78*		*70 - 130*	*06/18/21 10:16*	*06/18/21 21:45*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**203**		4.95		mg/Kg			06/17/21 17:54	1

Client Sample ID: S-6 5'

Lab Sample ID: 880-3089-27
Matrix: Solid
Date Collected: 06/15/21 10:14
Date Received: 06/16/21 09:05

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/16/21 10:06	06/16/21 16:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/16/21 10:06	06/16/21 16:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/16/21 10:06	06/16/21 16:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/16/21 10:06	06/16/21 16:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/16/21 10:06	06/16/21 16:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/16/21 10:06	06/16/21 16:52	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/16/21 10:06	06/16/21 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*06/16/21 10:06*	*06/16/21 16:52*	*1*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*	*06/16/21 10:06*	*06/16/21 16:52*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/18/21 10:16	06/18/21 22:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/18/21 10:16	06/18/21 22:06	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/18/21 10:16	06/18/21 22:06	1
Total TPH	<50.0	U	50.0		mg/Kg		06/18/21 10:16	06/18/21 22:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*06/18/21 10:16*	*06/18/21 22:06*	*1*
o-Terphenyl	*69*	*S1-*	*70 - 130*	*06/18/21 10:16*	*06/18/21 22:06*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1060**		4.99		mg/Kg			06/17/21 17:59	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Client Sample ID: S-6 10'

Lab Sample ID: 880-3089-28
Matrix: Solid
Date Collected: 06/15/21 10:15
Date Received: 06/16/21 09:05

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/16/21 10:06	06/16/21 17:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/16/21 10:06	06/16/21 17:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/16/21 10:06	06/16/21 17:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/16/21 10:06	06/16/21 17:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/16/21 10:06	06/16/21 17:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/16/21 10:06	06/16/21 17:13	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/16/21 10:06	06/16/21 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*06/16/21 10:06*	*06/16/21 17:13*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*06/16/21 10:06*	*06/16/21 17:13*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/18/21 10:16	06/18/21 22:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/18/21 10:16	06/18/21 22:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/18/21 10:16	06/18/21 22:27	1
Total TPH	<50.0	U	50.0		mg/Kg		06/18/21 10:16	06/18/21 22:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*06/18/21 10:16*	*06/18/21 22:27*	*1*
o-Terphenyl	*82*		*70 - 130*	*06/18/21 10:16*	*06/18/21 22:27*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**724**		5.04		mg/Kg			06/17/21 18:04	1

Client Sample ID: S-7 1'

Lab Sample ID: 880-3089-29
Matrix: Solid
Date Collected: 06/15/21 10:42
Date Received: 06/16/21 09:05

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/16/21 10:06	06/16/21 17:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/16/21 10:06	06/16/21 17:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/16/21 10:06	06/16/21 17:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/16/21 10:06	06/16/21 17:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/16/21 10:06	06/16/21 17:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/16/21 10:06	06/16/21 17:34	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/16/21 10:06	06/16/21 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*06/16/21 10:06*	*06/16/21 17:34*	*1*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*	*06/16/21 10:06*	*06/16/21 17:34*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/16/21 13:46	06/20/21 16:28	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Client Sample ID: S-7 1'

Lab Sample ID: 880-3089-29
Matrix: Solid
Date Collected: 06/15/21 10:42
Date Received: 06/16/21 09:05

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/21 13:46	06/20/21 16:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/21 13:46	06/20/21 16:28	1
Total TPH	<50.0	U	50.0		mg/Kg		06/16/21 13:46	06/20/21 16:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*06/16/21 13:46*	*06/20/21 16:28*	*1*
o-Terphenyl	*75*		*70 - 130*	*06/16/21 13:46*	*06/20/21 16:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**549**		5.05		mg/Kg			06/17/21 18:09	1

Client Sample ID: S-7 3'

Lab Sample ID: 880-3089-30
Matrix: Solid
Date Collected: 06/15/21 10:43
Date Received: 06/16/21 09:05

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/16/21 10:06	06/16/21 17:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/16/21 10:06	06/16/21 17:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/16/21 10:06	06/16/21 17:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/16/21 10:06	06/16/21 17:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/16/21 10:06	06/16/21 17:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/16/21 10:06	06/16/21 17:54	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/16/21 10:06	06/16/21 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*06/16/21 10:06*	*06/16/21 17:54*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*06/16/21 10:06*	*06/16/21 17:54*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/16/21 13:46	06/20/21 16:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/16/21 13:46	06/20/21 16:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/16/21 13:46	06/20/21 16:49	1
Total TPH	<49.8	U	49.8		mg/Kg		06/16/21 13:46	06/20/21 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*06/16/21 13:46*	*06/20/21 16:49*	*1*
o-Terphenyl	*69*	*S1-*	*70 - 130*	*06/16/21 13:46*	*06/20/21 16:49*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**239**		4.95		mg/Kg			06/17/21 22:29	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Client Sample ID: S-7

Date Collected: 06/15/21 10:44
Date Received: 06/16/21 09:05

Lab Sample ID: 880-3089-31
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/16/21 10:06	06/16/21 19:17	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/16/21 10:06	06/16/21 19:17	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/16/21 10:06	06/16/21 19:17	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/16/21 10:06	06/16/21 19:17	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/16/21 10:06	06/16/21 19:17	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/16/21 10:06	06/16/21 19:17	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		06/16/21 10:06	06/16/21 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*06/16/21 10:06*	*06/16/21 19:17*	*1*
1,4-Difluorobenzene (Surr)	*127*		*70 - 130*	*06/16/21 10:06*	*06/16/21 19:17*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/16/21 13:46	06/20/21 17:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/21 13:46	06/20/21 17:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/21 13:46	06/20/21 17:11	1
Total TPH	<50.0	U	50.0		mg/Kg		06/16/21 13:46	06/20/21 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*06/16/21 13:46*	*06/20/21 17:11*	*1*
o-Terphenyl	*74*		*70 - 130*	*06/16/21 13:46*	*06/20/21 17:11*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**590**		5.00		mg/Kg			06/17/21 22:44	1

Client Sample ID: S-7

Date Collected: 06/15/21 10:45
Date Received: 06/16/21 09:05

Lab Sample ID: 880-3089-32
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:06	06/16/21 19:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:06	06/16/21 19:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:06	06/16/21 19:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/16/21 10:06	06/16/21 19:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:06	06/16/21 19:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/16/21 10:06	06/16/21 19:38	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		06/16/21 10:06	06/16/21 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*06/16/21 10:06*	*06/16/21 19:38*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*06/16/21 10:06*	*06/16/21 19:38*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/16/21 13:46	06/20/21 17:33	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Client Sample ID: S-7
Date Collected: 06/15/21 10:45
Date Received: 06/16/21 09:05

Lab Sample ID: 880-3089-32
Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/16/21 13:46	06/20/21 17:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/16/21 13:46	06/20/21 17:33	1
Total TPH	<49.9	U	49.9		mg/Kg		06/16/21 13:46	06/20/21 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*06/16/21 13:46*	*06/20/21 17:33*	*1*
o-Terphenyl	*79*		*70 - 130*	*06/16/21 13:46*	*06/20/21 17:33*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**347**		5.05		mg/Kg			06/17/21 22:49	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-3089-1	S-1 1'	140 S1+	90
880-3089-2	S-1 3'	125	100
880-3089-3	S-1 5'	127	99
880-3089-4	S-1 10'	123	97
880-3089-5	S-2 1'	126	94
880-3089-6	S-2 3'	118	100
880-3089-7	S-2 5'	126	100
880-3089-8	S-2 10'	118	100
880-3089-9	S-8 0.5'	139 S1+	87
880-3089-10	S-9 0.5'	130	93
880-3089-11	S-10 0.5'	140 S1+	89
880-3089-12	S-11 0.5'	123	93
880-3089-13	S-3 1'	129	93
880-3089-14	S-3 3'	121	103
880-3089-15	S-3 5'	121	98
880-3089-16	S-3 10'	144 S1+	86
880-3089-17	S-4 1'	150 S1+	87
880-3089-18	S-4 3'	119	96
880-3089-18 MS	S-4 3'	116	99
880-3089-18 MSD	S-4 3'	141 S1+	87
880-3089-19	S-4 5'	134 S1+	97
880-3089-20	S-4 10'	131 S1+	95
880-3089-21	S-5 1'	101	124
880-3089-21 MS	S-5 1'	115	134 S1+
880-3089-21 MSD	S-5 1'	99	123
880-3089-22	S-5 3'	103	127
880-3089-23	S-5 5'	107	131 S1+
880-3089-24	S-5 10'	102	128
880-3089-25	S-6 1'	101	115
880-3089-26	S-6 3'	105	120
880-3089-27	S-6 5'	99	122
880-3089-28	S-6 10'	106	115
880-3089-29	S-7 1'	98	119
880-3089-30	S-7 3'	101	107
880-3089-31	S-7	98	127
880-3089-32	S-7	108	115
LCS 880-4165/1-A	Lab Control Sample	88	98
LCS 880-4174/1-A	Lab Control Sample	104	99
LCSD 880-4165/2-A	Lab Control Sample Dup	101	119
LCSD 880-4174/2-A	Lab Control Sample Dup	109	95
MB 880-4165/5-A	Method Blank	103	88
MB 880-4174/5-A	Method Blank	108	96

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-3089-1
Project/Site: Old Indian Gathering SDG: 21-0100-05

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)										
880-3089-1	S-1 1'	98	103										
880-3089-1 MS	S-1 1'	141 S1+	131 S1+										
880-3089-1 MSD	S-1 1'	150 S1+	140 S1+										
880-3089-2	S-1 3'	151 S1+	140 S1+										
880-3089-3	S-1 5'	144 S1+	133 S1+										
880-3089-4	S-1 10'	152 S1+	139 S1+										
880-3089-5	S-2 1'	152 S1+	140 S1+										
880-3089-6	S-2 3'	123	107										
880-3089-7	S-2 5'	112	100										
880-3089-8	S-2 10'	118	106										
880-3089-9	S-8 0.5'	150 S1+	138 S1+										
880-3089-10	S-9 0.5'	142 S1+	132 S1+										
880-3089-11	S-10 0.5'	149 S1+	129										
880-3089-12	S-11 0.5'	152 S1+	132 S1+										
880-3089-13	S-3 1'	146 S1+	130										
880-3089-14	S-3 3'	106	100										
880-3089-15	S-3 5'	101	99										
880-3089-16	S-3 10'	104	99										
880-3089-17	S-4 1'	92	87										
880-3089-18	S-4 3'	94	88										
880-3089-19	S-4 5'	85	84										
880-3089-20	S-4 10'	110	101										
880-3089-21	S-5 1'	84	77										
880-3089-21 MS	S-5 1'	88	78										
880-3089-21 MSD	S-5 1'	89	77										
880-3089-22	S-5 3'	83	79										
880-3089-23	S-5 5'	83	83										
880-3089-24	S-5 10'	89	88										
880-3089-25	S-6 1'	76	74										
880-3089-26	S-6 3'	79	78										
880-3089-27	S-6 5'	71	69 S1-										
880-3089-28	S-6 10'	82	82										
880-3089-29	S-7 1'	84	75										
880-3089-30	S-7 3'	81	69 S1-										
880-3089-31	S-7	85	74										
880-3089-32	S-7	89	79										
890-806-A-1-D MS	Matrix Spike	81	64 S1-										
890-806-A-1-E MSD	Matrix Spike Duplicate	84	69 S1-										
LCS 880-4196/2-A	Lab Control Sample	89	74										
LCS 880-4198/2-A	Lab Control Sample	95	104										
LCS 880-4287/2-A	Lab Control Sample	84	77										
LCSD 880-4196/3-A	Lab Control Sample Dup	105	88										
LCSD 880-4198/3-A	Lab Control Sample Dup	96	106										
LCSD 880-4287/3-A	Lab Control Sample Dup	85	77										
MB 880-4196/1-A	Method Blank	91	84										
MB 880-4198/1-A	Method Blank	93	104										
MB 880-4287/1-A	Method Blank	88	87										

Surrogate Legend

1CO = 1-Chlorooctane

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

OTPH = o-Terphenyl

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-4165/5-A
Matrix: Solid
Analysis Batch: 4167

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4165

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:06	06/16/21 13:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:06	06/16/21 13:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:06	06/16/21 13:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/16/21 10:06	06/16/21 13:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:06	06/16/21 13:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/16/21 10:06	06/16/21 13:41	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		06/16/21 10:06	06/16/21 13:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*06/16/21 10:06*	*06/16/21 13:41*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*06/16/21 10:06*	*06/16/21 13:41*	*1*

Lab Sample ID: LCS 880-4165/1-A
Matrix: Solid
Analysis Batch: 4167

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4165

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.09055		mg/Kg		91	70 - 130		
Toluene			0.100	0.09082		mg/Kg		91	70 - 130		
Ethylbenzene			0.100	0.09331		mg/Kg		93	70 - 130		
m-Xylene & p-Xylene			0.200	0.1795		mg/Kg		90	70 - 130		
o-Xylene			0.100	0.08715		mg/Kg		87	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 880-4165/2-A
Matrix: Solid
Analysis Batch: 4167

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4165

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09262		mg/Kg		93	70 - 130	2	35
Toluene			0.100	0.09632		mg/Kg		96	70 - 130	6	35
Ethylbenzene			0.100	0.09615		mg/Kg		96	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.1988		mg/Kg		99	70 - 130	10	35
o-Xylene			0.100	0.09534		mg/Kg		95	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*

Lab Sample ID: 880-3089-21 MS
Matrix: Solid
Analysis Batch: 4167

Client Sample ID: S-5 1'
Prep Type: Total/NA
Prep Batch: 4165

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00200	U F1	0.100	0.07165		mg/Kg		70	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-3089-21 MS
Matrix: Solid
Analysis Batch: 4167

Client Sample ID: S-5 1'
Prep Type: Total/NA
Prep Batch: 4165

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	<0.00200	U	0.100	0.07864		mg/Kg		78	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.07391		mg/Kg		74	70 - 130
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.1603		mg/Kg		80	70 - 130
o-Xylene	<0.00200	U	0.100	0.07597		mg/Kg		76	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*134*	*S1+*	*70 - 130*

Lab Sample ID: 880-3089-21 MSD
Matrix: Solid
Analysis Batch: 4167

Client Sample ID: S-5 1'
Prep Type: Total/NA
Prep Batch: 4165

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.0998	0.06610	F1	mg/Kg		65	70 - 130	8	35
Toluene	<0.00200	U	0.0998	0.07106		mg/Kg		71	70 - 130	10	35
Ethylbenzene	<0.00200	U	0.0998	0.07145		mg/Kg		72	70 - 130	3	35
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.1335	F1	mg/Kg		67	70 - 130	18	35
o-Xylene	<0.00200	U	0.0998	0.07099		mg/Kg		71	70 - 130	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*123*		*70 - 130*

Lab Sample ID: MB 880-4174/5-A
Matrix: Solid
Analysis Batch: 4175

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4174

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 14:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 14:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 14:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/16/21 10:54	06/16/21 14:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/21 10:54	06/16/21 14:16	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/16/21 10:54	06/16/21 14:16	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		06/16/21 10:54	06/16/21 14:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*06/16/21 10:54*	*06/16/21 14:16*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*06/16/21 10:54*	*06/16/21 14:16*	*1*

Lab Sample ID: LCS 880-4174/1-A
Matrix: Solid
Analysis Batch: 4175

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4174

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene			0.100	0.09630		mg/Kg		96	70 - 130
Toluene			0.100	0.1072		mg/Kg		107	70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-4174/1-A
Matrix: Solid
Analysis Batch: 4175

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4174

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ethylbenzene			0.100	0.1118		mg/Kg		112	70 - 130		
m-Xylene & p-Xylene			0.200	0.2266		mg/Kg		113	70 - 130		
o-Xylene			0.100	0.1132		mg/Kg		113	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 880-4174/2-A
Matrix: Solid
Analysis Batch: 4175

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4174

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09716		mg/Kg		97	70 - 130	1	35
Toluene			0.100	0.1127		mg/Kg		113	70 - 130	5	35
Ethylbenzene			0.100	0.1190		mg/Kg		119	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.2418		mg/Kg		121	70 - 130	7	35
o-Xylene			0.100	0.1207		mg/Kg		121	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 880-3089-18 MS
Matrix: Solid
Analysis Batch: 4175

Client Sample ID: S-4 3'
Prep Type: Total/NA
Prep Batch: 4174

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00200	U F1	0.0998	0.07796		mg/Kg		78	70 - 130		
Toluene	<0.00200	U	0.0998	0.08674		mg/Kg		87	70 - 130		
Ethylbenzene	<0.00200	U	0.0998	0.08893		mg/Kg		89	70 - 130		
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1839		mg/Kg		92	70 - 130		
o-Xylene	<0.00200	U	0.0998	0.09330		mg/Kg		93	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 880-3089-18 MSD
Matrix: Solid
Analysis Batch: 4175

Client Sample ID: S-4 3'
Prep Type: Total/NA
Prep Batch: 4174

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.0996	0.05885	F1	mg/Kg		59	70 - 130	28	35
Toluene	<0.00200	U	0.0996	0.08381		mg/Kg		84	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.0996	0.09889		mg/Kg		99	70 - 130	11	35
m-Xylene & p-Xylene	<0.00401	U	0.199	0.2091		mg/Kg		105	70 - 130	13	35
o-Xylene	<0.00200	U	0.0996	0.1052		mg/Kg		106	70 - 130	12	35

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-4196/1-A
Matrix: Solid
Analysis Batch: 4362

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4196

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/16/21 13:46	06/20/21 12:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/21 13:46	06/20/21 12:32	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/21 13:46	06/20/21 12:32	1
Total TPH	<50.0	U	50.0		mg/Kg		06/16/21 13:46	06/20/21 12:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	06/16/21 13:46	06/20/21 12:32	1
o-Terphenyl	84		70 - 130	06/16/21 13:46	06/20/21 12:32	1

Lab Sample ID: LCS 880-4196/2-A
Matrix: Solid
Analysis Batch: 4362

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4196

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	889.5		mg/Kg		89	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	845.6		mg/Kg		85	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	74		70 - 130

Lab Sample ID: LCSD 880-4196/3-A
Matrix: Solid
Analysis Batch: 4362

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4196

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1049		mg/Kg		105	70 - 130	16	20
Diesel Range Organics (Over C10-C28)			1000	1011		mg/Kg		101	70 - 130	18	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	88		70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-806-A-1-D MS
Matrix: Solid
Analysis Batch: 4362

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 4196

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	999	898.6		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	<49.7	U	999	799.3		mg/Kg		80	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*81*		*70 - 130*
o-Terphenyl	*64*	*S1-*	*70 - 130*

Lab Sample ID: 890-806-A-1-E MSD
Matrix: Solid
Analysis Batch: 4362

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 4196

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	997	910.2		mg/Kg		89	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.7	U	997	863.9		mg/Kg		87	70 - 130	8	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*84*		*70 - 130*
o-Terphenyl	*69*	*S1-*	*70 - 130*

Lab Sample ID: MB 880-4198/1-A
Matrix: Solid
Analysis Batch: 4283

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4198

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 15:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 15:14	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 15:14	1
Total TPH	<50.0	U	50.0		mg/Kg		06/16/21 14:08	06/18/21 15:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*06/16/21 14:08*	*06/18/21 15:14*	*1*
o-Terphenyl	*104*		*70 - 130*	*06/16/21 14:08*	*06/18/21 15:14*	*1*

Lab Sample ID: LCS 880-4198/2-A
Matrix: Solid
Analysis Batch: 4283

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4198

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	861.9		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1065		mg/Kg		106	70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-4198/2-A
Matrix: Solid
Analysis Batch: 4283

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4198

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: LCSD 880-4198/3-A
Matrix: Solid
Analysis Batch: 4283

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4198

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	885.3		mg/Kg		89	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	1076		mg/Kg		108	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	106		70 - 130

Lab Sample ID: 880-3089-1 MS
Matrix: Solid
Analysis Batch: 4283

Client Sample ID: S-1 1'
Prep Type: Total/NA
Prep Batch: 4198

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.7	U F1	999	1351	F1	mg/Kg		133	70 - 130
Diesel Range Organics (Over C10-C28)	<49.7	U F1	999	1353	F1	mg/Kg		133	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	141	S1+	70 - 130
o-Terphenyl	131	S1+	70 - 130

Lab Sample ID: 880-3089-1 MSD
Matrix: Solid
Analysis Batch: 4283

Client Sample ID: S-1 1'
Prep Type: Total/NA
Prep Batch: 4198

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.7	U F1	997	1279		mg/Kg		126	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<49.7	U F1	997	1446	F1	mg/Kg		143	70 - 130	7	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	150	S1+	70 - 130
o-Terphenyl	140	S1+	70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-4287/1-A
Matrix: Solid
Analysis Batch: 4278

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4287

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/18/21 10:16	06/18/21 18:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/18/21 10:16	06/18/21 18:16	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/18/21 10:16	06/18/21 18:16	1
Total TPH	<50.0	U	50.0		mg/Kg		06/18/21 10:16	06/18/21 18:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*06/18/21 10:16*	*06/18/21 18:16*	*1*
o-Terphenyl	*87*		*70 - 130*	*06/18/21 10:16*	*06/18/21 18:16*	*1*

Lab Sample ID: LCS 880-4287/2-A
Matrix: Solid
Analysis Batch: 4278

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4287

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	847.6		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	909.1		mg/Kg		91	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*84*		*70 - 130*
o-Terphenyl	*77*		*70 - 130*

Lab Sample ID: LCSD 880-4287/3-A
Matrix: Solid
Analysis Batch: 4278

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4287

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	864.2		mg/Kg		86	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	920.1		mg/Kg		92	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*85*		*70 - 130*
o-Terphenyl	*77*		*70 - 130*

Lab Sample ID: 880-3089-21 MS
Matrix: Solid
Analysis Batch: 4278

Client Sample ID: S-5 1'
Prep Type: Total/NA
Prep Batch: 4287

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	999	866.8		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.7	U	999	983.7		mg/Kg		98	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-3089-21 MS
Matrix: Solid
Analysis Batch: 4278

Client Sample ID: S-5 1'
Prep Type: Total/NA
Prep Batch: 4287

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*88*		*70 - 130*
o-Terphenyl	*78*		*70 - 130*

Lab Sample ID: 880-3089-21 MSD
Matrix: Solid
Analysis Batch: 4278

Client Sample ID: S-5 1'
Prep Type: Total/NA
Prep Batch: 4287

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	997	842.4		mg/Kg		83	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.7	U	997	990.5		mg/Kg		99	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*89*		*70 - 130*
o-Terphenyl	*77*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-4182/1-A
Matrix: Solid
Analysis Batch: 4250

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			06/17/21 15:00	1

Lab Sample ID: LCS 880-4182/2-A
Matrix: Solid
Analysis Batch: 4250

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	245.9		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-4182/3-A
Matrix: Solid
Analysis Batch: 4250

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	255.8		mg/Kg		102	90 - 110	4	20

Lab Sample ID: 880-3087-A-62-B MS
Matrix: Solid
Analysis Batch: 4250

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	926	F1	249	1126	F1	mg/Kg		80	90 - 110		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-3087-A-62-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 4250

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	926	F1	249	1282	F1	mg/Kg		143	90 - 110	13	20

Lab Sample ID: MB 880-4183/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 4251

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			06/17/21 15:42	1

Lab Sample ID: LCS 880-4183/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 4251

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	235.2		mg/Kg		94	90 - 110		

Lab Sample ID: LCSD 880-4183/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 4251

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	234.6		mg/Kg		94	90 - 110	0	20

Lab Sample ID: 880-3089-10 MS — **Client Sample ID: S-9 0.5'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 4251

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	276	F1	250	242.0	F1	mg/Kg		-14	90 - 110		

Lab Sample ID: 880-3089-10 MSD — **Client Sample ID: S-9 0.5'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 4251

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	276	F1	250	242.0	F1	mg/Kg		-14	90 - 110	0	20

Lab Sample ID: 880-3089-20 MS — **Client Sample ID: S-4 10'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 4251

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	239	F1	252	462.9	F1	mg/Kg		89	90 - 110		

Lab Sample ID: 880-3089-20 MSD — **Client Sample ID: S-4 10'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 4251

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	239	F1	252	463.0	F1	mg/Kg		89	90 - 110	0	20

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-4184/1-A
Matrix: Solid
Analysis Batch: 4256

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			06/17/21 22:14	1

Lab Sample ID: LCS 880-4184/2-A
Matrix: Solid
Analysis Batch: 4256

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	231.5		mg/Kg		93	90 - 110		

Lab Sample ID: LCSD 880-4184/3-A
Matrix: Solid
Analysis Batch: 4256

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	231.6		mg/Kg		93	90 - 110	0	20

Lab Sample ID: 880-3089-30 MS
Matrix: Solid
Analysis Batch: 4256

Client Sample ID: S-7 3'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	239		248	470.8		mg/Kg		94	90 - 110		

Lab Sample ID: 880-3089-30 MSD
Matrix: Solid
Analysis Batch: 4256

Client Sample ID: S-7 3'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	239		248	471.1		mg/Kg		94	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

GC VOA

Prep Batch: 4165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3089-21	S-5 1'	Total/NA	Solid	5035	
880-3089-22	S-5 3'	Total/NA	Solid	5035	
880-3089-23	S-5 5'	Total/NA	Solid	5035	
880-3089-24	S-5 10'	Total/NA	Solid	5035	
880-3089-25	S-6 1'	Total/NA	Solid	5035	
880-3089-26	S-6 3'	Total/NA	Solid	5035	
880-3089-27	S-6 5'	Total/NA	Solid	5035	
880-3089-28	S-6 10'	Total/NA	Solid	5035	
880-3089-29	S-7 1'	Total/NA	Solid	5035	
880-3089-30	S-7 3'	Total/NA	Solid	5035	
880-3089-31	S-7	Total/NA	Solid	5035	
880-3089-32	S-7	Total/NA	Solid	5035	
MB 880-4165/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-4165/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-4165/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-3089-21 MS	S-5 1'	Total/NA	Solid	5035	
880-3089-21 MSD	S-5 1'	Total/NA	Solid	5035	

Analysis Batch: 4167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3089-21	S-5 1'	Total/NA	Solid	8021B	4165
880-3089-22	S-5 3'	Total/NA	Solid	8021B	4165
880-3089-23	S-5 5'	Total/NA	Solid	8021B	4165
880-3089-24	S-5 10'	Total/NA	Solid	8021B	4165
880-3089-25	S-6 1'	Total/NA	Solid	8021B	4165
880-3089-26	S-6 3'	Total/NA	Solid	8021B	4165
880-3089-27	S-6 5'	Total/NA	Solid	8021B	4165
880-3089-28	S-6 10'	Total/NA	Solid	8021B	4165
880-3089-29	S-7 1'	Total/NA	Solid	8021B	4165
880-3089-30	S-7 3'	Total/NA	Solid	8021B	4165
880-3089-31	S-7	Total/NA	Solid	8021B	4165
880-3089-32	S-7	Total/NA	Solid	8021B	4165
MB 880-4165/5-A	Method Blank	Total/NA	Solid	8021B	4165
LCS 880-4165/1-A	Lab Control Sample	Total/NA	Solid	8021B	4165
LCSD 880-4165/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	4165
880-3089-21 MS	S-5 1'	Total/NA	Solid	8021B	4165
880-3089-21 MSD	S-5 1'	Total/NA	Solid	8021B	4165

Prep Batch: 4174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3089-1	S-1 1'	Total/NA	Solid	5035	
880-3089-2	S-1 3'	Total/NA	Solid	5035	
880-3089-3	S-1 5'	Total/NA	Solid	5035	
880-3089-4	S-1 10'	Total/NA	Solid	5035	
880-3089-5	S-2 1'	Total/NA	Solid	5035	
880-3089-6	S-2 3'	Total/NA	Solid	5035	
880-3089-7	S-2 5'	Total/NA	Solid	5035	
880-3089-8	S-2 10'	Total/NA	Solid	5035	
880-3089-9	S-8 0.5'	Total/NA	Solid	5035	
880-3089-10	S-9 0.5'	Total/NA	Solid	5035	
880-3089-11	S-10 0.5'	Total/NA	Solid	5035	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

GC VOA (Continued)

Prep Batch: 4174 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3089-12	S-11 0.5'	Total/NA	Solid	5035	
880-3089-13	S-3 1'	Total/NA	Solid	5035	
880-3089-14	S-3 3'	Total/NA	Solid	5035	
880-3089-15	S-3 5'	Total/NA	Solid	5035	
880-3089-16	S-3 10'	Total/NA	Solid	5035	
880-3089-17	S-4 1'	Total/NA	Solid	5035	
880-3089-18	S-4 3'	Total/NA	Solid	5035	
880-3089-19	S-4 5'	Total/NA	Solid	5035	
880-3089-20	S-4 10'	Total/NA	Solid	5035	
MB 880-4174/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-4174/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-4174/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-3089-18 MS	S-4 3'	Total/NA	Solid	5035	
880-3089-18 MSD	S-4 3'	Total/NA	Solid	5035	

Analysis Batch: 4175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3089-1	S-1 1'	Total/NA	Solid	8021B	4174
880-3089-2	S-1 3'	Total/NA	Solid	8021B	4174
880-3089-3	S-1 5'	Total/NA	Solid	8021B	4174
880-3089-4	S-1 10'	Total/NA	Solid	8021B	4174
880-3089-5	S-2 1'	Total/NA	Solid	8021B	4174
880-3089-6	S-2 3'	Total/NA	Solid	8021B	4174
880-3089-7	S-2 5'	Total/NA	Solid	8021B	4174
880-3089-8	S-2 10'	Total/NA	Solid	8021B	4174
880-3089-9	S-8 0.5'	Total/NA	Solid	8021B	4174
880-3089-10	S-9 0.5'	Total/NA	Solid	8021B	4174
880-3089-11	S-10 0.5'	Total/NA	Solid	8021B	4174
880-3089-12	S-11 0.5'	Total/NA	Solid	8021B	4174
880-3089-13	S-3 1'	Total/NA	Solid	8021B	4174
880-3089-14	S-3 3'	Total/NA	Solid	8021B	4174
880-3089-15	S-3 5'	Total/NA	Solid	8021B	4174
880-3089-16	S-3 10'	Total/NA	Solid	8021B	4174
880-3089-17	S-4 1'	Total/NA	Solid	8021B	4174
880-3089-19	S-4 5'	Total/NA	Solid	8021B	4174
880-3089-20	S-4 10'	Total/NA	Solid	8021B	4174
MB 880-4174/5-A	Method Blank	Total/NA	Solid	8021B	4174
LCS 880-4174/1-A	Lab Control Sample	Total/NA	Solid	8021B	4174
LCSD 880-4174/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	4174
880-3089-18 MS	S-4 3'	Total/NA	Solid	8021B	4174
880-3089-18 MSD	S-4 3'	Total/NA	Solid	8021B	4174

Analysis Batch: 4223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3089-18	S-4 3'	Total/NA	Solid	8021B	4174

GC Semi VOA

Prep Batch: 4196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3089-29	S-7 1'	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

GC Semi VOA (Continued)

Prep Batch: 4196 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3089-30	S-7 3'	Total/NA	Solid	8015NM Prep	
880-3089-31	S-7	Total/NA	Solid	8015NM Prep	
880-3089-32	S-7	Total/NA	Solid	8015NM Prep	
MB 880-4196/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-4196/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-4196/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-806-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-806-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 4198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3089-1	S-1 1'	Total/NA	Solid	8015NM Prep	
880-3089-2	S-1 3'	Total/NA	Solid	8015NM Prep	
880-3089-3	S-1 5'	Total/NA	Solid	8015NM Prep	
880-3089-4	S-1 10'	Total/NA	Solid	8015NM Prep	
880-3089-5	S-2 1'	Total/NA	Solid	8015NM Prep	
880-3089-6	S-2 3'	Total/NA	Solid	8015NM Prep	
880-3089-7	S-2 5'	Total/NA	Solid	8015NM Prep	
880-3089-8	S-2 10'	Total/NA	Solid	8015NM Prep	
880-3089-9	S-8 0.5'	Total/NA	Solid	8015NM Prep	
880-3089-10	S-9 0.5'	Total/NA	Solid	8015NM Prep	
880-3089-11	S-10 0.5'	Total/NA	Solid	8015NM Prep	
880-3089-12	S-11 0.5'	Total/NA	Solid	8015NM Prep	
880-3089-13	S-3 1'	Total/NA	Solid	8015NM Prep	
880-3089-14	S-3 3'	Total/NA	Solid	8015NM Prep	
880-3089-15	S-3 5'	Total/NA	Solid	8015NM Prep	
880-3089-16	S-3 10'	Total/NA	Solid	8015NM Prep	
880-3089-17	S-4 1'	Total/NA	Solid	8015NM Prep	
880-3089-18	S-4 3'	Total/NA	Solid	8015NM Prep	
880-3089-19	S-4 5'	Total/NA	Solid	8015NM Prep	
880-3089-20	S-4 10'	Total/NA	Solid	8015NM Prep	
MB 880-4198/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-4198/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-4198/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-3089-1 MS	S-1 1'	Total/NA	Solid	8015NM Prep	
880-3089-1 MSD	S-1 1'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 4278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3089-21	S-5 1'	Total/NA	Solid	8015B NM	4287
880-3089-22	S-5 3'	Total/NA	Solid	8015B NM	4287
880-3089-23	S-5 5'	Total/NA	Solid	8015B NM	4287
880-3089-24	S-5 10'	Total/NA	Solid	8015B NM	4287
880-3089-25	S-6 1'	Total/NA	Solid	8015B NM	4287
880-3089-26	S-6 3'	Total/NA	Solid	8015B NM	4287
880-3089-27	S-6 5'	Total/NA	Solid	8015B NM	4287
880-3089-28	S-6 10'	Total/NA	Solid	8015B NM	4287
MB 880-4287/1-A	Method Blank	Total/NA	Solid	8015B NM	4287
LCS 880-4287/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	4287
LCSD 880-4287/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	4287
880-3089-21 MS	S-5 1'	Total/NA	Solid	8015B NM	4287

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

GC Semi VOA (Continued)

Analysis Batch: 4278 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3089-21 MSD	S-5 1'	Total/NA	Solid	8015B NM	4287

Analysis Batch: 4283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3089-1	S-1 1'	Total/NA	Solid	8015B NM	4198
880-3089-2	S-1 3'	Total/NA	Solid	8015B NM	4198
880-3089-3	S-1 5'	Total/NA	Solid	8015B NM	4198
880-3089-4	S-1 10'	Total/NA	Solid	8015B NM	4198
880-3089-5	S-2 1'	Total/NA	Solid	8015B NM	4198
880-3089-6	S-2 3'	Total/NA	Solid	8015B NM	4198
880-3089-7	S-2 5'	Total/NA	Solid	8015B NM	4198
880-3089-8	S-2 10'	Total/NA	Solid	8015B NM	4198
880-3089-9	S-8 0.5'	Total/NA	Solid	8015B NM	4198
880-3089-10	S-9 0.5'	Total/NA	Solid	8015B NM	4198
880-3089-11	S-10 0.5'	Total/NA	Solid	8015B NM	4198
880-3089-12	S-11 0.5'	Total/NA	Solid	8015B NM	4198
880-3089-13	S-3 1'	Total/NA	Solid	8015B NM	4198
880-3089-14	S-3 3'	Total/NA	Solid	8015B NM	4198
880-3089-15	S-3 5'	Total/NA	Solid	8015B NM	4198
880-3089-16	S-3 10'	Total/NA	Solid	8015B NM	4198
880-3089-17	S-4 1'	Total/NA	Solid	8015B NM	4198
880-3089-18	S-4 3'	Total/NA	Solid	8015B NM	4198
880-3089-19	S-4 5'	Total/NA	Solid	8015B NM	4198
880-3089-20	S-4 10'	Total/NA	Solid	8015B NM	4198
MB 880-4198/1-A	Method Blank	Total/NA	Solid	8015B NM	4198
LCS 880-4198/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	4198
LCSD 880-4198/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	4198
880-3089-1 MS	S-1 1'	Total/NA	Solid	8015B NM	4198
880-3089-1 MSD	S-1 1'	Total/NA	Solid	8015B NM	4198

Prep Batch: 4287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3089-21	S-5 1'	Total/NA	Solid	8015NM Prep	
880-3089-22	S-5 3'	Total/NA	Solid	8015NM Prep	
880-3089-23	S-5 5'	Total/NA	Solid	8015NM Prep	
880-3089-24	S-5 10'	Total/NA	Solid	8015NM Prep	
880-3089-25	S-6 1'	Total/NA	Solid	8015NM Prep	
880-3089-26	S-6 3'	Total/NA	Solid	8015NM Prep	
880-3089-27	S-6 5'	Total/NA	Solid	8015NM Prep	
880-3089-28	S-6 10'	Total/NA	Solid	8015NM Prep	
MB 880-4287/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-4287/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-4287/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-3089-21 MS	S-5 1'	Total/NA	Solid	8015NM Prep	
880-3089-21 MSD	S-5 1'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 4362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3089-29	S-7 1'	Total/NA	Solid	8015B NM	4196
880-3089-30	S-7 3'	Total/NA	Solid	8015B NM	4196
880-3089-31	S-7	Total/NA	Solid	8015B NM	4196

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

GC Semi VOA (Continued)

Analysis Batch: 4362 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3089-32	S-7	Total/NA	Solid	8015B NM	4196
MB 880-4196/1-A	Method Blank	Total/NA	Solid	8015B NM	4196
LCS 880-4196/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	4196
LCSD 880-4196/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	4196
890-806-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	4196
890-806-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	4196

HPLC/IC

Leach Batch: 4182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3089-1	S-1 1'	Soluble	Solid	DI Leach	
880-3089-2	S-1 3'	Soluble	Solid	DI Leach	
880-3089-3	S-1 5'	Soluble	Solid	DI Leach	
880-3089-4	S-1 10'	Soluble	Solid	DI Leach	
880-3089-5	S-2 1'	Soluble	Solid	DI Leach	
880-3089-6	S-2 3'	Soluble	Solid	DI Leach	
880-3089-7	S-2 5'	Soluble	Solid	DI Leach	
880-3089-8	S-2 10'	Soluble	Solid	DI Leach	
880-3089-9	S-8 0.5'	Soluble	Solid	DI Leach	
MB 880-4182/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-4182/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-4182/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-3087-A-62-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-3087-A-62-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 4183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3089-10	S-9 0.5'	Soluble	Solid	DI Leach	
880-3089-11	S-10 0.5'	Soluble	Solid	DI Leach	
880-3089-12	S-11 0.5'	Soluble	Solid	DI Leach	
880-3089-13	S-3 1'	Soluble	Solid	DI Leach	
880-3089-14	S-3 3'	Soluble	Solid	DI Leach	
880-3089-15	S-3 5'	Soluble	Solid	DI Leach	
880-3089-16	S-3 10'	Soluble	Solid	DI Leach	
880-3089-17	S-4 1'	Soluble	Solid	DI Leach	
880-3089-18	S-4 3'	Soluble	Solid	DI Leach	
880-3089-19	S-4 5'	Soluble	Solid	DI Leach	
880-3089-20	S-4 10'	Soluble	Solid	DI Leach	
880-3089-21	S-5 1'	Soluble	Solid	DI Leach	
880-3089-22	S-5 3'	Soluble	Solid	DI Leach	
880-3089-23	S-5 5'	Soluble	Solid	DI Leach	
880-3089-24	S-5 10'	Soluble	Solid	DI Leach	
880-3089-25	S-6 1'	Soluble	Solid	DI Leach	
880-3089-26	S-6 3'	Soluble	Solid	DI Leach	
880-3089-27	S-6 5'	Soluble	Solid	DI Leach	
880-3089-28	S-6 10'	Soluble	Solid	DI Leach	
880-3089-29	S-7 1'	Soluble	Solid	DI Leach	
MB 880-4183/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-4183/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-4183/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

HPLC/IC (Continued)

Leach Batch: 4183 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3089-10 MS	S-9 0.5'	Soluble	Solid	DI Leach	
880-3089-10 MSD	S-9 0.5'	Soluble	Solid	DI Leach	
880-3089-20 MS	S-4 10'	Soluble	Solid	DI Leach	
880-3089-20 MSD	S-4 10'	Soluble	Solid	DI Leach	

Leach Batch: 4184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3089-30	S-7 3'	Soluble	Solid	DI Leach	
880-3089-31	S-7	Soluble	Solid	DI Leach	
880-3089-32	S-7	Soluble	Solid	DI Leach	
MB 880-4184/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-4184/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-4184/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-3089-30 MS	S-7 3'	Soluble	Solid	DI Leach	
880-3089-30 MSD	S-7 3'	Soluble	Solid	DI Leach	

Analysis Batch: 4250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3089-1	S-1 1'	Soluble	Solid	300.0	4182
880-3089-2	S-1 3'	Soluble	Solid	300.0	4182
880-3089-3	S-1 5'	Soluble	Solid	300.0	4182
880-3089-4	S-1 10'	Soluble	Solid	300.0	4182
880-3089-5	S-2 1'	Soluble	Solid	300.0	4182
880-3089-6	S-2 3'	Soluble	Solid	300.0	4182
880-3089-7	S-2 5'	Soluble	Solid	300.0	4182
880-3089-8	S-2 10'	Soluble	Solid	300.0	4182
880-3089-9	S-8 0.5'	Soluble	Solid	300.0	4182
MB 880-4182/1-A	Method Blank	Soluble	Solid	300.0	4182
LCS 880-4182/2-A	Lab Control Sample	Soluble	Solid	300.0	4182
LCSD 880-4182/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	4182
880-3087-A-62-B MS	Matrix Spike	Soluble	Solid	300.0	4182
880-3087-A-62-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	4182

Analysis Batch: 4251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3089-10	S-9 0.5'	Soluble	Solid	300.0	4183
880-3089-11	S-10 0.5'	Soluble	Solid	300.0	4183
880-3089-12	S-11 0.5'	Soluble	Solid	300.0	4183
880-3089-13	S-3 1'	Soluble	Solid	300.0	4183
880-3089-14	S-3 3'	Soluble	Solid	300.0	4183
880-3089-15	S-3 5'	Soluble	Solid	300.0	4183
880-3089-16	S-3 10'	Soluble	Solid	300.0	4183
880-3089-17	S-4 1'	Soluble	Solid	300.0	4183
880-3089-18	S-4 3'	Soluble	Solid	300.0	4183
880-3089-19	S-4 5'	Soluble	Solid	300.0	4183
880-3089-20	S-4 10'	Soluble	Solid	300.0	4183
880-3089-21	S-5 1'	Soluble	Solid	300.0	4183
880-3089-22	S-5 3'	Soluble	Solid	300.0	4183
880-3089-23	S-5 5'	Soluble	Solid	300.0	4183
880-3089-24	S-5 10'	Soluble	Solid	300.0	4183
880-3089-25	S-6 1'	Soluble	Solid	300.0	4183

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

HPLC/IC (Continued)

Analysis Batch: 4251 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3089-26	S-6 3'	Soluble	Solid	300.0	4183
880-3089-27	S-6 5'	Soluble	Solid	300.0	4183
880-3089-28	S-6 10'	Soluble	Solid	300.0	4183
880-3089-29	S-7 1'	Soluble	Solid	300.0	4183
MB 880-4183/1-A	Method Blank	Soluble	Solid	300.0	4183
LCS 880-4183/2-A	Lab Control Sample	Soluble	Solid	300.0	4183
LCSD 880-4183/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	4183
880-3089-10 MS	S-9 0.5'	Soluble	Solid	300.0	4183
880-3089-10 MSD	S-9 0.5'	Soluble	Solid	300.0	4183
880-3089-20 MS	S-4 10'	Soluble	Solid	300.0	4183
880-3089-20 MSD	S-4 10'	Soluble	Solid	300.0	4183

Analysis Batch: 4256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3089-30	S-7 3'	Soluble	Solid	300.0	4184
880-3089-31	S-7	Soluble	Solid	300.0	4184
880-3089-32	S-7	Soluble	Solid	300.0	4184
MB 880-4184/1-A	Method Blank	Soluble	Solid	300.0	4184
LCS 880-4184/2-A	Lab Control Sample	Soluble	Solid	300.0	4184
LCSD 880-4184/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	4184
880-3089-30 MS	S-7 3'	Soluble	Solid	300.0	4184
880-3089-30 MSD	S-7 3'	Soluble	Solid	300.0	4184

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Client Sample ID: S-1 1'

Lab Sample ID: 880-3089-1
Matrix: Solid
Date Collected: 06/14/21 13:15
Date Received: 06/16/21 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	4174	06/16/21 10:54	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4175	06/16/21 14:45	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	4198	06/16/21 14:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4283	06/18/21 15:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.00 g	50 mL	4182	06/16/21 12:02	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	4250	06/17/21 16:47	CH	XEN MID

Client Sample ID: S-1 3'

Lab Sample ID: 880-3089-2
Matrix: Solid
Date Collected: 06/14/21 13:16
Date Received: 06/16/21 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	4174	06/16/21 10:54	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4175	06/16/21 15:06	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	4198	06/16/21 14:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4283	06/18/21 16:34	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	4182	06/16/21 12:02	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	4250	06/17/21 16:53	CH	XEN MID

Client Sample ID: S-1 5'

Lab Sample ID: 880-3089-3
Matrix: Solid
Date Collected: 06/14/21 13:17
Date Received: 06/16/21 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	4174	06/16/21 10:54	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4175	06/16/21 15:26	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	4198	06/16/21 14:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4283	06/18/21 16:47	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	4182	06/16/21 12:02	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	4250	06/17/21 17:09	CH	XEN MID

Client Sample ID: S-1 10'

Lab Sample ID: 880-3089-4
Matrix: Solid
Date Collected: 06/14/21 13:18
Date Received: 06/16/21 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	4174	06/16/21 10:54	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4175	06/16/21 15:47	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	4198	06/16/21 14:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4283	06/18/21 17:00	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	4182	06/16/21 12:02	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	4250	06/17/21 17:14	CH	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Client Sample ID: S-2 1'

Lab Sample ID: 880-3089-5
Matrix: Solid
Date Collected: 06/14/21 13:22
Date Received: 06/16/21 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	4174	06/16/21 10:54	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4175	06/16/21 16:32	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	4198	06/16/21 14:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4283	06/18/21 17:13	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	4182	06/16/21 12:02	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	4250	06/17/21 17:20	CH	XEN MID

Client Sample ID: S-2 3'

Lab Sample ID: 880-3089-6
Matrix: Solid
Date Collected: 06/14/21 13:23
Date Received: 06/16/21 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	4174	06/16/21 10:54	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4175	06/16/21 16:53	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	4198	06/16/21 14:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4283	06/18/21 17:26	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	4182	06/16/21 12:02	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	4250	06/17/21 17:25	CH	XEN MID

Client Sample ID: S-2 5'

Lab Sample ID: 880-3089-7
Matrix: Solid
Date Collected: 06/14/21 13:24
Date Received: 06/16/21 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	4174	06/16/21 10:54	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4175	06/16/21 17:13	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	4198	06/16/21 14:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4283	06/18/21 17:39	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	4182	06/16/21 12:02	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	4250	06/17/21 17:31	CH	XEN MID

Client Sample ID: S-2 10'

Lab Sample ID: 880-3089-8
Matrix: Solid
Date Collected: 06/14/21 13:25
Date Received: 06/16/21 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	4174	06/16/21 10:54	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4175	06/16/21 17:33	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	4198	06/16/21 14:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4283	06/18/21 17:52	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	4182	06/16/21 12:02	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	4250	06/17/21 17:36	CH	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Client Sample ID: S-8 0.5'

Lab Sample ID: 880-3089-9
Matrix: Solid
Date Collected: 06/14/21 13:30
Date Received: 06/16/21 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	4174	06/16/21 10:54	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4175	06/16/21 17:54	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	4198	06/16/21 14:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4283	06/18/21 18:05	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	4182	06/16/21 12:02	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	4250	06/17/21 17:41	CH	XEN MID

Client Sample ID: S-9 0.5'

Lab Sample ID: 880-3089-10
Matrix: Solid
Date Collected: 06/14/21 13:32
Date Received: 06/16/21 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	4174	06/16/21 10:54	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4175	06/16/21 18:14	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	4198	06/16/21 14:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4283	06/18/21 18:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	4183	06/16/21 12:04	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	4251	06/17/21 15:57	CH	XEN MID

Client Sample ID: S-10 0.5'

Lab Sample ID: 880-3089-11
Matrix: Solid
Date Collected: 06/14/21 13:34
Date Received: 06/16/21 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	4174	06/16/21 10:54	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4175	06/16/21 20:04	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	4198	06/16/21 14:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4283	06/18/21 18:44	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	4183	06/16/21 12:04	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	4251	06/17/21 16:11	CH	XEN MID

Client Sample ID: S-11 0.5'

Lab Sample ID: 880-3089-12
Matrix: Solid
Date Collected: 06/14/21 13:36
Date Received: 06/16/21 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	4174	06/16/21 10:54	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4175	06/16/21 20:25	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	4198	06/16/21 14:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4283	06/18/21 18:57	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	4183	06/16/21 12:04	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	4251	06/17/21 16:16	CH	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Client Sample ID: S-3 1'

Lab Sample ID: 880-3089-13
Matrix: Solid
Date Collected: 06/15/21 07:57
Date Received: 06/16/21 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	4174	06/16/21 10:54	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4175	06/16/21 20:45	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	4198	06/16/21 14:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4283	06/18/21 19:10	AJ	XEN MID
Soluble	Leach	DI Leach			5.00 g	50 mL	4183	06/16/21 12:04	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	4251	06/17/21 16:21	CH	XEN MID

Client Sample ID: S-3 3'

Lab Sample ID: 880-3089-14
Matrix: Solid
Date Collected: 06/15/21 07:58
Date Received: 06/16/21 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	4174	06/16/21 10:54	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4175	06/16/21 21:05	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	4198	06/16/21 14:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4283	06/18/21 19:23	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	4183	06/16/21 12:04	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	4251	06/17/21 16:26	CH	XEN MID

Client Sample ID: S-3 5'

Lab Sample ID: 880-3089-15
Matrix: Solid
Date Collected: 06/15/21 07:59
Date Received: 06/16/21 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	4174	06/16/21 10:54	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4175	06/16/21 21:26	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	4198	06/16/21 14:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4283	06/18/21 19:36	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	4183	06/16/21 12:04	SC	XEN MID
Soluble	Analysis	300.0		5	0 mL	1.0 mL	4251	06/17/21 16:41	CH	XEN MID

Client Sample ID: S-3 10'

Lab Sample ID: 880-3089-16
Matrix: Solid
Date Collected: 06/15/21 08:00
Date Received: 06/16/21 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	4174	06/16/21 10:54	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4175	06/16/21 21:46	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	4198	06/16/21 14:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4283	06/18/21 19:49	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	4183	06/16/21 12:04	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	4251	06/17/21 16:46	CH	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Client Sample ID: S-4 1'

Lab Sample ID: 880-3089-17
Matrix: Solid
Date Collected: 06/15/21 08:42
Date Received: 06/16/21 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	4174	06/16/21 10:54	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4175	06/16/21 22:07	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	4198	06/16/21 14:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4283	06/18/21 20:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	4183	06/16/21 12:04	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	4251	06/17/21 16:50	CH	XEN MID

Client Sample ID: S-4 3'

Lab Sample ID: 880-3089-18
Matrix: Solid
Date Collected: 06/15/21 08:43
Date Received: 06/16/21 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	4174	06/16/21 10:54	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4223	06/17/21 15:24	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	4198	06/16/21 14:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4283	06/18/21 20:14	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	4183	06/16/21 12:04	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	4251	06/17/21 16:55	CH	XEN MID

Client Sample ID: S-4 5'

Lab Sample ID: 880-3089-19
Matrix: Solid
Date Collected: 06/15/21 08:44
Date Received: 06/16/21 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	4174	06/16/21 10:54	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4175	06/16/21 22:47	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	4198	06/16/21 14:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4283	06/18/21 20:27	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	4183	06/16/21 12:04	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	4251	06/17/21 17:00	CH	XEN MID

Client Sample ID: S-4 10'

Lab Sample ID: 880-3089-20
Matrix: Solid
Date Collected: 06/15/21 08:45
Date Received: 06/16/21 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	4174	06/16/21 10:54	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4175	06/16/21 23:08	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	4198	06/16/21 14:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4283	06/18/21 20:40	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	4183	06/16/21 12:04	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	4251	06/17/21 17:05	CH	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Client Sample ID: S-5 1'

Lab Sample ID: 880-3089-21
Matrix: Solid
Date Collected: 06/15/21 09:27
Date Received: 06/16/21 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	4165	06/16/21 10:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4167	06/16/21 14:02	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	4287	06/18/21 10:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4278	06/18/21 19:19	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	4183	06/16/21 12:04	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	4251	06/17/21 17:20	CH	XEN MID

Client Sample ID: S-5 3'

Lab Sample ID: 880-3089-22
Matrix: Solid
Date Collected: 06/15/21 09:28
Date Received: 06/16/21 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	4165	06/16/21 10:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4167	06/16/21 14:23	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	4287	06/18/21 10:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4278	06/18/21 20:22	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	4183	06/16/21 12:04	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	4251	06/17/21 17:25	CH	XEN MID

Client Sample ID: S-5 5'

Lab Sample ID: 880-3089-23
Matrix: Solid
Date Collected: 06/15/21 09:29
Date Received: 06/16/21 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	4165	06/16/21 10:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4167	06/16/21 14:44	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	4287	06/18/21 10:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4278	06/18/21 20:43	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	4183	06/16/21 12:04	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	4251	06/17/21 17:39	CH	XEN MID

Client Sample ID: S-5 10'

Lab Sample ID: 880-3089-24
Matrix: Solid
Date Collected: 06/15/21 09:30
Date Received: 06/16/21 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	4165	06/16/21 10:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4167	06/16/21 15:04	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	4287	06/18/21 10:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4278	06/18/21 21:03	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	4183	06/16/21 12:04	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	4251	06/17/21 17:44	CH	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Client Sample ID: S-6 1'

Lab Sample ID: 880-3089-25
Matrix: Solid
Date Collected: 06/15/21 10:12
Date Received: 06/16/21 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	4165	06/16/21 10:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4167	06/16/21 15:25	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	4287	06/18/21 10:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4278	06/18/21 21:24	AJ	XEN MID
Soluble	Leach	DI Leach			5.00 g	50 mL	4183	06/16/21 12:04	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	4251	06/17/21 17:49	CH	XEN MID

Client Sample ID: S-6 3'

Lab Sample ID: 880-3089-26
Matrix: Solid
Date Collected: 06/15/21 10:13
Date Received: 06/16/21 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	4165	06/16/21 10:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4167	06/16/21 16:32	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	4287	06/18/21 10:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4278	06/18/21 21:45	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	4183	06/16/21 12:04	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	4251	06/17/21 17:54	CH	XEN MID

Client Sample ID: S-6 5'

Lab Sample ID: 880-3089-27
Matrix: Solid
Date Collected: 06/15/21 10:14
Date Received: 06/16/21 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	4165	06/16/21 10:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4167	06/16/21 16:52	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	4287	06/18/21 10:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4278	06/18/21 22:06	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	4183	06/16/21 12:04	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	4251	06/17/21 17:59	CH	XEN MID

Client Sample ID: S-6 10'

Lab Sample ID: 880-3089-28
Matrix: Solid
Date Collected: 06/15/21 10:15
Date Received: 06/16/21 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	4165	06/16/21 10:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4167	06/16/21 17:13	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	4287	06/18/21 10:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4278	06/18/21 22:27	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	4183	06/16/21 12:04	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	4251	06/17/21 18:04	CH	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Client Sample ID: S-7 1'

Lab Sample ID: 880-3089-29
Matrix: Solid
Date Collected: 06/15/21 10:42
Date Received: 06/16/21 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	4165	06/16/21 10:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4167	06/16/21 17:34	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	4196	06/16/21 13:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4362	06/20/21 16:28	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	4183	06/16/21 12:04	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	4251	06/17/21 18:09	CH	XEN MID

Client Sample ID: S-7 3'

Lab Sample ID: 880-3089-30
Matrix: Solid
Date Collected: 06/15/21 10:43
Date Received: 06/16/21 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	4165	06/16/21 10:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4167	06/16/21 17:54	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	4196	06/16/21 13:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4362	06/20/21 16:49	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	4184	06/16/21 12:06	CH	XEN MID
Soluble	Analysis	300.0		1			4256	06/17/21 22:29	CH	XEN MID

Client Sample ID: S-7

Lab Sample ID: 880-3089-31
Matrix: Solid
Date Collected: 06/15/21 10:44
Date Received: 06/16/21 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	4165	06/16/21 10:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4167	06/16/21 19:17	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	4196	06/16/21 13:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4362	06/20/21 17:11	AJ	XEN MID
Soluble	Leach	DI Leach			5.00 g	50 mL	4184	06/16/21 12:06	CH	XEN MID
Soluble	Analysis	300.0		1			4256	06/17/21 22:44	CH	XEN MID

Client Sample ID: S-7

Lab Sample ID: 880-3089-32
Matrix: Solid
Date Collected: 06/15/21 10:45
Date Received: 06/16/21 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	4165	06/16/21 10:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4167	06/16/21 19:38	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	4196	06/16/21 13:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4362	06/20/21 17:33	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	4184	06/16/21 12:06	CH	XEN MID
Soluble	Analysis	300.0		1			4256	06/17/21 22:49	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Old Indian Gathering

Job ID: 880-3089-1
SDG: 21-0100-05

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-3089-1	S-1 1'	Solid	06/14/21 13:15	06/16/21 09:05	
880-3089-2	S-1 3'	Solid	06/14/21 13:16	06/16/21 09:05	
880-3089-3	S-1 5'	Solid	06/14/21 13:17	06/16/21 09:05	
880-3089-4	S-1 10'	Solid	06/14/21 13:18	06/16/21 09:05	
880-3089-5	S-2 1'	Solid	06/14/21 13:22	06/16/21 09:05	
880-3089-6	S-2 3'	Solid	06/14/21 13:23	06/16/21 09:05	
880-3089-7	S-2 5'	Solid	06/14/21 13:24	06/16/21 09:05	
880-3089-8	S-2 10'	Solid	06/14/21 13:25	06/16/21 09:05	
880-3089-9	S-8 0.5'	Solid	06/14/21 13:30	06/16/21 09:05	
880-3089-10	S-9 0.5'	Solid	06/14/21 13:32	06/16/21 09:05	
880-3089-11	S-10 0.5'	Solid	06/14/21 13:34	06/16/21 09:05	
880-3089-12	S-11 0.5'	Solid	06/14/21 13:36	06/16/21 09:05	
880-3089-13	S-3 1'	Solid	06/15/21 07:57	06/16/21 09:05	
880-3089-14	S-3 3'	Solid	06/15/21 07:58	06/16/21 09:05	
880-3089-15	S-3 5'	Solid	06/15/21 07:59	06/16/21 09:05	
880-3089-16	S-3 10'	Solid	06/15/21 08:00	06/16/21 09:05	
880-3089-17	S-4 1'	Solid	06/15/21 08:42	06/16/21 09:05	
880-3089-18	S-4 3'	Solid	06/15/21 08:43	06/16/21 09:05	
880-3089-19	S-4 5'	Solid	06/15/21 08:44	06/16/21 09:05	
880-3089-20	S-4 10'	Solid	06/15/21 08:45	06/16/21 09:05	
880-3089-21	S-5 1'	Solid	06/15/21 09:27	06/16/21 09:05	
880-3089-22	S-5 3'	Solid	06/15/21 09:28	06/16/21 09:05	
880-3089-23	S-5 5'	Solid	06/15/21 09:29	06/16/21 09:05	
880-3089-24	S-5 10'	Solid	06/15/21 09:30	06/16/21 09:05	
880-3089-25	S-6 1'	Solid	06/15/21 10:12	06/16/21 09:05	
880-3089-26	S-6 3'	Solid	06/15/21 10:13	06/16/21 09:05	
880-3089-27	S-6 5'	Solid	06/15/21 10:14	06/16/21 09:05	
880-3089-28	S-6 10'	Solid	06/15/21 10:15	06/16/21 09:05	
880-3089-29	S-7 1'	Solid	06/15/21 10:42	06/16/21 09:05	
880-3089-30	S-7 3'	Solid	06/15/21 10:43	06/16/21 09:05	
880-3089-31	S-7	Solid	06/15/21 10:44	06/16/21 09:05	
880-3089-32	S-7	Solid	06/15/21 10:45	06/16/21 09:05	

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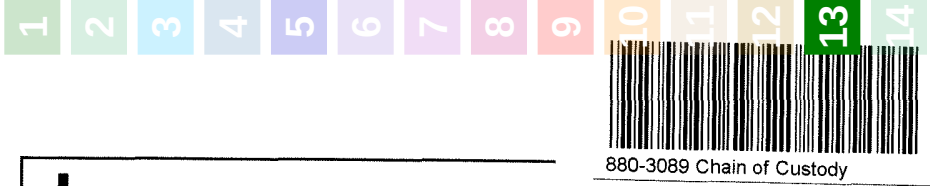

№1579

880-3089 CHAIN-OF-CUSTODY

7/8/2021

Larson & Associates, Inc.
Environmental Consultants

507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

Data Reported to:

DATE: 6-15-21 PAGE 1 OF 3

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: Old Indian Gatherings

LAI PROJECT #: 21-0100-05 COLLECTOR: TJ + MB

TRRP report? ☐ Yes ☒ No

TIME ZONE Time zone/State: MST

S=SOIL P=PAINT W=WATER SL=SLUDGE A=AIR OT=OTHER

PRESERVATION: HCl | HNO_3 | H_2SO_4 ☐ NaOH ☐ | ICE | UNPRESSERVED

ANALYSES: BTEX ☒ MTBE ☐ | TRPH 418.1 ☐ | TPH 1005 ☐ TPH 1006 ☐ | GASOLINE MOD 8015 ☒ | DIESEL - MOD 8015 ☒ | OIL - MOD 8015 ☒ | VOC 8260 ☐ | SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ | 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ | 8082 PCBS ☐ | TBLP - METALS (RCRA) ☐ TCLP VOC ☐ | TCLP - PEST ☐ HERB ☐ Semi-VOC ☐ | TOTAL METALS (RCRA) ☐ OTHER LIST ☐ | LEAD - TOTAL ☐ D W 200.8 ☐ TCLP ☐ | RCI ☐ TOX ☐ FLASHPOINT ☐ | TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ | pH ☐ HEXAVALENT CHROMIUM ☐ | EXPLOSIVES ☐ PECHLORATE ☐ | CHLORIDES ☒ ANIONS ☐ ALKALINITY ☐

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 NaOH	ICE	UNPRESSERVED	ANALYSES	FIELD NOTES
S-1 1'		6/14/21	1315	S	1				X		X	
S-1 3'			1316									
S-1 5'			1317									
S-1 10'			1318									
S-2 1'			1322									
S-2 3'			1323									
S-2 5'			1324									
S-2 10'			1325									
S-8 0.5'			1330									
S-9 0.5'			1332									
S-10 0.5'			1334									
S-11 0.5'			1336									
S-3 1'		6/15/21	0757									
S-3 3'			0758									
S-3 5'			0759									
TOTAL 15												

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
Brenda Bolin	6/16 9 05	[illegible]
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)

LABORATORY Xenco

TURN AROUND TIME
NORMAL ☒
1 DAY ☐
2 DAY ☐
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP 5.1/5.6 THERM#: IR8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☒ NOT USED
☐ CARRIER BILL #
☒ HAND DELIVERED

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Received by OCD: 5/14/2024 10:08:57 AM

Released to Imaging: 6/3/2024 10:47:50 AM

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№1580

3089 CHAIN-OF-CUSTODY

7/8/2021

Larson & Associates, Inc.
Environmental Consultants

507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

Data Reported to

DATE: 6/15/21 PAGE 2 OF 3

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: O/O Indian Gatherings

LAI PROJECT #: 21-0100-05 COLLECTOR: TJ + MB

TRRP report? ☐ Yes ☒ No

TIME ZONE Time zone/State: MST

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☒ MTBE ☐ / TRPH 418.1 ☐ / TPH 1005 ☐ / TPH 1006 ☐ / GASOLINE MOD 8015 ☒ / DIESEL - MOD 8015 ☒ / OIL - MOD 8015 ☒ / VOC 8260 ☐ / SVOC 8270 ☐ / PAH 8270 ☐ HOLDPAH ☐ / 8081 PESTICIDES ☐ / 8082 PCBS ☐ / 8151 HERBICIDES ☐ / TBLP - METALS (RCRA) ☐ TCLP VOC ☐ / TCLP - PEST ☐ HERB ☐ Semi-VOC ☐ / TOTAL METALS (RCRA) ☐ OTHER LIST ☐ / LEAD - TOTAL ☐ D W 200.8 ☐ TCLP ☐ / RCI ☐ TOX ☐ FLASHPOINT ☐ / TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ / pH ☐ HEXAVALENT CHROMIUM ☐ / EXPLOSIVES ☐ PECHLORATE ☐ / CHLORIDE ☒ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
S-3 10'		6/15/21	0800	S	1				X		X	
S-4 1'			0842									
S-4 3'			0843									
S-4 5'			0844									
S-4 10'			0845									
S-5 1'			0927									
S-5 3'			0928									
S-5 5'			0929									
S-5 10'			0930									
S-6 1'			1012									
S-6 3'			1013									
S-6 5'			1014									
S-6 10'			1015									
S-7 1'			1042									
S-7 3'			1043									
TOTAL 15												

RELINQUISHED BY (Signature) DATE/TIME 6/16 9 05 RECEIVED BY (Signature)

RELINQUISHED BY (Signature) DATE/TIME RECEIVED BY (Signature)

RELINQUISHED BY (Signature) DATE/TIME RECEIVED BY (Signature)

LABORATORY Xenco

TURN AROUND TIME
NORMAL ☒
1 DAY ☐
2 DAY ☐
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP 5.1/5.6 THERM# IR8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☒ NOT USED
☐ CARRIER BILL #
☒ HAND DELIVERED

Page 59 of 61

Received by OCD: 5/14/2024 10:08:57 AM

Released to Imaging: 6/3/2024 10:47:50 AM

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№ 1581

3089 CHAIN-OF-CUSTODY

7/8/2021

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

Data Reported to:

DATE: 6/15/21 PAGE 3 OF 3

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: old Indian Gathering

LAI PROJECT #: 21-000-05 COLLECTOR: TJ + MB

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State MST

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES: BTEX ☐ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐	TPH 1006 ☐	GASOLINE MOD 8015 ☐	DIESEL - MOD 8015 ☐	OIL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐	PAH 8270 ☐	HOLDPAH ☐	8081 PESTICIDES ☐	8151 HERBICIDES ☐	8082 PCBS ☐	TBLP - METALS (RCRA) ☐	TCLP VOC ☐	TCLP - PEST ☐	HERB ☐	Semi-VOC ☐	TOTAL METALS (RCRA) ☐	OTHER LIST ☐	LEAD - TOTAL ☐	D W 200.8 ☐	TCLP ☐	RCI ☐	TOX ☐	FLASHPOINT ☐	TDS ☐	TSS ☐	% MOISTURE ☐	pH ☐	CYANIDE ☐	HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐	PECHLORATE ☐	CHLORIDE ☒	ANIONS ☐	ALKALINITY ☐	FIELD NOTES
S-7		~~6/15/21~~	1044	S	1				X		X		X	X	X																											X			
S-7		6/15/21	1045	S	1				X		X		X	X	X																											X			

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-3089-1
SDG Number: 21-0100-05

Login Number: 3089
List Number: 1
Creator: Phillips, Kerianna

List Source: Eurofins Xenco, Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-12338-1
Laboratory Sample Delivery Group: 21-0100-05
Client Project/Site: Old Indian Draw Gathering Line

For:
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, Texas 79701

Attn: Mr. Mark J Larson

Holly Taylor

Authorized for release by:
3/28/2022 6:01:29 PM

Holly Taylor, Project Manager
(806)794-1296
holly.taylor@eurofinset.com

LINKS
Review your project results through TotalAccess
Have a Question? Ask The Expert
Visit us at: www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Larson & Associates, Inc.
Project/Site: Old Indian Draw Gathering Line

Laboratory Job ID: 880-12338-1
SDG: 21-0100-05

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Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-12338-1
Project/Site: Old Indian Draw Gathering Line SDG: 21-0100-05

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Larson & Associates, Inc. Job ID: 880-12338-1
Project/Site: Old Indian Draw Gathering Line SDG: 21-0100-05

Job ID: 880-12338-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-12338-1

Receipt
The samples were received on 3/11/2022 10:28 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.1°C

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Old Indian Draw Gathering Line

Job ID: 880-12338-1
SDG: 21-0100-05

Client Sample ID: S-1 , 15'

Lab Sample ID: 880-12338-1
Matrix: Solid
Date Collected: 03/10/22 10:40
Date Received: 03/11/22 10:28

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		10.1		mg/Kg		03/26/22 22:57	03/27/22 14:42	1

Client Sample ID: S-6 , 15'

Lab Sample ID: 880-12338-3
Matrix: Solid
Date Collected: 03/10/22 11:18
Date Received: 03/11/22 10:28

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	458		10.1		mg/Kg		03/26/22 22:57	03/27/22 15:53	1

Client Sample ID: S-2 , 15'

Lab Sample ID: 880-12338-5
Matrix: Solid
Date Collected: 03/10/22 12:15
Date Received: 03/11/22 10:28

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		10.1		mg/Kg		03/26/22 22:57	03/27/22 16:40	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Old Indian Draw Gathering Line

Job ID: 880-12338-1
SDG: 21-0100-05

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-46539/28-A
Matrix: Solid
Analysis Batch: 46528

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46539

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg		03/26/22 22:57	03/27/22 13:07	1

Lab Sample ID: LCS 860-46539/29-A
Matrix: Solid
Analysis Batch: 46528

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46539

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			100	95.01		mg/Kg		95	80 - 120		

Lab Sample ID: LCSD 860-46539/30-A
Matrix: Solid
Analysis Batch: 46528

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 46539

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			100	96.44		mg/Kg		96	80 - 120	1	20

Lab Sample ID: 880-12338-3 MS
Matrix: Solid
Analysis Batch: 46528

Client Sample ID: S-6 , 15'
Prep Type: Total/NA
Prep Batch: 46539

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	458		100	666.8	4	mg/Kg		208	80 - 120		

Lab Sample ID: 880-12338-3 MSD
Matrix: Solid
Analysis Batch: 46528

Client Sample ID: S-6 , 15'
Prep Type: Total/NA
Prep Batch: 46539

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	458		102	683.2	4	mg/Kg		221	80 - 120	2	20

Lab Sample ID: 880-12338-A-2-C MS
Matrix: Solid
Analysis Batch: 46528

Client Sample ID: 880-12338-A-2-C MS
Prep Type: Total/NA
Prep Batch: 46539

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	32.6		100	135.2		mg/Kg		102	80 - 120		

Lab Sample ID: 880-12338-A-2-D MSD
Matrix: Solid
Analysis Batch: 46528

Client Sample ID: 880-12338-A-2-D MSD
Prep Type: Total/NA
Prep Batch: 46539

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	32.6		101	136.5		mg/Kg		103	80 - 120	1	20

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-12338-1
Project/Site: Old Indian Draw Gathering Line SDG: 21-0100-05

HPLC/IC

Analysis Batch: 46528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12338-1	S-1 , 15'	Total/NA	Solid	300.0	46539
880-12338-3	S-6 , 15'	Total/NA	Solid	300.0	46539
880-12338-5	S-2 , 15'	Total/NA	Solid	300.0	46539
MB 860-46539/28-A	Method Blank	Total/NA	Solid	300.0	46539
LCS 860-46539/29-A	Lab Control Sample	Total/NA	Solid	300.0	46539
LCSD 860-46539/30-A	Lab Control Sample Dup	Total/NA	Solid	300.0	46539
880-12338-3 MS	S-6 , 15'	Total/NA	Solid	300.0	46539
880-12338-3 MSD	S-6 , 15'	Total/NA	Solid	300.0	46539
880-12338-A-2-C MS	880-12338-A-2-C MS	Total/NA	Solid	300.0	46539
880-12338-A-2-D MSD	880-12338-A-2-D MSD	Total/NA	Solid	300.0	46539

Prep Batch: 46539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12338-1	S-1 , 15'	Total/NA	Solid	300_Prep	
880-12338-3	S-6 , 15'	Total/NA	Solid	300_Prep	
880-12338-5	S-2 , 15'	Total/NA	Solid	300_Prep	
MB 860-46539/28-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 860-46539/29-A	Lab Control Sample	Total/NA	Solid	300_Prep	
LCSD 860-46539/30-A	Lab Control Sample Dup	Total/NA	Solid	300_Prep	
880-12338-3 MS	S-6 , 15'	Total/NA	Solid	300_Prep	
880-12338-3 MSD	S-6 , 15'	Total/NA	Solid	300_Prep	
880-12338-A-2-C MS	880-12338-A-2-C MS	Total/NA	Solid	300_Prep	
880-12338-A-2-D MSD	880-12338-A-2-D MSD	Total/NA	Solid	300_Prep	

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-12338-1
Project/Site: Old Indian Draw Gathering Line SDG: 21-0100-05

Client Sample ID: S-1 , 15' Lab Sample ID: 880-12338-1

Date Collected: 03/10/22 10:40 **Matrix: Solid**
Date Received: 03/11/22 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	300_Prep			4.97 g	50 mL	46539	03/26/22 22:57	ANP	XEN STF
Total/NA	Analysis	300.0		1			46528	03/27/22 14:42	A1S	XEN STF

Client Sample ID: S-6 , 15' Lab Sample ID: 880-12338-3

Date Collected: 03/10/22 11:18 **Matrix: Solid**
Date Received: 03/11/22 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	300_Prep			4.95 g	50 mL	46539	03/26/22 22:57	ANP	XEN STF
Total/NA	Analysis	300.0		1			46528	03/27/22 15:53	A1S	XEN STF

Client Sample ID: S-2 , 15' Lab Sample ID: 880-12338-5

Date Collected: 03/10/22 12:15 **Matrix: Solid**
Date Received: 03/11/22 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	300_Prep			4.97 g	50 mL	46539	03/26/22 22:57	ANP	XEN STF
Total/NA	Analysis	300.0		1			46528	03/27/22 16:40	A1S	XEN STF

Laboratory References:

XEN STF = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Job ID: 880-12338-1
Project/Site: Old Indian Draw Gathering Line
SDG: 21-0100-05

Laboratory: Eurofins Houston

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215-21-44	06-30-22

Method Summary

Client: Larson & Associates, Inc.
Project/Site: Old Indian Draw Gathering Line

Job ID: 880-12338-1
SDG: 21-0100-05

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	XEN STF
300_Prep	Anions, Ion Chromatography, 10% Wt/Vol	MCAWW	XEN STF

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

XEN STF = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Old Indian Draw Gathering Line

Job ID: 880-12338-1
SDG: 21-0100-05

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-12338-1	S-1 , 15'	Solid	03/10/22 10:40	03/11/22 10:28
880-12338-3	S-6 , 15'	Solid	03/10/22 11:18	03/11/22 10:28
880-12338-5	S-2 , 15'	Solid	03/10/22 12:15	03/11/22 10:28

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No. 2467

12338

CHAIN-OF-CUSTODY

3/28/2022

Larson & Associates, Inc.
Environmental Consultants
507 N Marienfeld, Ste 202
Midland, TX 79701
432-687-0901

DATE: 3/11/22 PAGE 1 OF 1

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: Old Indian Draw Gathering Line

LAI PROJECT #: 21-0100-05 COLLECTOR: DSG

Data Reported to

TRRP report? ☐ Yes ☒ No

TIME ZONE Time zone/State: MST/NM

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR OT=OTHER

PRESERVATION: HCl | HNO_3 | H_2SO_4 ☐ NaOH ☐ | ICE | UNPRESSERVED

ANALYSES: BTEX ☐ MTBE ☐ | TRPH 418.1 ☐ | TPH 1005 ☐ TPH 1006 ☐ | GASOLINE MOD 8015 ☐ | DIESEL - MOD 8015 ☐ | OIL - MOD 8015 ☐ | VOC 8260 ☐ | SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ | 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ | 8082 PCBS ☐ | TCLP - METALS (RCRA) ☐ TCLP VOC ☐ | TCLP - PEST ☐ HERB ☐ Semi-VOC ☐ | TOTAL METALS (RCRA) ☐ OTHER LIST ☐ | LEAD - TOTAL ☐ D W 200.8 ☐ TCLP ☐ | RCI ☐ TOX ☐ FLASHPOINT ☐ | TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ | pH ☐ HEXAVALENT CHROMIUM ☐ | EXPLOSIVES ☐ PECHLORATE ☐ | CHLORIDES ☐ ANIONS ☐ ALKALINITY ☐

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 NaOH	ICE	UNPRESSERVED	ANALYSES	FIELD NOTES
S-1, 15'		3/10/22	1040	S	1				X		X	Analyze chloride to 600 mg/kg per sample location.
S-1, 20'		"	1045	"	"				"		"	
S-6, 15'		"	1118	"	"				"			
S-6, 20'		"	1124	"	"				"			
S-2, 15'		"	1215	"	"				"			
S-2, 20'		"	1220	"	"				"			

TOTAL

880-12338 Chain of Custody

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
	3/11/22 1025	
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)

LABORATORY Xenco

TURN AROUND TIME
NORMAL ☒
1 DAY ☐
2 DAY ☐
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP 2.1 THERM# IR8
CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

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Received by OCD: 5/14/2024 10:08:57 AM

Released to Imaging: 6/3/2024 10:47:50 AM

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Eurofins Midland
1211 W Florida Ave
Midland TX 79701
Phone: 432-704-5440

Temp: 16.8 IR ID:HOU-323
C/F +0.2
Corrected Temp: 17.0

Chain of Custody Record

880-12338 Chain of Custody

ns Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Taylor Holly	
Client Contact: Shipping/Receiving	Phone:	E-Mail: holly.taylor@eurofinset.com	State of Origin: New Mexico
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas	Page: Page 1 of 1
Address: 4145 Greenbriar Dr	Due Date Requested: 3/17/2022		Job #: 880-12338-1
City: Stafford	TAT Requested (days):		
State, Zip: TX, 77477			
Phone: 281-240-4200(Tel)	PO #:		
Email:	WO #:		
Project Name: Old Indian Draw Gathering Line	Project #: 88000254		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/300_Prep Chloride	Total_BTEX_GRO_DRO_ORO_GRO_DRO	Special Instructions/Note:
S-1 15' (880-12338-1)	3/10/22	10:40 Mountain		Solid			X		
S-1 20' (880-12338-2)	3/10/22	10:45 Mountain		Solid			X		
S-6 15' (880-12338-3)	3/10/22	11 18 Mountain		Solid			X		
S-6 20' (880-12338-4)	3/10/22	11:24 Mountain		Solid			X		
S-2 15' (880-12338-5)	3/10/22	12:15 Mountain		Solid			X		
S-2 20' (880-12338-6)	3/10/22	12:20 Mountain		Solid			X		

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 3/26/22 9:10	Company Xenco	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.
	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Received by OCD: 5/14/2024 10:08:57 AM

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Released to Imaging: 6/3/2024 10:47:50 AM

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-12338-1
SDG Number: 21-0100-05

Login Number: 12338
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-12338-1
SDG Number: 21-0100-05

Login Number: 12338
List Number: 2
Creator: Torres, Sandra

List Source: Eurofins Houston
List Creation: 03/26/22 01:16 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	False	Cooler temperature outside required temperature criteria.
Cooler Temperature is recorded.	True	17.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Justin Nixon
ARCADIS U.S., Inc.
1004 North Big Spring
Suite 300
Midland, Texas 79701

Generated 3/24/2023 2:50:31 PM Revision 1

JOB DESCRIPTION

Chevron Old Indian Draw Gathering Line
SDG NUMBER 88001631

JOB NUMBER

890-4261-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 6/3/2024 10:47:50 AM

Eurofins Carlsbad

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated
3/24/2023 2:50:31 PM
Revision 1

Authorized for release by
John Builes, Project Manager
John.Builes@et.eurofinsus.com
(561)558-4549

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Laboratory Job ID: 890-4261-1
SDG: 88001631

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Definitions/Glossary

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
B	Compound was found in the blank and sample.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control

Definitions/Glossary

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Job ID: 890-4261-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-4002-1

Receipt
The samples were received on 1/31/2023 4:12 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.4°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: L-11-5-0-6' 20230131 (890-4002-1), L-12-5-0-6' 20230131 (890-4002-2), L-13-5-0-6' 20230131 (890-4002-3), L-14-5-0-6' 20230131 (890-4002-4), L-15-5-0-6' 20230131 (890-4002-5), L-16-5-0-6' 20230131 (890-4002-6), L-17-5-0-6' 20230131 (890-4002-7), L-18-5-0-6' 20230131 (890-4002-8), L-19-5-0-6' 20230131 (890-4002-9), L-20-5-0-6' 20230131 (890-4002-10), L-21-5-0-6' 20230131 (890-4002-11), C-1--5-0-6' 20230131 (890-4002-12), L-1-5-0-6' 20230131 (890-4002-13), L-2-5-0-6' 20230131 (890-4002-14), L-3-5-0-6' 20230131 (890-4002-15), L-5-5-0-6' 20230131 (890-4002-16), L-6-5-0-6' 20230131 (890-4002-17), L-7-5-0-6' 20230131 (890-4002-18), L-8-5-0-6' 20230131 (890-4002-19), L-9-5-0-6' 20230131 (890-4002-20), L-10-5-0-6' 20230131 (890-4002-21), G-35-5-0-6' 20230131 (890-4002-22) and G-36-5-0-6' 20230131 (890-4002-23).

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Narrative

Job Narrative
890-4261-1

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 3/15/2023. The report (revision 1) is being revised due to: Revised report to correct transcription error in Client Sample ID.

Receipt
The samples were received on 3/8/2023 4:12 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.0º C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW-1-S-0-2'- 20230307 (890-4261-1), SW-2-S-0-2'- 20230307 (890-4261-2), SW-3-S-0-2'- 20230307 (890-4261-3), B-1-S-2'-2-20230307 (890-4261-4), B-2-S-2'-2-20230307 (890-4261-5), B-3-S-2'-2-20230307 (890-4261-6), B-4-S-2'-2-20230307 (890-4261-7), B-5-S-1'-2-2-20230307 (890-4261-8), B-6-S-1'-2'-2-20230307 (890-4261-9), B-7-S-1'-2-20230307 (890-4261-10), B-8-S-1'-2-20230307 (890-4261-11), B-9-S-1'-2-20230307 (890-4261-12), B-10-S-1'-20230307 (890-4261-13), B-11-S-1'-20230307 (890-4261-14), B-12-S-1'-20230307 (890-4261-15), B-13-S-1'-20230307 (890-4261-16), B-14-S-1'-20230307 (890-4261-17), B-15-S-1'-20230307 (890-4261-18), B-16-S-1'-20230307 (890-4261-19), B-17-S-1'-20230307 (890-4261-20), B-18-S-1'-20230307 (890-4261-21), B-19-S-1'-20230307 (890-4261-22), B-20-S-1'-20230307 (890-4261-23) and B-21-S-1'-20230307 (890-4261-24).

GC VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
Method 8015B NM: The method blank for preparation batch 880-48322 and analytical batch 880-48386 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Case Narrative

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Job ID: 890-4261-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

Method 8015B NM: The surrogate recovery for the blank associated with preparation batch 880-48252 and analytical batch 880-48274 was outside the upper control limits.

Method 8015B NM: The method blank for preparation batch 880-48252 and analytical batch 880-48274 contained OII Range Organics (Over C28-C36) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48252 and analytical batch 880-48274 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015B NM: The surrogate recovery for the blank associated with preparation batch 880-48262 and analytical batch 880-48410 was outside the upper control limits.

Method 8015B NM: The method blank for preparation batch 880-48262 and analytical batch 880-48410 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-48303 and 880-48303 and analytical batch 880-48311 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48304 and analytical batch 880-48312 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: B-18-S-1'-20230307 (890-4261-21), B-19-S-1'-20230307 (890-4261-22), B-20-S-1'-20230307 (890-4261-23), B-21-S-1'-20230307 (890-4261-24) and (890-4261-A-21-D MSD).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-25768-1

Receipt
The samples were received on 3/10/2023 10:20 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.3°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: SW-4-S-0-1'-20230309 (880-25768-1), SW-5-S-0-1'-20230309 (880-25768-2), SW-6-S-0-1'-20230309 (880-25768-3), SW-7-S-0-1'-20230309 (880-25768-4), B-22-S-1'-20230309 (880-25768-5), B-23-S-1'-20230309 (880-25768-6), B-24-S-1'-20230309 (880-25768-7), B-25-S-1'-20230309 (880-25768-8), B-26-S-1'-20230309 (880-25768-9), B-27-S-1'-20230309 (880-25768-10), B-28-S-1'-20230309 (880-25768-11),

Case Narrative

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Job ID: 890-4261-1 (Continued)

Laboratory: Eurofins Midland (Continued)

B-29-S-1'-20230309 (880-25768-12), B-30-S-1'-20230309 (880-25768-13), B-31-S-1'-20230309 (880-25768-14), B-32-S-1'-20230309 (880-25768-15), B-33-S-1'-20230309 (880-25768-16), B-34-S-1'-20230309 (880-25768-17), B-35-S-1'-20230309 (880-25768-18), B-36-S-1'-20230309 (880-25768-19), B-37-S-1'-20230309 (880-25768-20), B-38-S-1'-20230309 (880-25768-21), B-39-S-1'-20230309 (880-25768-22), B-40-S-1'-20230309 (880-25768-23), B-41-S-1'-20230309 (880-25768-24), B-42-S-1'-20230309 (880-25768-25), B-43-S-1'-20230309 (880-25768-26), B-44-S-1'-20230309 (880-25768-27), B-45-S-1'-20230309 (880-25768-28), B-46-S-1'-20230309 (880-25768-29), B-47-S-1'-20230309 (880-25768-30), B-48-S-1'-20230309 (880-25768-31), B-49-S-1'-20230309 (880-25768-32), B-50-S-1'-20230309 (880-25768-33), B-51-S-1'-20230309 (880-25768-34), B-52-S-1'-20230309 (880-25768-35), B-53-S-1'-20230309 (880-25768-36), B-54-S-1'-20230309 (880-25768-37), B-55-S-1'-20230309 (880-25768-38), B-56-S-1'-20230309 (880-25768-39), B-57-S-1'-20230309 (880-25768-40), B-58-S-1'-20230309 (880-25768-41) and B-59-S-1'-20230309 (880-25768-42).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48843 and analytical batch 880-48882 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: B-22-S-1'-20230309 (880-25768-5), B-28-S-1'-20230309 (880-25768-11), B-29-S-1'-20230309 (880-25768-12), B-30-S-1'-20230309 (880-25768-13), B-31-S-1'-20230309 (880-25768-14), B-32-S-1'-20230309 (880-25768-15) and B-37-S-1'-20230309 (880-25768-20). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48844 and analytical batch 880-48914 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-48343 and analytical batch 880-48388 was outside the upper control limits.

Method 8015MOD_NM: The method blank for preparation batch 880-48343 and analytical batch 880-48388 contained Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (880-25768-A-7-C MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-48346 and analytical batch 880-48412 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: B-29-S-1'-20230309 (880-25768-12) and B-30-S-1'-20230309 (880-25768-13). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: B-36-S-1'-20230309 (880-25768-19). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-48346 and analytical batch 880-48412 was outside control limits. Sample non-homogeneity is suspected.

Method 8015MOD_NM: The method blank for preparation batch 880-48345 and analytical batch 880-48410 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL);

Case Narrative

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Job ID: 890-4261-1 (Continued)

Laboratory: Eurofins Midland (Continued)

therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-48345 and analytical batch 880-48410 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48313 and 880-48313 and analytical batch 880-48324 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.The associated samples are: SW-4-S-0-1'-20230309 (880-25768-1), SW-5-S-0-1'-20230309 (880-25768-2), SW-6-S-0-1'-20230309 (880-25768-3), SW-7-S-0-1'-20230309 (880-25768-4), B-22-S-1'-20230309 (880-25768-5), B-23-S-1'-20230309 (880-25768-6), B-24-S-1'-20230309 (880-25768-7), B-25-S-1'-20230309 (880-25768-8), B-26-S-1'-20230309 (880-25768-9), B-27-S-1'-20230309 (880-25768-10), (880-25768-A-1-B MS) and (880-25768-A-1-C MSD).

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48313 and 880-48313 and analytical batch 880-48324 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.The associated samples are: B-28-S-1'-20230309 (880-25768-11), B-29-S-1'-20230309 (880-25768-12), B-30-S-1'-20230309 (880-25768-13), B-31-S-1'-20230309 (880-25768-14), B-32-S-1'-20230309 (880-25768-15), B-33-S-1'-20230309 (880-25768-16), B-34-S-1'-20230309 (880-25768-17), B-35-S-1'-20230309 (880-25768-18), B-36-S-1'-20230309 (880-25768-19), B-37-S-1'-20230309 (880-25768-20), (880-25768-A-11-B MS) and (880-25768-A-11-C MSD).

Method 300_ORGFM_28D: The method blank for preparation batch 880-48314 and analytical batch 880-48325 contained Chloride above the method detection limit (MDL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.(MB 880-48314/1-A)

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48314 and analytical batch 880-48325 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.The associated samples are: B-38-S-1'-20230309 (880-25768-21), B-39-S-1'-20230309 (880-25768-22), B-40-S-1'-20230309 (880-25768-23), B-41-S-1'-20230309 (880-25768-24), B-42-S-1'-20230309 (880-25768-25), B-43-S-1'-20230309 (880-25768-26), B-44-S-1'-20230309 (880-25768-27), B-45-S-1'-20230309 (880-25768-28), B-46-S-1'-20230309 (880-25768-29), B-47-S-1'-20230309 (880-25768-30), (880-25768-A-21-B MS) and (880-25768-A-21-C MSD).

Method 300_ORGFM_28D: The method blank for preparation batch 880-48313 and analytical batch 880-48324 contained Chloride above the method detection limit (MDL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.(MB 880-48313/1-A)

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48288 and analytical batch 880-48327 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.The associated sample is: B-58-S-1'-20230309 (880-25768-41).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Narrative

Job Narrative
880-25966-1

Receipt

Case Narrative

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Job ID: 890-4261-1 (Continued)

Laboratory: Eurofins Midland (Continued)

The sample was received on 3/15/2023 11:53 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.5°C

Receipt Exceptions
The following sample was received and analyzed from an unpreserved bulk soil jar: SW-3B-S-0-1'-20230314 (880-25966-1).

GC VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Narrative

Job Narrative
880-26151-1

Receipt
The sample was received on 3/21/2023 8:10 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.3°C

Receipt Exceptions
The following samples analyzed for method <TPH 8015> were received and analyzed from an unpreserved bulk soil jar

GC VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-49012 and analytical batch 880-49067 was outside the upper control limits.

Method 8015MOD_NM: The method blank for preparation batch 880-49012 and analytical batch 880-49067 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: SW-4-S-0-1'-20230309 Lab Sample ID: 880-25768-1

Date Collected: 03/09/23 10:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1 F2	0.00200	0.000384	mg/Kg		03/17/23 13:09	03/18/23 12:29	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		03/17/23 13:09	03/18/23 12:29	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		03/17/23 13:09	03/18/23 12:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:09	03/18/23 12:29	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		03/17/23 13:09	03/18/23 12:29	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:09	03/18/23 12:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*03/17/23 13:09*	*03/18/23 12:29*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*03/17/23 13:09*	*03/18/23 12:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**40.9**	**J**	49.9	15.0	mg/Kg			03/13/23 17:02	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**20.7**	**J B**	49.9	15.0	mg/Kg		03/10/23 15:45	03/12/23 05:04	1
Diesel Range Organics (Over C10-C28)	**20.2**	**J B**	49.9	15.0	mg/Kg		03/10/23 15:45	03/12/23 05:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:45	03/12/23 05:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*03/10/23 15:45*	*03/12/23 05:04*	*1*
o-Terphenyl	*108*		*70 - 130*	*03/10/23 15:45*	*03/12/23 05:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**68.7**	**B F1**	4.97	0.393	mg/Kg			03/10/23 17:10	1

Client Sample ID: SW-5-S-0-1'-20230309 Lab Sample ID: 880-25768-2

Date Collected: 03/09/23 10:10 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000386	mg/Kg		03/17/23 13:09	03/18/23 12:50	1
Toluene	<0.00200	U	0.00200	0.000457	mg/Kg		03/17/23 13:09	03/18/23 12:50	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg		03/17/23 13:09	03/18/23 12:50	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		03/17/23 13:09	03/18/23 12:50	1
o-Xylene	<0.00200	U	0.00200	0.000345	mg/Kg		03/17/23 13:09	03/18/23 12:50	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg		03/17/23 13:09	03/18/23 12:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/17/23 13:09*	*03/18/23 12:50*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*03/17/23 13:09*	*03/18/23 12:50*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: SW-5-S-0-1'-20230309

Lab Sample ID: 880-25768-2
Matrix: Solid
Date Collected: 03/09/23 10:10
Date Received: 03/10/23 10:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	0.00101	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**35.6**	**J**	50.0	15.0	mg/Kg			03/13/23 17:02	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**19.3**	**J B**	50.0	15.0	mg/Kg		03/10/23 15:45	03/12/23 05:26	1
Diesel Range Organics (Over C10-C28)	**16.3**	**J B**	50.0	15.0	mg/Kg		03/10/23 15:45	03/12/23 05:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:45	03/12/23 05:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*03/10/23 15:45*	*03/12/23 05:26*	*1*
o-Terphenyl	*109*		*70 - 130*	*03/10/23 15:45*	*03/12/23 05:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**122**	**B**	5.04	0.398	mg/Kg			03/10/23 17:24	1

Client Sample ID: SW-6-S-0-1'-20230309

Lab Sample ID: 880-25768-3
Matrix: Solid
Date Collected: 03/09/23 10:20
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/17/23 13:09	03/18/23 13:10	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		03/17/23 13:09	03/18/23 13:10	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		03/17/23 13:09	03/18/23 13:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		03/17/23 13:09	03/18/23 13:10	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		03/17/23 13:09	03/18/23 13:10	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		03/17/23 13:09	03/18/23 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*03/17/23 13:09*	*03/18/23 13:10*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*03/17/23 13:09*	*03/18/23 13:10*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**65.2**		49.9	15.0	mg/Kg			03/13/23 17:02	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**41.0**	**J B**	49.9	15.0	mg/Kg		03/10/23 15:45	03/12/23 05:47	1
Diesel Range Organics (Over C10-C28)	**24.2**	**J B**	49.9	15.0	mg/Kg		03/10/23 15:45	03/12/23 05:47	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: SW-6-S-0-1'-20230309 Lab Sample ID: 880-25768-3

Date Collected: 03/09/23 10:20 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:45	03/12/23 05:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*03/10/23 15:45*	*03/12/23 05:47*	*1*
o-Terphenyl	*125*		*70 - 130*	*03/10/23 15:45*	*03/12/23 05:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**548**	**B**	5.02	0.397	mg/Kg			03/10/23 17:29	1

Client Sample ID: SW-7-S-0-1'-20230309 Lab Sample ID: 880-25768-4

Date Collected: 03/09/23 10:30 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/17/23 13:09	03/18/23 13:31	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		03/17/23 13:09	03/18/23 13:31	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		03/17/23 13:09	03/18/23 13:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		03/17/23 13:09	03/18/23 13:31	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		03/17/23 13:09	03/18/23 13:31	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		03/17/23 13:09	03/18/23 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*03/17/23 13:09*	*03/18/23 13:31*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*03/17/23 13:09*	*03/18/23 13:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**46.1**	**J**	49.9	15.0	mg/Kg			03/13/23 17:02	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**28.0**	**J B**	49.9	15.0	mg/Kg		03/10/23 15:45	03/12/23 06:09	1
Diesel Range Organics (Over C10-C28)	**18.1**	**J B**	49.9	15.0	mg/Kg		03/10/23 15:45	03/12/23 06:09	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:45	03/12/23 06:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*03/10/23 15:45*	*03/12/23 06:09*	*1*
o-Terphenyl	*100*		*70 - 130*	*03/10/23 15:45*	*03/12/23 06:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**512**	**B**	4.99	0.394	mg/Kg			03/10/23 17:34	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-22-S-1'-20230309

Lab Sample ID: 880-25768-5
Matrix: Solid
Date Collected: 03/09/23 10:40
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000468**	**J**	0.00200	0.000384	mg/Kg		03/17/23 13:09	03/18/23 13:52	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		03/17/23 13:09	03/18/23 13:52	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		03/17/23 13:09	03/18/23 13:52	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:09	03/18/23 13:52	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		03/17/23 13:09	03/18/23 13:52	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:09	03/18/23 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*49*	*S1-*	*70 - 130*	*03/17/23 13:09*	*03/18/23 13:52*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*03/17/23 13:09*	*03/18/23 13:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**63.7**		50.0	15.0	mg/Kg			03/13/23 17:02	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**36.0**	**J B**	50.0	15.0	mg/Kg		03/10/23 15:45	03/12/23 06:30	1
Diesel Range Organics (Over C10-C28)	**27.7**	**J B**	50.0	15.0	mg/Kg		03/10/23 15:45	03/12/23 06:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:45	03/12/23 06:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*03/10/23 15:45*	*03/12/23 06:30*	*1*
o-Terphenyl	*122*		*70 - 130*	*03/10/23 15:45*	*03/12/23 06:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**238**	**B**	4.97	0.393	mg/Kg			03/10/23 17:39	1

Client Sample ID: B-23-S-1'-20230309

Lab Sample ID: 880-25768-6
Matrix: Solid
Date Collected: 03/09/23 10:50
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000381	mg/Kg		03/17/23 13:09	03/18/23 14:12	1
Toluene	<0.00198	U	0.00198	0.000451	mg/Kg		03/17/23 13:09	03/18/23 14:12	1
Ethylbenzene	<0.00198	U	0.00198	0.000559	mg/Kg		03/17/23 13:09	03/18/23 14:12	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00100	mg/Kg		03/17/23 13:09	03/18/23 14:12	1
o-Xylene	<0.00198	U	0.00198	0.000341	mg/Kg		03/17/23 13:09	03/18/23 14:12	1
Xylenes, Total	<0.00396	U	0.00396	0.00100	mg/Kg		03/17/23 13:09	03/18/23 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*03/17/23 13:09*	*03/18/23 14:12*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*03/17/23 13:09*	*03/18/23 14:12*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-23-S-1'-20230309

Lab Sample ID: 880-25768-6
Matrix: Solid
Date Collected: 03/09/23 10:50
Date Received: 03/10/23 10:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	0.00100	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**85.6**		49.9	15.0	mg/Kg			03/13/23 17:02	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**24.6**	**J B**	49.9	15.0	mg/Kg		03/10/23 15:45	03/12/23 06:52	1
Diesel Range Organics (Over C10-C28)	**43.4**	**J B**	49.9	15.0	mg/Kg		03/10/23 15:45	03/12/23 06:52	1
Oil Range Organics (Over C28-C36)	**17.6**	**J**	49.9	15.0	mg/Kg		03/10/23 15:45	03/12/23 06:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*03/10/23 15:45*	*03/12/23 06:52*	*1*
o-Terphenyl	*119*		*70 - 130*	*03/10/23 15:45*	*03/12/23 06:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**700**	**B**	5.00	0.395	mg/Kg			03/10/23 17:53	1

Client Sample ID: B-24-S-1'-20230309

Lab Sample ID: 880-25768-7
Matrix: Solid
Date Collected: 03/09/23 11:00
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		03/17/23 13:09	03/18/23 14:33	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		03/17/23 13:09	03/18/23 14:33	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		03/17/23 13:09	03/18/23 14:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:09	03/18/23 14:33	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		03/17/23 13:09	03/18/23 14:33	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:09	03/18/23 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*03/17/23 13:09*	*03/18/23 14:33*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*03/17/23 13:09*	*03/18/23 14:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**17.7**	**J**	49.9	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**17.7**	**J F2**	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 12:21	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-24-S-1'-20230309

Lab Sample ID: 880-25768-7
Matrix: Solid
Date Collected: 03/09/23 11:00
Date Received: 03/10/23 10:20

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U F2	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 12:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 12:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*03/10/23 15:51*	*03/12/23 12:21*	*1*
o-Terphenyl	*120*		*70 - 130*	*03/10/23 15:51*	*03/12/23 12:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**208**	**B**	5.00	0.395	mg/Kg			03/10/23 17:58	1

Client Sample ID: B-25-S-1'-20230309

Lab Sample ID: 880-25768-8
Matrix: Solid
Date Collected: 03/09/23 11:10
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		03/17/23 13:09	03/18/23 14:54	1
Toluene	<0.00201	U	0.00201	0.000459	mg/Kg		03/17/23 13:09	03/18/23 14:54	1
Ethylbenzene	<0.00201	U	0.00201	0.000568	mg/Kg		03/17/23 13:09	03/18/23 14:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00102	mg/Kg		03/17/23 13:09	03/18/23 14:54	1
o-Xylene	<0.00201	U	0.00201	0.000346	mg/Kg		03/17/23 13:09	03/18/23 14:54	1
Xylenes, Total	<0.00402	U	0.00402	0.00102	mg/Kg		03/17/23 13:09	03/18/23 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*03/17/23 13:09*	*03/18/23 14:54*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*03/17/23 13:09*	*03/18/23 14:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00102	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**57.1**		50.0	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**41.4**	**J**	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 13:28	1
Diesel Range Organics (Over C10-C28)	**15.7**	**J**	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 13:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*03/10/23 15:51*	*03/12/23 13:28*	*1*
o-Terphenyl	*127*		*70 - 130*	*03/10/23 15:51*	*03/12/23 13:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**342**	**B**	5.03	0.397	mg/Kg			03/10/23 18:03	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-26-S-1'-20230309 Lab Sample ID: 880-25768-9

Date Collected: 03/09/23 11:20 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000389	mg/Kg		03/17/23 13:09	03/18/23 15:15	1
Toluene	<0.00202	U	0.00202	0.000461	mg/Kg		03/17/23 13:09	03/18/23 15:15	1
Ethylbenzene	<0.00202	U	0.00202	0.000571	mg/Kg		03/17/23 13:09	03/18/23 15:15	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00102	mg/Kg		03/17/23 13:09	03/18/23 15:15	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		03/17/23 13:09	03/18/23 15:15	1
Xylenes, Total	<0.00404	U	0.00404	0.00102	mg/Kg		03/17/23 13:09	03/18/23 15:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*03/17/23 13:09*	*03/18/23 15:15*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*03/17/23 13:09*	*03/18/23 15:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	0.00102	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 13:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 13:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*03/10/23 15:51*	*03/12/23 13:50*	*1*
o-Terphenyl	*118*		*70 - 130*	*03/10/23 15:51*	*03/12/23 13:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**202**	**B**	5.05	0.399	mg/Kg			03/10/23 18:08	1

Client Sample ID: B-27-S-1'-20230309 Lab Sample ID: 880-25768-10

Date Collected: 03/09/23 11:30 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/17/23 13:09	03/18/23 15:35	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		03/17/23 13:09	03/18/23 15:35	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		03/17/23 13:09	03/18/23 15:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		03/17/23 13:09	03/18/23 15:35	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		03/17/23 13:09	03/18/23 15:35	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		03/17/23 13:09	03/18/23 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*03/17/23 13:09*	*03/18/23 15:35*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*03/17/23 13:09*	*03/18/23 15:35*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-27-S-1'-20230309

Lab Sample ID: 880-25768-10
Matrix: Solid
Date Collected: 03/09/23 11:30
Date Received: 03/10/23 10:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**18.7**	**J**	49.9	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**18.7**	**J**	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 14:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 14:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*03/10/23 15:51*	*03/12/23 14:12*	*1*
o-Terphenyl	*123*		*70 - 130*	*03/10/23 15:51*	*03/12/23 14:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**142**	**B**	5.02	0.397	mg/Kg			03/10/23 18:13	1

Client Sample ID: B-28-S-1'-20230309

Lab Sample ID: 880-25768-11
Matrix: Solid
Date Collected: 03/09/23 11:40
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00184**	**J**	0.00199	0.000383	mg/Kg		03/17/23 13:09	03/18/23 16:59	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		03/17/23 13:09	03/18/23 16:59	1
Ethylbenzene	**0.00156**	**J**	0.00199	0.000562	mg/Kg		03/17/23 13:09	03/18/23 16:59	1
m-Xylene & p-Xylene	**0.00309**	**J**	0.00398	0.00100	mg/Kg		03/17/23 13:09	03/18/23 16:59	1
o-Xylene	**0.00113**	**J**	0.00199	0.000342	mg/Kg		03/17/23 13:09	03/18/23 16:59	1
Xylenes, Total	**0.00422**		0.00398	0.00100	mg/Kg		03/17/23 13:09	03/18/23 16:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*56*	*S1-*	*70 - 130*	*03/17/23 13:09*	*03/18/23 16:59*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*03/17/23 13:09*	*03/18/23 16:59*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00762**		0.00398	0.00100	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**30.0**	**J**	49.9	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**30.0**	**J**	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 14:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 14:34	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-28-S-1'-20230309 Lab Sample ID: 880-25768-11

Date Collected: 03/09/23 11:40 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*03/10/23 15:51*	*03/12/23 14:34*	*1*
o-Terphenyl	*117*		*70 - 130*	*03/10/23 15:51*	*03/12/23 14:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**133**	**B F1**	5.00	0.395	mg/Kg			03/10/23 18:18	1

Client Sample ID: B-29-S-1'-20230309 Lab Sample ID: 880-25768-12

Date Collected: 03/09/23 11:50 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000766**	**J**	0.00200	0.000384	mg/Kg		03/17/23 13:09	03/18/23 17:20	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		03/17/23 13:09	03/18/23 17:20	1
Ethylbenzene	**0.000640**	**J**	0.00200	0.000564	mg/Kg		03/17/23 13:09	03/18/23 17:20	1
m-Xylene & p-Xylene	**0.00146**	**J**	0.00399	0.00101	mg/Kg		03/17/23 13:09	03/18/23 17:20	1
o-Xylene	**0.000480**	**J**	0.00200	0.000343	mg/Kg		03/17/23 13:09	03/18/23 17:20	1
Xylenes, Total	**0.00194**	**J**	0.00399	0.00101	mg/Kg		03/17/23 13:09	03/18/23 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*50*	*S1-*	*70 - 130*	*03/17/23 13:09*	*03/18/23 17:20*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*03/17/23 13:09*	*03/18/23 17:20*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00335**	**J**	0.00399	0.00101	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**34.9**	**J**	50.0	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**19.9**	**J**	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 14:56	1
Diesel Range Organics (Over C10-C28)	**15.0**	**J**	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 14:56	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*03/10/23 15:51*	*03/12/23 14:56*	*1*
o-Terphenyl	*139*	*S1+*	*70 - 130*	*03/10/23 15:51*	*03/12/23 14:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**462**	**B**	4.97	0.393	mg/Kg			03/10/23 18:32	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-30-S-1'-20230309 Lab Sample ID: 880-25768-13

Date Collected: 03/09/23 12:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000386	mg/Kg		03/17/23 13:09	03/18/23 17:41	1
Toluene	<0.00200	U	0.00200	0.000457	mg/Kg		03/17/23 13:09	03/18/23 17:41	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg		03/17/23 13:09	03/18/23 17:41	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		03/17/23 13:09	03/18/23 17:41	1
o-Xylene	<0.00200	U	0.00200	0.000345	mg/Kg		03/17/23 13:09	03/18/23 17:41	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg		03/17/23 13:09	03/18/23 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*03/17/23 13:09*	*03/18/23 17:41*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*03/17/23 13:09*	*03/18/23 17:41*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	0.00101	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**63.6**		50.0	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**26.1**	**J**	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 15:18	1
Diesel Range Organics (Over C10-C28)	**37.5**	**J**	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 15:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 15:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*03/10/23 15:51*	*03/12/23 15:18*	*1*
o-Terphenyl	*139*	*S1+*	*70 - 130*	*03/10/23 15:51*	*03/12/23 15:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**212**	**B**	4.95	0.391	mg/Kg			03/10/23 18:37	1

Client Sample ID: B-31-S-1'-20230309 Lab Sample ID: 880-25768-14

Date Collected: 03/09/23 12:10 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		03/17/23 13:09	03/18/23 18:01	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		03/17/23 13:09	03/18/23 18:01	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		03/17/23 13:09	03/18/23 18:01	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:09	03/18/23 18:01	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		03/17/23 13:09	03/18/23 18:01	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:09	03/18/23 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*54*	*S1-*	*70 - 130*	*03/17/23 13:09*	*03/18/23 18:01*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*03/17/23 13:09*	*03/18/23 18:01*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-31-S-1'-20230309

Lab Sample ID: 880-25768-14
Matrix: Solid
Date Collected: 03/09/23 12:10
Date Received: 03/10/23 10:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 15:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 15:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*03/10/23 15:51*	*03/12/23 15:39*	*1*
o-Terphenyl	*121*		*70 - 130*	*03/10/23 15:51*	*03/12/23 15:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**118**	**B**	4.96	0.392	mg/Kg			03/10/23 18:51	1

Client Sample ID: B-32-S-1'-20230309

Lab Sample ID: 880-25768-15
Matrix: Solid
Date Collected: 03/09/23 12:20
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000530**	**J**	0.00201	0.000387	mg/Kg		03/17/23 13:09	03/18/23 18:22	1
Toluene	<0.00201	U	0.00201	0.000459	mg/Kg		03/17/23 13:09	03/18/23 18:22	1
Ethylbenzene	<0.00201	U	0.00201	0.000568	mg/Kg		03/17/23 13:09	03/18/23 18:22	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00102	mg/Kg		03/17/23 13:09	03/18/23 18:22	1
o-Xylene	<0.00201	U	0.00201	0.000346	mg/Kg		03/17/23 13:09	03/18/23 18:22	1
Xylenes, Total	<0.00402	U	0.00402	0.00102	mg/Kg		03/17/23 13:09	03/18/23 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*51*	*S1-*	*70 - 130*	*03/17/23 13:09*	*03/18/23 18:22*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/17/23 13:09*	*03/18/23 18:22*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00102	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**31.2**	**J**	49.9	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 16:01	1
Diesel Range Organics (Over C10-C28)	**31.2**	**J**	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 16:01	1

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Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-32-S-1'-20230309
Lab Sample ID: 880-25768-15
Date Collected: 03/09/23 12:20
Matrix: Solid
Date Received: 03/10/23 10:20

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*03/10/23 15:51*	*03/12/23 16:01*	*1*
o-Terphenyl	*118*		*70 - 130*	*03/10/23 15:51*	*03/12/23 16:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1090**	**B**	5.02	0.397	mg/Kg			03/10/23 18:56	1

Client Sample ID: B-33-S-1'-20230309
Lab Sample ID: 880-25768-16
Date Collected: 03/09/23 12:30
Matrix: Solid
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000389	mg/Kg		03/17/23 13:09	03/18/23 18:42	1
Toluene	<0.00202	U	0.00202	0.000461	mg/Kg		03/17/23 13:09	03/18/23 18:42	1
Ethylbenzene	<0.00202	U	0.00202	0.000571	mg/Kg		03/17/23 13:09	03/18/23 18:42	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00102	mg/Kg		03/17/23 13:09	03/18/23 18:42	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		03/17/23 13:09	03/18/23 18:42	1
Xylenes, Total	<0.00404	U	0.00404	0.00102	mg/Kg		03/17/23 13:09	03/18/23 18:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*03/17/23 13:09*	*03/18/23 18:42*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*03/17/23 13:09*	*03/18/23 18:42*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	0.00102	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**21.7**	**J**	49.9	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 16:23	1
Diesel Range Organics (Over C10-C28)	**21.7**	**J**	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 16:23	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*03/10/23 15:51*	*03/12/23 16:23*	*1*
o-Terphenyl	*122*		*70 - 130*	*03/10/23 15:51*	*03/12/23 16:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**481**	**B**	5.05	0.399	mg/Kg			03/10/23 19:01	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-34-S-1'-20230309 Lab Sample ID: 880-25768-17

Date Collected: 03/09/23 12:40 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/17/23 13:09	03/18/23 19:03	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		03/17/23 13:09	03/18/23 19:03	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		03/17/23 13:09	03/18/23 19:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		03/17/23 13:09	03/18/23 19:03	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		03/17/23 13:09	03/18/23 19:03	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		03/17/23 13:09	03/18/23 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*03/17/23 13:09*	*03/18/23 19:03*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*03/17/23 13:09*	*03/18/23 19:03*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**17.4**	**J**	49.9	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 17:07	1
Diesel Range Organics (Over C10-C28)	**17.4**	**J**	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 17:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*03/10/23 15:51*	*03/12/23 17:07*	*1*
o-Terphenyl	*111*		*70 - 130*	*03/10/23 15:51*	*03/12/23 17:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**830**	**B**	5.01	0.396	mg/Kg			03/11/23 09:53	1

Client Sample ID: B-35-S-1'-20230309 Lab Sample ID: 880-25768-18

Date Collected: 03/09/23 12:50 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/17/23 13:09	03/18/23 19:24	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		03/17/23 13:09	03/18/23 19:24	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		03/17/23 13:09	03/18/23 19:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		03/17/23 13:09	03/18/23 19:24	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		03/17/23 13:09	03/18/23 19:24	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		03/17/23 13:09	03/18/23 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*03/17/23 13:09*	*03/18/23 19:24*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*03/17/23 13:09*	*03/18/23 19:24*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-35-S-1'-20230309 Lab Sample ID: 880-25768-18

Date Collected: 03/09/23 12:50 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**44.8**	**J**	50.0	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**16.8**	**J**	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 17:29	1
Diesel Range Organics (Over C10-C28)	**28.0**	**J**	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 17:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 17:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*03/10/23 15:51*	*03/12/23 17:29*	*1*
o-Terphenyl	*122*		*70 - 130*	*03/10/23 15:51*	*03/12/23 17:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**118**	**B**	5.02	0.397	mg/Kg			03/10/23 19:07	1

Client Sample ID: B-36-S-1'-20230309 Lab Sample ID: 880-25768-19

Date Collected: 03/09/23 13:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		03/17/23 13:09	03/18/23 19:44	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		03/17/23 13:09	03/18/23 19:44	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		03/17/23 13:09	03/18/23 19:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:09	03/18/23 19:44	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		03/17/23 13:09	03/18/23 19:44	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:09	03/18/23 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*03/17/23 13:09*	*03/18/23 19:44*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*03/17/23 13:09*	*03/18/23 19:44*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**53.7**		50.0	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 17:51	1
Diesel Range Organics (Over C10-C28)	**37.6**	**J**	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 17:51	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-36-S-1'-20230309 Lab Sample ID: 880-25768-19

Date Collected: 03/09/23 13:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	**16.1**	**J**	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*03/10/23 15:51*	*03/12/23 17:51*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*03/10/23 15:51*	*03/12/23 17:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**198**	**B**	4.98	0.393	mg/Kg			03/10/23 19:12	1

Client Sample ID: B-37-S-1'-20230309 Lab Sample ID: 880-25768-20

Date Collected: 03/09/23 13:10 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000450**	**J**	0.00201	0.000387	mg/Kg		03/17/23 13:09	03/18/23 20:05	1
Toluene	<0.00201	U	0.00201	0.000459	mg/Kg		03/17/23 13:09	03/18/23 20:05	1
Ethylbenzene	<0.00201	U	0.00201	0.000568	mg/Kg		03/17/23 13:09	03/18/23 20:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00102	mg/Kg		03/17/23 13:09	03/18/23 20:05	1
o-Xylene	<0.00201	U	0.00201	0.000346	mg/Kg		03/17/23 13:09	03/18/23 20:05	1
Xylenes, Total	<0.00402	U	0.00402	0.00102	mg/Kg		03/17/23 13:09	03/18/23 20:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*53*	*S1-*	*70 - 130*	*03/17/23 13:09*	*03/18/23 20:05*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*03/17/23 13:09*	*03/18/23 20:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00102	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**21.6**	**J**	49.9	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 18:12	1
Diesel Range Organics (Over C10-C28)	**21.6**	**J**	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 18:12	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*03/10/23 15:51*	*03/12/23 18:12*	*1*
o-Terphenyl	*110*		*70 - 130*	*03/10/23 15:51*	*03/12/23 18:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1450**	**B**	49.9	3.94	mg/Kg			03/11/23 12:16	10

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-38-S-1'-20230309 Lab Sample ID: 880-25768-21

Date Collected: 03/09/23 13:20 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U F2 F1	0.00202	0.000388	mg/Kg		03/17/23 13:16	03/19/23 15:28	1
Toluene	<0.00202	U	0.00202	0.000460	mg/Kg		03/17/23 13:16	03/19/23 15:28	1
Ethylbenzene	<0.00202	U F1	0.00202	0.000570	mg/Kg		03/17/23 13:16	03/19/23 15:28	1
m-Xylene & p-Xylene	<0.00403	U F2 F1	0.00403	0.00102	mg/Kg		03/17/23 13:16	03/19/23 15:28	1
o-Xylene	**0.000360**	**J F1**	0.00202	0.000347	mg/Kg		03/17/23 13:16	03/19/23 15:28	1
Xylenes, Total	<0.00403	U F2 F1	0.00403	0.00102	mg/Kg		03/17/23 13:16	03/19/23 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*03/17/23 13:16*	*03/19/23 15:28*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*03/17/23 13:16*	*03/19/23 15:28*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	0.00102	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**16.5**	**J**	49.9	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**16.5**	**J**	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 18:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 18:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*03/10/23 15:51*	*03/12/23 18:34*	*1*
o-Terphenyl	*108*		*70 - 130*	*03/10/23 15:51*	*03/12/23 18:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1620**	**B F1**	25.2	1.99	mg/Kg			03/11/23 00:12	5

Client Sample ID: B-39-S-1'-20230309 Lab Sample ID: 880-25768-22

Date Collected: 03/09/23 13:30 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/17/23 13:16	03/19/23 15:49	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		03/17/23 13:16	03/19/23 15:49	1
Ethylbenzene	**0.000577**	**J**	0.00199	0.000563	mg/Kg		03/17/23 13:16	03/19/23 15:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		03/17/23 13:16	03/19/23 15:49	1
o-Xylene	**0.000904**	**J**	0.00199	0.000343	mg/Kg		03/17/23 13:16	03/19/23 15:49	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		03/17/23 13:16	03/19/23 15:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*	*03/17/23 13:16*	*03/19/23 15:49*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*03/17/23 13:16*	*03/19/23 15:49*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-39-S-1'-20230309

Lab Sample ID: 880-25768-22
Matrix: Solid
Date Collected: 03/09/23 13:30
Date Received: 03/10/23 10:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00148**	**J**	0.00398	0.00101	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**18.0**	**J**	50.0	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**18.0**	**J**	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 18:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 18:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*03/10/23 15:51*	*03/12/23 18:56*	*1*
o-Terphenyl	*128*		*70 - 130*	*03/10/23 15:51*	*03/12/23 18:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2190**	**B**	25.0	1.98	mg/Kg			03/11/23 00:26	5

Client Sample ID: B-40-S-1'-20230309

Lab Sample ID: 880-25768-23
Matrix: Solid
Date Collected: 03/09/23 00:00
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/17/23 13:16	03/19/23 16:09	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		03/17/23 13:16	03/19/23 16:09	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		03/17/23 13:16	03/19/23 16:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		03/17/23 13:16	03/19/23 16:09	1
o-Xylene	**0.000374**	**J**	0.00199	0.000342	mg/Kg		03/17/23 13:16	03/19/23 16:09	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		03/17/23 13:16	03/19/23 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*03/17/23 13:16*	*03/19/23 16:09*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*03/17/23 13:16*	*03/19/23 16:09*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 19:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 19:18	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-40-S-1'-20230309 Lab Sample ID: 880-25768-23

Date Collected: 03/09/23 00:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*03/10/23 15:51*	*03/12/23 19:18*	*1*
o-Terphenyl	*112*		*70 - 130*	*03/10/23 15:51*	*03/12/23 19:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1360**	**B**	5.05	0.399	mg/Kg			03/11/23 00:31	1

Client Sample ID: B-41-S-1'-20230309 Lab Sample ID: 880-25768-24

Date Collected: 03/09/23 00:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		03/17/23 13:16	03/19/23 16:30	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		03/17/23 13:16	03/19/23 16:30	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		03/17/23 13:16	03/19/23 16:30	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:16	03/19/23 16:30	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		03/17/23 13:16	03/19/23 16:30	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:16	03/19/23 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*03/17/23 13:16*	*03/19/23 16:30*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*03/17/23 13:16*	*03/19/23 16:30*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 19:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 19:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*03/10/23 15:51*	*03/12/23 19:41*	*1*
o-Terphenyl	*110*		*70 - 130*	*03/10/23 15:51*	*03/12/23 19:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**289**	**B**	4.95	0.391	mg/Kg			03/11/23 00:36	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-42-S-1'-20230309 Lab Sample ID: 880-25768-25

Date Collected: 03/09/23 00:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000386	mg/Kg		03/17/23 13:16	03/19/23 16:50	1
Toluene	<0.00200	U	0.00200	0.000457	mg/Kg		03/17/23 13:16	03/19/23 16:50	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg		03/17/23 13:16	03/19/23 16:50	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		03/17/23 13:16	03/19/23 16:50	1
o-Xylene	<0.00200	U	0.00200	0.000345	mg/Kg		03/17/23 13:16	03/19/23 16:50	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg		03/17/23 13:16	03/19/23 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*03/17/23 13:16*	*03/19/23 16:50*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*03/17/23 13:16*	*03/19/23 16:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	0.00101	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 20:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 20:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*03/10/23 15:51*	*03/12/23 20:03*	*1*
o-Terphenyl	*100*		*70 - 130*	*03/10/23 15:51*	*03/12/23 20:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**985**	**B**	5.03	0.397	mg/Kg			03/11/23 00:41	1

Client Sample ID: B-43-S-1'-20230309 Lab Sample ID: 880-25768-26

Date Collected: 03/09/23 00:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000837**	**J**	0.00199	0.000383	mg/Kg		03/17/23 13:16	03/19/23 17:10	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		03/17/23 13:16	03/19/23 17:10	1
Ethylbenzene	**0.00265**		0.00199	0.000563	mg/Kg		03/17/23 13:16	03/19/23 17:10	1
m-Xylene & p-Xylene	**0.00206**	**J**	0.00398	0.00101	mg/Kg		03/17/23 13:16	03/19/23 17:10	1
o-Xylene	**0.00164**	**J**	0.00199	0.000343	mg/Kg		03/17/23 13:16	03/19/23 17:10	1
Xylenes, Total	**0.00370**	**J**	0.00398	0.00101	mg/Kg		03/17/23 13:16	03/19/23 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*	*03/17/23 13:16*	*03/19/23 17:10*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/17/23 13:16*	*03/19/23 17:10*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-43-S-1'-20230309 Lab Sample ID: 880-25768-26

Date Collected: 03/09/23 00:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00719**		0.00398	0.00101	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 20:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 20:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 20:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*03/10/23 15:51*	*03/12/23 20:25*	*1*
o-Terphenyl	*103*		*70 - 130*	*03/10/23 15:51*	*03/12/23 20:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**918**	**B**	5.05	0.399	mg/Kg			03/11/23 00:55	1

Client Sample ID: B-44-S-1'-20230309 Lab Sample ID: 880-25768-27

Date Collected: 03/09/23 00:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/17/23 13:16	03/19/23 17:31	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		03/17/23 13:16	03/19/23 17:31	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		03/17/23 13:16	03/19/23 17:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		03/17/23 13:16	03/19/23 17:31	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		03/17/23 13:16	03/19/23 17:31	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		03/17/23 13:16	03/19/23 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*03/17/23 13:16*	*03/19/23 17:31*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*03/17/23 13:16*	*03/19/23 17:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**20.3**	**J**	49.9	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**20.3**	**J B *-**	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 12:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 12:21	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-44-S-1'-20230309 Lab Sample ID: 880-25768-27

Date Collected: 03/09/23 00:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 12:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*03/10/23 15:48*	*03/12/23 12:21*	*1*
o-Terphenyl	*95*		*70 - 130*	*03/10/23 15:48*	*03/12/23 12:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**129**	**B**	4.98	0.393	mg/Kg			03/11/23 01:00	1

Client Sample ID: B-45-S-1'-20230309 Lab Sample ID: 880-25768-28

Date Collected: 03/09/23 00:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		03/17/23 13:16	03/19/23 17:51	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		03/17/23 13:16	03/19/23 17:51	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		03/17/23 13:16	03/19/23 17:51	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:16	03/19/23 17:51	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		03/17/23 13:16	03/19/23 17:51	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:16	03/19/23 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*03/17/23 13:16*	*03/19/23 17:51*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*03/17/23 13:16*	*03/19/23 17:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**22.7**	**J**	49.9	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**22.7**	**J B *-**	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 13:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 13:28	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*03/10/23 15:48*	*03/12/23 13:28*	*1*
o-Terphenyl	*93*		*70 - 130*	*03/10/23 15:48*	*03/12/23 13:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**298**	**B**	4.96	0.392	mg/Kg			03/11/23 01:05	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-46-S-1'-20230309 Lab Sample ID: 880-25768-29

Date Collected: 03/09/23 00:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		03/17/23 13:16	03/19/23 18:12	1
Toluene	<0.00201	U	0.00201	0.000459	mg/Kg		03/17/23 13:16	03/19/23 18:12	1
Ethylbenzene	<0.00201	U	0.00201	0.000568	mg/Kg		03/17/23 13:16	03/19/23 18:12	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00102	mg/Kg		03/17/23 13:16	03/19/23 18:12	1
o-Xylene	<0.00201	U	0.00201	0.000346	mg/Kg		03/17/23 13:16	03/19/23 18:12	1
Xylenes, Total	<0.00402	U	0.00402	0.00102	mg/Kg		03/17/23 13:16	03/19/23 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*03/17/23 13:16*	*03/19/23 18:12*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*03/17/23 13:16*	*03/19/23 18:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00102	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**26.0**	**J**	49.9	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**26.0**	**J B *-**	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 13:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 13:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*03/10/23 15:48*	*03/12/23 13:50*	*1*
o-Terphenyl	*91*		*70 - 130*	*03/10/23 15:48*	*03/12/23 13:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**213**	**B**	5.01	0.396	mg/Kg			03/11/23 01:10	1

Client Sample ID: B-47-S-1'-20230309 Lab Sample ID: 880-25768-30

Date Collected: 03/09/23 00:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		03/17/23 13:16	03/19/23 18:32	1
Toluene	<0.00201	U	0.00201	0.000458	mg/Kg		03/17/23 13:16	03/19/23 18:32	1
Ethylbenzene	<0.00201	U	0.00201	0.000567	mg/Kg		03/17/23 13:16	03/19/23 18:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg		03/17/23 13:16	03/19/23 18:32	1
o-Xylene	<0.00201	U	0.00201	0.000345	mg/Kg		03/17/23 13:16	03/19/23 18:32	1
Xylenes, Total	<0.00402	U	0.00402	0.00101	mg/Kg		03/17/23 13:16	03/19/23 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*03/17/23 13:16*	*03/19/23 18:32*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*03/17/23 13:16*	*03/19/23 18:32*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-47-S-1'-20230309 Lab Sample ID: 880-25768-30

Date Collected: 03/09/23 00:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00101	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**24.0**	**J**	49.9	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**24.0**	**J B *-**	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 14:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 14:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*03/10/23 15:48*	*03/12/23 14:12*	*1*
o-Terphenyl	*88*		*70 - 130*	*03/10/23 15:48*	*03/12/23 14:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**674**	**B**	4.97	0.393	mg/Kg			03/11/23 01:15	1

Client Sample ID: B-48-S-1'-20230309 Lab Sample ID: 880-25768-31

Date Collected: 03/09/23 00:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/17/23 13:16	03/19/23 20:22	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		03/17/23 13:16	03/19/23 20:22	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		03/17/23 13:16	03/19/23 20:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		03/17/23 13:16	03/19/23 20:22	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		03/17/23 13:16	03/19/23 20:22	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		03/17/23 13:16	03/19/23 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/17/23 13:16*	*03/19/23 20:22*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*03/17/23 13:16*	*03/19/23 20:22*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**25.5**	**J**	50.0	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**25.5**	**J B *-**	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 14:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 14:34	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-48-S-1'-20230309 Lab Sample ID: 880-25768-31

Date Collected: 03/09/23 00:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*03/10/23 15:48*	*03/12/23 14:34*	*1*
o-Terphenyl	*88*		*70 - 130*	*03/10/23 15:48*	*03/12/23 14:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**755**	**B**	4.95	0.391	mg/Kg			03/11/23 01:19	1

Client Sample ID: B-49-S-1'-20230309 Lab Sample ID: 880-25768-32

Date Collected: 03/09/23 00:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		03/17/23 13:16	03/19/23 20:42	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		03/17/23 13:16	03/19/23 20:42	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		03/17/23 13:16	03/19/23 20:42	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:16	03/19/23 20:42	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		03/17/23 13:16	03/19/23 20:42	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:16	03/19/23 20:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*03/17/23 13:16*	*03/19/23 20:42*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*03/17/23 13:16*	*03/19/23 20:42*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**41.7**	**J**	49.9	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**41.7**	**J B *-**	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 14:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 14:56	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*03/10/23 15:48*	*03/12/23 14:56*	*1*
o-Terphenyl	*104*		*70 - 130*	*03/10/23 15:48*	*03/12/23 14:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**357**	**B**	5.04	0.398	mg/Kg			03/11/23 01:34	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-50-S-1'-20230309

Lab Sample ID: 880-25768-33
Matrix: Solid
Date Collected: 03/09/23 00:00
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/17/23 13:16	03/19/23 21:03	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		03/17/23 13:16	03/19/23 21:03	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		03/17/23 13:16	03/19/23 21:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		03/17/23 13:16	03/19/23 21:03	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		03/17/23 13:16	03/19/23 21:03	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		03/17/23 13:16	03/19/23 21:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*03/17/23 13:16*	*03/19/23 21:03*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*03/17/23 13:16*	*03/19/23 21:03*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**23.1**	**J**	49.9	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**23.1**	**J B *-**	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 15:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 15:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 15:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*03/10/23 15:48*	*03/12/23 15:18*	*1*
o-Terphenyl	*86*		*70 - 130*	*03/10/23 15:48*	*03/12/23 15:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1040**	**B**	5.02	0.397	mg/Kg			03/11/23 01:39	1

Client Sample ID: B-51-S-1'-20230309

Lab Sample ID: 880-25768-34
Matrix: Solid
Date Collected: 03/09/23 15:30
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000381	mg/Kg		03/17/23 13:16	03/19/23 21:23	1
Toluene	<0.00198	U	0.00198	0.000451	mg/Kg		03/17/23 13:16	03/19/23 21:23	1
Ethylbenzene	<0.00198	U	0.00198	0.000559	mg/Kg		03/17/23 13:16	03/19/23 21:23	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00100	mg/Kg		03/17/23 13:16	03/19/23 21:23	1
o-Xylene	<0.00198	U	0.00198	0.000341	mg/Kg		03/17/23 13:16	03/19/23 21:23	1
Xylenes, Total	<0.00396	U	0.00396	0.00100	mg/Kg		03/17/23 13:16	03/19/23 21:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*03/17/23 13:16*	*03/19/23 21:23*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*03/17/23 13:16*	*03/19/23 21:23*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-51-S-1'-20230309

Lab Sample ID: 880-25768-34
Matrix: Solid
Date Collected: 03/09/23 15:30
Date Received: 03/10/23 10:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	0.00100	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**27.6**	**J**	49.9	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**27.6**	**J B *-**	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 15:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 15:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*03/10/23 15:48*	*03/12/23 15:39*	*1*
o-Terphenyl	*90*		*70 - 130*	*03/10/23 15:48*	*03/12/23 15:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**272**	**B**	4.99	0.394	mg/Kg			03/11/23 01:53	1

Client Sample ID: B-52-S-1'-20230309

Lab Sample ID: 880-25768-35
Matrix: Solid
Date Collected: 03/09/23 15:40
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000386	mg/Kg		03/17/23 13:16	03/19/23 21:43	1
Toluene	<0.00200	U	0.00200	0.000457	mg/Kg		03/17/23 13:16	03/19/23 21:43	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg		03/17/23 13:16	03/19/23 21:43	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		03/17/23 13:16	03/19/23 21:43	1
o-Xylene	<0.00200	U	0.00200	0.000345	mg/Kg		03/17/23 13:16	03/19/23 21:43	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg		03/17/23 13:16	03/19/23 21:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*03/17/23 13:16*	*03/19/23 21:43*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*03/17/23 13:16*	*03/19/23 21:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	0.00101	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**25.7**	**J**	50.0	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**25.7**	**J B *-**	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 16:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 16:01	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-52-S-1'-20230309 Lab Sample ID: 880-25768-35

Date Collected: 03/09/23 15:40 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*03/10/23 15:48*	*03/12/23 16:01*	*1*
o-Terphenyl	*90*		*70 - 130*	*03/10/23 15:48*	*03/12/23 16:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**168**	**B**	4.97	0.393	mg/Kg			03/11/23 01:58	1

Client Sample ID: B-53-S-1'-20230309 Lab Sample ID: 880-25768-36

Date Collected: 03/09/23 15:50 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		03/17/23 13:16	03/19/23 22:04	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		03/17/23 13:16	03/19/23 22:04	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		03/17/23 13:16	03/19/23 22:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:16	03/19/23 22:04	1
o-Xylene	**0.000469**	**J**	0.00200	0.000343	mg/Kg		03/17/23 13:16	03/19/23 22:04	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:16	03/19/23 22:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*03/17/23 13:16*	*03/19/23 22:04*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*03/17/23 13:16*	*03/19/23 22:04*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**25.3**	**J**	50.0	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**25.3**	**J B *-**	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 16:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 16:23	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*03/10/23 15:48*	*03/12/23 16:23*	*1*
o-Terphenyl	*89*		*70 - 130*	*03/10/23 15:48*	*03/12/23 16:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**602**	**B**	5.00	0.395	mg/Kg			03/11/23 02:03	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-54-S-1'-20230309

Lab Sample ID: 880-25768-37
Matrix: Solid
Date Collected: 03/09/23 16:00
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/17/23 13:16	03/19/23 22:24	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		03/17/23 13:16	03/19/23 22:24	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		03/17/23 13:16	03/19/23 22:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		03/17/23 13:16	03/19/23 22:24	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		03/17/23 13:16	03/19/23 22:24	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		03/17/23 13:16	03/19/23 22:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/17/23 13:16*	*03/19/23 22:24*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*03/17/23 13:16*	*03/19/23 22:24*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**29.2**	**J**	50.0	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**29.2**	**J B *-**	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 17:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 17:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*03/10/23 15:48*	*03/12/23 17:07*	*1*
o-Terphenyl	*100*		*70 - 130*	*03/10/23 15:48*	*03/12/23 17:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**814**	**B**	4.96	0.392	mg/Kg			03/11/23 02:08	1

Client Sample ID: B-55-S-1'-20230309

Lab Sample ID: 880-25768-38
Matrix: Solid
Date Collected: 03/09/23 16:10
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/17/23 13:16	03/19/23 22:45	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		03/17/23 13:16	03/19/23 22:45	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		03/17/23 13:16	03/19/23 22:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		03/17/23 13:16	03/19/23 22:45	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		03/17/23 13:16	03/19/23 22:45	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		03/17/23 13:16	03/19/23 22:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*70 - 130*	*03/17/23 13:16*	*03/19/23 22:45*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*03/17/23 13:16*	*03/19/23 22:45*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-55-S-1'-20230309

Lab Sample ID: 880-25768-38
Matrix: Solid
Date Collected: 03/09/23 16:10
Date Received: 03/10/23 10:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**17.7**	**J**	49.9	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**17.7**	**J B *-**	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 17:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 17:29	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 17:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*03/10/23 15:48*	*03/12/23 17:29*	*1*
o-Terphenyl	*83*		*70 - 130*	*03/10/23 15:48*	*03/12/23 17:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**141**	**B**	5.05	0.399	mg/Kg			03/11/23 02:13	1

Client Sample ID: B-56-S-1'-20230309

Lab Sample ID: 880-25768-39
Matrix: Solid
Date Collected: 03/09/23 16:20
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		03/17/23 13:16	03/19/23 23:05	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		03/17/23 13:16	03/19/23 23:05	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		03/17/23 13:16	03/19/23 23:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:16	03/19/23 23:05	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		03/17/23 13:16	03/19/23 23:05	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:16	03/19/23 23:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*03/17/23 13:16*	*03/19/23 23:05*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*03/17/23 13:16*	*03/19/23 23:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**22.2**	**J**	50.0	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**22.2**	**J B *-**	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 17:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 17:51	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-56-S-1'-20230309 Lab Sample ID: 880-25768-39

Date Collected: 03/09/23 16:20 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*03/10/23 15:48*	*03/12/23 17:51*	*1*
o-Terphenyl	*86*		*70 - 130*	*03/10/23 15:48*	*03/12/23 17:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1670**	**B**	25.1	1.98	mg/Kg			03/11/23 02:17	5

Client Sample ID: B-57-S-1'-20230309 Lab Sample ID: 880-25768-40

Date Collected: 03/09/23 16:30 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000448**	**J**	0.00201	0.000387	mg/Kg		03/17/23 13:16	03/19/23 23:25	1
Toluene	**0.000716**	**J**	0.00201	0.000459	mg/Kg		03/17/23 13:16	03/19/23 23:25	1
Ethylbenzene	**0.00139**	**J**	0.00201	0.000568	mg/Kg		03/17/23 13:16	03/19/23 23:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00102	mg/Kg		03/17/23 13:16	03/19/23 23:25	1
o-Xylene	**0.00207**		0.00201	0.000346	mg/Kg		03/17/23 13:16	03/19/23 23:25	1
Xylenes, Total	**0.00207**	**J**	0.00402	0.00102	mg/Kg		03/17/23 13:16	03/19/23 23:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*03/17/23 13:16*	*03/19/23 23:25*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*03/17/23 13:16*	*03/19/23 23:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00462**		0.00402	0.00102	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**24.9**	**J**	49.9	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**24.9**	**J B *-**	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 18:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 18:12	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*03/10/23 15:48*	*03/12/23 18:12*	*1*
o-Terphenyl	*88*		*70 - 130*	*03/10/23 15:48*	*03/12/23 18:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**183**	**B**	5.01	0.396	mg/Kg			03/11/23 02:22	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-58-S-1'-20230309 Lab Sample ID: 880-25768-41

Date Collected: 03/09/23 16:40 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/20/23 08:52	03/20/23 13:14	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		03/20/23 08:52	03/20/23 13:14	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		03/20/23 08:52	03/20/23 13:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		03/20/23 08:52	03/20/23 13:14	1
o-Xylene	**0.000477**	**J**	0.00199	0.000342	mg/Kg		03/20/23 08:52	03/20/23 13:14	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		03/20/23 08:52	03/20/23 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*03/20/23 08:52*	*03/20/23 13:14*	*1*
1,4-Difluorobenzene (Surr)	*62*	*S1-*	*70 - 130*	*03/20/23 08:52*	*03/20/23 13:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			03/20/23 16:30	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**24.0**	**J**	49.9	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**24.0**	**J B *-**	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 18:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 18:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*03/10/23 15:48*	*03/12/23 18:34*	*1*
o-Terphenyl	*90*		*70 - 130*	*03/10/23 15:48*	*03/12/23 18:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**212**		4.97	0.393	mg/Kg			03/11/23 14:34	1

Client Sample ID: B-59-S-1'-20230309 Lab Sample ID: 880-25768-42

Date Collected: 03/09/23 16:50 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		03/20/23 08:52	03/20/23 13:35	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		03/20/23 08:52	03/20/23 13:35	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		03/20/23 08:52	03/20/23 13:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		03/20/23 08:52	03/20/23 13:35	1
o-Xylene	**0.000384**	**J**	0.00200	0.000343	mg/Kg		03/20/23 08:52	03/20/23 13:35	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		03/20/23 08:52	03/20/23 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*70 - 130*	*03/20/23 08:52*	*03/20/23 13:35*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*03/20/23 08:52*	*03/20/23 13:35*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-59-S-1'-20230309

Lab Sample ID: 880-25768-42
Matrix: Solid
Date Collected: 03/09/23 16:50
Date Received: 03/10/23 10:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			03/20/23 16:30	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**26.3**	**J**	49.9	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**26.3**	**J B *-**	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 18:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 18:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*03/10/23 15:48*	*03/12/23 18:56*	*1*
o-Terphenyl	*100*		*70 - 130*	*03/10/23 15:48*	*03/12/23 18:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**699**		5.02	0.397	mg/Kg			03/11/23 14:38	1

Client Sample ID: SW-3B-S-0-1'-20230314

Lab Sample ID: 880-25966-1
Matrix: Solid
Date Collected: 03/14/23 12:00
Date Received: 03/15/23 11:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/16/23 09:01	03/16/23 20:12	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		03/16/23 09:01	03/16/23 20:12	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		03/16/23 09:01	03/16/23 20:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		03/16/23 09:01	03/16/23 20:12	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		03/16/23 09:01	03/16/23 20:12	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		03/16/23 09:01	03/16/23 20:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*68*	*S1-*	*70 - 130*	*03/16/23 09:01*	*03/16/23 20:12*	*1*
1,4-Difluorobenzene (Surr)	*68*	*S1-*	*70 - 130*	*03/16/23 09:01*	*03/16/23 20:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**84.1**		50.0	15.0	mg/Kg			03/17/23 15:55	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**32.7**	**J**	50.0	15.0	mg/Kg		03/16/23 14:57	03/16/23 22:15	1
Diesel Range Organics (Over C10-C28)	**51.4**		50.0	15.0	mg/Kg		03/16/23 14:57	03/16/23 22:15	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: SW-3B-S-0-1'-20230314 Lab Sample ID: 880-25966-1

Date Collected: 03/14/23 12:00 **Matrix: Solid**
Date Received: 03/15/23 11:53

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/16/23 14:57	03/16/23 22:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*03/16/23 14:57*	*03/16/23 22:15*	*1*
o-Terphenyl	*109*		*70 - 130*	*03/16/23 14:57*	*03/16/23 22:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**77.6**		5.00	0.395	mg/Kg			03/17/23 06:45	1

Client Sample ID: SW-1B-S-0-2'-20230320 Lab Sample ID: 880-26151-1

Date Collected: 03/20/23 15:20 **Matrix: Solid**
Date Received: 03/21/23 08:10

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000381	mg/Kg		03/21/23 09:28	03/21/23 15:30	1
Toluene	<0.00198	U	0.00198	0.000451	mg/Kg		03/21/23 09:28	03/21/23 15:30	1
Ethylbenzene	<0.00198	U	0.00198	0.000559	mg/Kg		03/21/23 09:28	03/21/23 15:30	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00100	mg/Kg		03/21/23 09:28	03/21/23 15:30	1
o-Xylene	<0.00198	U	0.00198	0.000341	mg/Kg		03/21/23 09:28	03/21/23 15:30	1
Xylenes, Total	<0.00396	U	0.00396	0.00100	mg/Kg		03/21/23 09:28	03/21/23 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*03/21/23 09:28*	*03/21/23 15:30*	*1*
1,4-Difluorobenzene (Surr)	*70*		*70 - 130*	*03/21/23 09:28*	*03/21/23 15:30*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	0.00100	mg/Kg			03/21/23 17:33	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**58.0**		50.0	15.0	mg/Kg			03/22/23 11:30	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**38.8**	**J B**	50.0	15.0	mg/Kg		03/21/23 09:05	03/21/23 19:13	1
Diesel Range Organics (Over C10-C28)	**19.2**	**J**	50.0	15.0	mg/Kg		03/21/23 09:05	03/21/23 19:13	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/21/23 09:05	03/21/23 19:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*03/21/23 09:05*	*03/21/23 19:13*	*1*
o-Terphenyl	*93*		*70 - 130*	*03/21/23 09:05*	*03/21/23 19:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**46.5**		5.04	0.398	mg/Kg			03/21/23 15:16	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: L-11-5-0-6' 20230131 — Lab Sample ID: 890-4002-1
Date Collected: 01/31/23 12:10 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.2		5.00		mg/Kg			02/03/23 15:27	1

Client Sample ID: L-12-5-0-6' 20230131 — Lab Sample ID: 890-4002-2
Date Collected: 01/31/23 12:20 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.3		4.99		mg/Kg			02/03/23 15:41	1

Client Sample ID: L-13-5-0-6' 20230131 — Lab Sample ID: 890-4002-3
Date Collected: 01/31/23 12:30 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	211		4.97		mg/Kg			02/03/23 15:46	1

Client Sample ID: L-14-5-0-6' 20230131 — Lab Sample ID: 890-4002-4
Date Collected: 01/31/23 13:40 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	571		5.05		mg/Kg			02/03/23 15:51	1

Client Sample ID: L-15-5-0-6' 20230131 — Lab Sample ID: 890-4002-5
Date Collected: 01/31/23 13:50 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	378		4.99		mg/Kg			02/03/23 15:55	1

Client Sample ID: L-16-5-0-6' 20230131 — Lab Sample ID: 890-4002-6
Date Collected: 01/31/23 12:40 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.9		5.01		mg/Kg			02/03/23 16:09	1

Client Sample ID: L-17-5-0-6' 20230131 — Lab Sample ID: 890-4002-7
Date Collected: 01/31/23 12:50 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.2		4.97		mg/Kg			02/03/23 16:14	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: L-18-5-0-6' 20230131 Lab Sample ID: 890-4002-8
Date Collected: 01/31/23 13:00 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	612		4.98		mg/Kg			02/03/23 16:19	1

Client Sample ID: L-19-5-0-6' 20230131 Lab Sample ID: 890-4002-9
Date Collected: 01/31/23 13:10 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	232		4.95		mg/Kg			02/03/23 16:23	1

Client Sample ID: L-20-5-0-6' 20230131 Lab Sample ID: 890-4002-10
Date Collected: 01/31/23 13:30 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	121		5.02		mg/Kg			02/03/23 16:28	1

Client Sample ID: L-21-5-0-6' 20230131 Lab Sample ID: 890-4002-11
Date Collected: 01/31/23 14:20 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			02/03/23 16:33	1

Client Sample ID: L-1-5-0-6' 20230131 Lab Sample ID: 890-4002-13
Date Collected: 01/31/23 11:00 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			02/03/23 16:51	1

Client Sample ID: L-2-5-0-6' 20230131 Lab Sample ID: 890-4002-14
Date Collected: 01/31/23 11:10 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	909		5.02		mg/Kg			02/03/23 17:05	1

Client Sample ID: L-3-5-0-6' 20230131 Lab Sample ID: 890-4002-15
Date Collected: 01/31/23 10:50 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.0		4.95		mg/Kg			02/03/23 17:10	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: L-5-5-0-6' 20230131 — Lab Sample ID: 890-4002-16
Date Collected: 01/31/23 11:20 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	204		5.00		mg/Kg			02/03/23 17:15	1

Client Sample ID: L-6-5-0-6' 20230131 — Lab Sample ID: 890-4002-17
Date Collected: 01/31/23 14:10 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57.7		4.95		mg/Kg			02/03/23 17:19	1

Client Sample ID: L-7-5-0-6' 20230131 — Lab Sample ID: 890-4002-18
Date Collected: 01/31/23 11:30 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			02/03/23 17:24	1

Client Sample ID: L-8-5-0-6' 20230131 — Lab Sample ID: 890-4002-19
Date Collected: 01/31/23 11:40 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/03/23 17:29	1

Client Sample ID: L-9-5-0-6' 20230131 — Lab Sample ID: 890-4002-20
Date Collected: 01/31/23 11:50 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			02/03/23 17:33	1

Client Sample ID: L-10-5-0-6' 20230131 — Lab Sample ID: 890-4002-21
Date Collected: 01/31/23 12:00 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	149		5.00		mg/Kg			02/03/23 20:39	1

Client Sample ID: SW-1-S-0-2'- 20230307 — Lab Sample ID: 890-4261-1
Date Collected: 03/07/23 10:00 **Matrix: Solid**
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000381	mg/Kg		03/10/23 11:09	03/10/23 17:39	1
Toluene	<0.00198	U	0.00198	0.000451	mg/Kg		03/10/23 11:09	03/10/23 17:39	1
Ethylbenzene	<0.00198	U	0.00198	0.000559	mg/Kg		03/10/23 11:09	03/10/23 17:39	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00100	mg/Kg		03/10/23 11:09	03/10/23 17:39	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: SW-1-S-0-2'- 20230307

Lab Sample ID: 890-4261-1
Matrix: Solid
Date Collected: 03/07/23 10:00
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**0.000400**	**J**	0.00198	0.000341	mg/Kg		03/10/23 11:09	03/10/23 17:39	1
Xylenes, Total	<0.00396	U	0.00396	0.00100	mg/Kg		03/10/23 11:09	03/10/23 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*03/10/23 11:09*	*03/10/23 17:39*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*03/10/23 11:09*	*03/10/23 17:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	0.00100	mg/Kg			03/13/23 18:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**157**		50.0	15.0	mg/Kg			03/13/23 16:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**31.1**	**J B**	50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 14:56	1
Diesel Range Organics (Over C10-C28)	**126**		50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 14:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*03/10/23 13:27*	*03/11/23 14:56*	*1*
o-Terphenyl	*109*		*70 - 130*	*03/10/23 13:27*	*03/11/23 14:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**85.5**	**F1**	4.95	0.391	mg/Kg			03/10/23 12:00	1

Client Sample ID: SW-2-S-0-2'- 20230307

Lab Sample ID: 890-4261-2
Matrix: Solid
Date Collected: 03/07/23 10:10
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/10/23 11:09	03/10/23 18:00	1
Toluene	**0.000708**	**J**	0.00199	0.000454	mg/Kg		03/10/23 11:09	03/10/23 18:00	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		03/10/23 11:09	03/10/23 18:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		03/10/23 11:09	03/10/23 18:00	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		03/10/23 11:09	03/10/23 18:00	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		03/10/23 11:09	03/10/23 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*03/10/23 11:09*	*03/10/23 18:00*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*03/10/23 11:09*	*03/10/23 18:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			03/13/23 18:25	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: SW-2-S-0-2'- 20230307

Lab Sample ID: 890-4261-2
Matrix: Solid
Date Collected: 03/07/23 10:10
Date Received: 03/08/23 16:12

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**39.6**	**J**	49.9	15.0	mg/Kg			03/13/23 16:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 15:19	1
Diesel Range Organics (Over C10-C28)	**39.6**	**J**	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 15:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*03/10/23 13:27*	*03/11/23 15:19*	*1*
o-Terphenyl	*90*		*70 - 130*	*03/10/23 13:27*	*03/11/23 15:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**135**		4.98	0.393	mg/Kg			03/10/23 12:14	1

Client Sample ID: SW-3-S-0-2'- 20230307

Lab Sample ID: 890-4261-3
Matrix: Solid
Date Collected: 03/07/23 10:20
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/10/23 11:09	03/10/23 18:20	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		03/10/23 11:09	03/10/23 18:20	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		03/10/23 11:09	03/10/23 18:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		03/10/23 11:09	03/10/23 18:20	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		03/10/23 11:09	03/10/23 18:20	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		03/10/23 11:09	03/10/23 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*03/10/23 11:09*	*03/10/23 18:20*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*03/10/23 11:09*	*03/10/23 18:20*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			03/13/23 18:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**25.9**	**J**	49.9	15.0	mg/Kg			03/13/23 16:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**25.9**	**J B**	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 15:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 15:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*03/10/23 13:27*	*03/11/23 15:41*	*1*

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Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: SW-3-S-0-2'- 20230307

Lab Sample ID: 890-4261-3
Matrix: Solid
Date Collected: 03/07/23 10:20
Date Received: 03/08/23 16:12

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*102*		*70 - 130*	*03/10/23 13:27*	*03/11/23 15:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**756**		4.97	0.393	mg/Kg			03/10/23 12:19	1

Client Sample ID: B-1-S-2'-2-20230307

Lab Sample ID: 890-4261-4
Matrix: Solid
Date Collected: 03/07/23 10:30
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/09/23 10:44	03/10/23 12:51	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		03/09/23 10:44	03/10/23 12:51	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		03/09/23 10:44	03/10/23 12:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		03/09/23 10:44	03/10/23 12:51	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		03/09/23 10:44	03/10/23 12:51	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		03/09/23 10:44	03/10/23 12:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*	*03/09/23 10:44*	*03/10/23 12:51*	*1*
1,4-Difluorobenzene (Surr)	*60*	*S1-*	*70 - 130*	*03/09/23 10:44*	*03/10/23 12:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			03/10/23 17:20	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**23.3**	**J**	50.0	15.0	mg/Kg			03/13/23 16:53	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**23.3**	**J**	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 13:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 13:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*03/09/23 15:59*	*03/10/23 13:53*	*1*
o-Terphenyl	*93*		*70 - 130*	*03/09/23 15:59*	*03/10/23 13:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**133**		4.96	0.392	mg/Kg			03/10/23 12:24	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-2-S-2'-2-20230307

Lab Sample ID: 890-4261-5
Matrix: Solid
Date Collected: 03/07/23 10:40
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		03/09/23 10:44	03/10/23 13:11	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		03/09/23 10:44	03/10/23 13:11	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		03/09/23 10:44	03/10/23 13:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		03/09/23 10:44	03/10/23 13:11	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		03/09/23 10:44	03/10/23 13:11	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		03/09/23 10:44	03/10/23 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*03/09/23 10:44*	*03/10/23 13:11*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*03/09/23 10:44*	*03/10/23 13:11*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			03/10/23 17:20	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.0	mg/Kg			03/13/23 16:53	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 14:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 14:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*03/09/23 15:59*	*03/10/23 14:16*	*1*
o-Terphenyl	*90*		*70 - 130*	*03/09/23 15:59*	*03/10/23 14:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**97.5**		4.95	0.391	mg/Kg			03/10/23 12:29	1

Client Sample ID: B-3-S-2'-2-20230307

Lab Sample ID: 890-4261-6
Matrix: Solid
Date Collected: 03/07/23 10:50
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000428**	**J**	0.00199	0.000383	mg/Kg		03/09/23 10:44	03/10/23 13:32	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		03/09/23 10:44	03/10/23 13:32	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		03/09/23 10:44	03/10/23 13:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		03/09/23 10:44	03/10/23 13:32	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		03/09/23 10:44	03/10/23 13:32	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		03/09/23 10:44	03/10/23 13:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*45*	*S1-*	*70 - 130*	*03/09/23 10:44*	*03/10/23 13:32*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*03/09/23 10:44*	*03/10/23 13:32*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-3-S-2'-2-20230307
Date Collected: 03/07/23 10:50
Date Received: 03/08/23 16:12

Lab Sample ID: 890-4261-6
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			03/10/23 17:20	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.0	mg/Kg			03/13/23 16:53	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 14:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 14:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*03/09/23 15:59*	*03/10/23 14:37*	*1*
o-Terphenyl	*112*		*70 - 130*	*03/09/23 15:59*	*03/10/23 14:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**55.9**		4.97	0.393	mg/Kg			03/10/23 12:43	1

Client Sample ID: B-4-S-2'-2-20230307
Date Collected: 03/07/23 11:00
Date Received: 03/08/23 16:12

Lab Sample ID: 890-4261-7
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		03/09/23 10:44	03/10/23 13:53	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		03/09/23 10:44	03/10/23 13:53	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		03/09/23 10:44	03/10/23 13:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		03/09/23 10:44	03/10/23 13:53	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		03/09/23 10:44	03/10/23 13:53	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		03/09/23 10:44	03/10/23 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*03/09/23 10:44*	*03/10/23 13:53*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*03/09/23 10:44*	*03/10/23 13:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			03/10/23 17:20	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**38.7**	**J**	50.0	15.0	mg/Kg			03/13/23 16:53	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**19.7**	**J**	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 15:00	1
Diesel Range Organics (Over C10-C28)	**19.0**	**J**	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 15:00	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-4-S-2'-2-20230307 Lab Sample ID: 890-4261-7

Date Collected: 03/07/23 11:00 **Matrix: Solid**
Date Received: 03/08/23 16:12

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*03/09/23 15:59*	*03/10/23 15:00*	*1*
o-Terphenyl	*107*		*70 - 130*	*03/09/23 15:59*	*03/10/23 15:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**444**		5.01	0.396	mg/Kg			03/10/23 12:48	1

Client Sample ID: B-5-S-1'-2-2-20230307 Lab Sample ID: 890-4261-8

Date Collected: 03/07/23 11:10 **Matrix: Solid**
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		03/09/23 10:44	03/10/23 14:14	1
Toluene	<0.00201	U	0.00201	0.000459	mg/Kg		03/09/23 10:44	03/10/23 14:14	1
Ethylbenzene	<0.00201	U	0.00201	0.000568	mg/Kg		03/09/23 10:44	03/10/23 14:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00102	mg/Kg		03/09/23 10:44	03/10/23 14:14	1
o-Xylene	<0.00201	U	0.00201	0.000346	mg/Kg		03/09/23 10:44	03/10/23 14:14	1
Xylenes, Total	<0.00402	U	0.00402	0.00102	mg/Kg		03/09/23 10:44	03/10/23 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*03/09/23 10:44*	*03/10/23 14:14*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*03/09/23 10:44*	*03/10/23 14:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00102	mg/Kg			03/10/23 17:20	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.0	mg/Kg			03/13/23 16:53	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 15:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 15:44	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*03/09/23 15:59*	*03/10/23 15:44*	*1*
o-Terphenyl	*90*		*70 - 130*	*03/09/23 15:59*	*03/10/23 15:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**332**		4.99	0.394	mg/Kg			03/10/23 12:53	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-6-S-1'-2'-2-20230307

Lab Sample ID: 890-4261-9
Matrix: Solid
Date Collected: 03/07/23 11:20
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000386	mg/Kg		03/09/23 10:44	03/10/23 14:35	1
Toluene	<0.00200	U	0.00200	0.000457	mg/Kg		03/09/23 10:44	03/10/23 14:35	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg		03/09/23 10:44	03/10/23 14:35	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		03/09/23 10:44	03/10/23 14:35	1
o-Xylene	<0.00200	U	0.00200	0.000345	mg/Kg		03/09/23 10:44	03/10/23 14:35	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg		03/09/23 10:44	03/10/23 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*03/09/23 10:44*	*03/10/23 14:35*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*03/09/23 10:44*	*03/10/23 14:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	0.00101	mg/Kg			03/10/23 17:20	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.0	mg/Kg			03/13/23 16:53	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 16:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 16:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 16:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*03/09/23 15:59*	*03/10/23 16:07*	*1*
o-Terphenyl	*95*		*70 - 130*	*03/09/23 15:59*	*03/10/23 16:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**308**		4.97	0.393	mg/Kg			03/10/23 12:58	1

Client Sample ID: B-7-S-1'-2-20230307

Lab Sample ID: 890-4261-10
Matrix: Solid
Date Collected: 03/07/23 11:30
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		03/10/23 11:09	03/10/23 18:40	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		03/10/23 11:09	03/10/23 18:40	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		03/10/23 11:09	03/10/23 18:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		03/10/23 11:09	03/10/23 18:40	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		03/10/23 11:09	03/10/23 18:40	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		03/10/23 11:09	03/10/23 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*03/10/23 11:09*	*03/10/23 18:40*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*03/10/23 11:09*	*03/10/23 18:40*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-7-S-1'-2-20230307

Lab Sample ID: 890-4261-10
Matrix: Solid
Date Collected: 03/07/23 11:30
Date Received: 03/08/23 16:12

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			03/13/23 18:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**45.0**	**J**	49.9	15.0	mg/Kg			03/13/23 16:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**17.9**	**J B**	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 16:03	1
Diesel Range Organics (Over C10-C28)	**27.1**	**J**	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 16:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 16:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*03/10/23 13:27*	*03/11/23 16:03*	*1*
o-Terphenyl	*93*		*70 - 130*	*03/10/23 13:27*	*03/11/23 16:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1470**		24.8	1.96	mg/Kg			03/10/23 13:03	5

Client Sample ID: B-8-S-1'-2-20230307

Lab Sample ID: 890-4261-11
Matrix: Solid
Date Collected: 03/07/23 11:40
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000532**	**J**	0.00199	0.000383	mg/Kg		03/10/23 11:09	03/10/23 22:33	1
Toluene	**0.00151**	**J**	0.00199	0.000454	mg/Kg		03/10/23 11:09	03/10/23 22:33	1
Ethylbenzene	**0.00157**	**J**	0.00199	0.000563	mg/Kg		03/10/23 11:09	03/10/23 22:33	1
m-Xylene & p-Xylene	**0.00451**		0.00398	0.00101	mg/Kg		03/10/23 11:09	03/10/23 22:33	1
o-Xylene	**0.00218**		0.00199	0.000343	mg/Kg		03/10/23 11:09	03/10/23 22:33	1
Xylenes, Total	**0.00669**		0.00398	0.00101	mg/Kg		03/10/23 11:09	03/10/23 22:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/10/23 11:09*	*03/10/23 22:33*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*03/10/23 11:09*	*03/10/23 22:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0103**		0.00398	0.00101	mg/Kg			03/13/23 18:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**51.4**		49.9	15.0	mg/Kg			03/13/23 16:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**24.1**	**J B**	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 16:47	1
Diesel Range Organics (Over C10-C28)	**27.3**	**J**	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 16:47	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-8-S-1'-2-20230307 Lab Sample ID: 890-4261-11

Date Collected: 03/07/23 11:40 **Matrix: Solid**
Date Received: 03/08/23 16:12

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*03/10/23 13:27*	*03/11/23 16:47*	*1*
o-Terphenyl	*100*		*70 - 130*	*03/10/23 13:27*	*03/11/23 16:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1160**		5.00	0.395	mg/Kg			03/10/23 13:07	1

Client Sample ID: B-9-S-1'-2-20230307 Lab Sample ID: 890-4261-12

Date Collected: 03/07/23 11:50 **Matrix: Solid**
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/10/23 11:09	03/10/23 22:53	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		03/10/23 11:09	03/10/23 22:53	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		03/10/23 11:09	03/10/23 22:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		03/10/23 11:09	03/10/23 22:53	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		03/10/23 11:09	03/10/23 22:53	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		03/10/23 11:09	03/10/23 22:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*03/10/23 11:09*	*03/10/23 22:53*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*03/10/23 11:09*	*03/10/23 22:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			03/13/23 18:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**24.5**	**J**	50.0	15.0	mg/Kg			03/13/23 16:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**24.5**	**J B**	50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 17:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 17:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*03/10/23 13:27*	*03/11/23 17:10*	*1*
o-Terphenyl	*95*		*70 - 130*	*03/10/23 13:27*	*03/11/23 17:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1130**		5.04	0.398	mg/Kg			03/10/23 13:22	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-10-S-1'-20230307

Lab Sample ID: 890-4261-13
Matrix: Solid
Date Collected: 03/07/23 12:00
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000973**	**J**	0.00200	0.000384	mg/Kg		03/10/23 11:09	03/10/23 23:14	1
Toluene	**0.00170**	**J**	0.00200	0.000455	mg/Kg		03/10/23 11:09	03/10/23 23:14	1
Ethylbenzene	**0.00170**	**J**	0.00200	0.000564	mg/Kg		03/10/23 11:09	03/10/23 23:14	1
m-Xylene & p-Xylene	**0.00407**		0.00399	0.00101	mg/Kg		03/10/23 11:09	03/10/23 23:14	1
o-Xylene	**0.00299**		0.00200	0.000343	mg/Kg		03/10/23 11:09	03/10/23 23:14	1
Xylenes, Total	**0.00706**		0.00399	0.00101	mg/Kg		03/10/23 11:09	03/10/23 23:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*03/10/23 11:09*	*03/10/23 23:14*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*03/10/23 11:09*	*03/10/23 23:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0114**		0.00399	0.00101	mg/Kg			03/13/23 18:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**46.6**	**J**	50.0	15.0	mg/Kg			03/13/23 16:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**46.6**	**J B**	50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 17:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 17:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*03/10/23 13:27*	*03/11/23 17:32*	*1*
o-Terphenyl	*102*		*70 - 130*	*03/10/23 13:27*	*03/11/23 17:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1050**		4.97	0.393	mg/Kg			03/10/23 13:27	1

Client Sample ID: B-11-S-1'-20230307

Lab Sample ID: 890-4261-14
Matrix: Solid
Date Collected: 03/07/23 12:10
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000386	mg/Kg		03/10/23 11:09	03/10/23 23:34	1
Toluene	**0.000487**	**J**	0.00200	0.000457	mg/Kg		03/10/23 11:09	03/10/23 23:34	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg		03/10/23 11:09	03/10/23 23:34	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		03/10/23 11:09	03/10/23 23:34	1
o-Xylene	**0.000559**	**J**	0.00200	0.000345	mg/Kg		03/10/23 11:09	03/10/23 23:34	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg		03/10/23 11:09	03/10/23 23:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*03/10/23 11:09*	*03/10/23 23:34*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*03/10/23 11:09*	*03/10/23 23:34*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-11-S-1'-20230307

Lab Sample ID: 890-4261-14
Matrix: Solid
Date Collected: 03/07/23 12:10
Date Received: 03/08/23 16:12

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00105**	**J**	0.00401	0.00101	mg/Kg			03/13/23 18:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**41.7**	**J**	49.9	15.0	mg/Kg			03/13/23 16:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**25.7**	**J B**	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 17:54	1
Diesel Range Organics (Over C10-C28)	**16.0**	**J**	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 17:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*03/10/23 13:27*	*03/11/23 17:54*	*1*
o-Terphenyl	*105*		*70 - 130*	*03/10/23 13:27*	*03/11/23 17:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**581**		5.00	0.395	mg/Kg			03/10/23 13:41	1

Client Sample ID: B-12-S-1'-20230307

Lab Sample ID: 890-4261-15
Matrix: Solid
Date Collected: 03/07/23 12:50
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/10/23 11:09	03/10/23 23:54	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		03/10/23 11:09	03/10/23 23:54	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		03/10/23 11:09	03/10/23 23:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		03/10/23 11:09	03/10/23 23:54	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		03/10/23 11:09	03/10/23 23:54	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		03/10/23 11:09	03/10/23 23:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*03/10/23 11:09*	*03/10/23 23:54*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*03/10/23 11:09*	*03/10/23 23:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			03/13/23 18:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**63.4**		49.9	15.0	mg/Kg			03/13/23 16:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**28.8**	**J B**	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 18:16	1
Diesel Range Organics (Over C10-C28)	**34.6**	**J**	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 18:16	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-12-S-1'-20230307
Date Collected: 03/07/23 12:50
Date Received: 03/08/23 16:12

Lab Sample ID: 890-4261-15
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*03/10/23 13:27*	*03/11/23 18:16*	*1*
o-Terphenyl	*106*		*70 - 130*	*03/10/23 13:27*	*03/11/23 18:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1190**		4.99	0.394	mg/Kg			03/10/23 13:46	1

Client Sample ID: B-13-S-1'-20230307
Date Collected: 03/07/23 13:00
Date Received: 03/08/23 16:12

Lab Sample ID: 890-4261-16
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/10/23 11:09	03/11/23 00:15	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		03/10/23 11:09	03/11/23 00:15	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		03/10/23 11:09	03/11/23 00:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		03/10/23 11:09	03/11/23 00:15	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		03/10/23 11:09	03/11/23 00:15	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		03/10/23 11:09	03/11/23 00:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*03/10/23 11:09*	*03/11/23 00:15*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*03/10/23 11:09*	*03/11/23 00:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			03/13/23 18:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**18.9**	**J**	50.0	15.0	mg/Kg			03/13/23 16:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**18.9**	**J B**	50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 18:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 18:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*03/10/23 13:27*	*03/11/23 18:38*	*1*
o-Terphenyl	*97*		*70 - 130*	*03/10/23 13:27*	*03/11/23 18:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**364**		5.01	0.396	mg/Kg			03/10/23 13:51	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-14-S-1'-20230307 Lab Sample ID: 890-4261-17

Date Collected: 03/07/23 13:10 **Matrix: Solid**
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/10/23 11:09	03/11/23 00:35	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		03/10/23 11:09	03/11/23 00:35	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		03/10/23 11:09	03/11/23 00:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		03/10/23 11:09	03/11/23 00:35	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		03/10/23 11:09	03/11/23 00:35	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		03/10/23 11:09	03/11/23 00:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*03/10/23 11:09*	*03/11/23 00:35*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/10/23 11:09*	*03/11/23 00:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			03/13/23 18:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**45.3**	**J**	49.9	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**45.3**	**J B**	49.9	15.0	mg/Kg		03/09/23 17:23	03/13/23 05:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/09/23 17:23	03/13/23 05:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/09/23 17:23	03/13/23 05:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*03/09/23 17:23*	*03/13/23 05:02*	*1*
o-Terphenyl	*93*		*70 - 130*	*03/09/23 17:23*	*03/13/23 05:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**768**		4.98	0.393	mg/Kg			03/10/23 13:56	1

Client Sample ID: B-15-S-1'-20230307 Lab Sample ID: 890-4261-18

Date Collected: 03/07/23 13:20 **Matrix: Solid**
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/10/23 11:09	03/11/23 00:56	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		03/10/23 11:09	03/11/23 00:56	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		03/10/23 11:09	03/11/23 00:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		03/10/23 11:09	03/11/23 00:56	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		03/10/23 11:09	03/11/23 00:56	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		03/10/23 11:09	03/11/23 00:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*03/10/23 11:09*	*03/11/23 00:56*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*03/10/23 11:09*	*03/11/23 00:56*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-15-S-1'-20230307 Lab Sample ID: 890-4261-18

Date Collected: 03/07/23 13:20 **Matrix: Solid**
Date Received: 03/08/23 16:12

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			03/13/23 18:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**27.0**	**J**	49.8	14.9	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**27.0**	**J B**	49.8	14.9	mg/Kg		03/09/23 17:23	03/13/23 05:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	14.9	mg/Kg		03/09/23 17:23	03/13/23 05:24	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		03/09/23 17:23	03/13/23 05:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*03/09/23 17:23*	*03/13/23 05:24*	*1*
o-Terphenyl	*84*		*70 - 130*	*03/09/23 17:23*	*03/13/23 05:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**177**		5.03	0.397	mg/Kg			03/10/23 14:01	1

Client Sample ID: B-16-S-1'-20230307 Lab Sample ID: 890-4261-19

Date Collected: 03/07/23 13:30 **Matrix: Solid**
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		03/10/23 11:09	03/11/23 01:16	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		03/10/23 11:09	03/11/23 01:16	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		03/10/23 11:09	03/11/23 01:16	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		03/10/23 11:09	03/11/23 01:16	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		03/10/23 11:09	03/11/23 01:16	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		03/10/23 11:09	03/11/23 01:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*03/10/23 11:09*	*03/11/23 01:16*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/10/23 11:09*	*03/11/23 01:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			03/13/23 18:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**37.7**	**J**	50.0	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**37.7**	**J B**	50.0	15.0	mg/Kg		03/09/23 17:23	03/13/23 05:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 17:23	03/13/23 05:45	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-16-S-1'-20230307 Lab Sample ID: 890-4261-19

Date Collected: 03/07/23 13:30 **Matrix: Solid**
Date Received: 03/08/23 16:12

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 17:23	03/13/23 05:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*03/09/23 17:23*	*03/13/23 05:45*	*1*
o-Terphenyl	*94*		*70 - 130*	*03/09/23 17:23*	*03/13/23 05:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**575**		5.00	0.395	mg/Kg			03/10/23 14:06	1

Client Sample ID: B-17-S-1'-20230307 Lab Sample ID: 890-4261-20

Date Collected: 03/07/23 13:40 **Matrix: Solid**
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		03/10/23 11:09	03/11/23 01:36	1
Toluene	<0.00201	U	0.00201	0.000458	mg/Kg		03/10/23 11:09	03/11/23 01:36	1
Ethylbenzene	<0.00201	U	0.00201	0.000567	mg/Kg		03/10/23 11:09	03/11/23 01:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg		03/10/23 11:09	03/11/23 01:36	1
o-Xylene	<0.00201	U	0.00201	0.000345	mg/Kg		03/10/23 11:09	03/11/23 01:36	1
Xylenes, Total	<0.00402	U	0.00402	0.00101	mg/Kg		03/10/23 11:09	03/11/23 01:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*03/10/23 11:09*	*03/11/23 01:36*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*03/10/23 11:09*	*03/11/23 01:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00101	mg/Kg			03/13/23 18:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		03/09/23 17:23	03/13/23 06:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 17:23	03/13/23 06:07	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 17:23	03/13/23 06:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*03/09/23 17:23*	*03/13/23 06:07*	*1*
o-Terphenyl	*81*		*70 - 130*	*03/09/23 17:23*	*03/13/23 06:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**393**		4.99	0.394	mg/Kg			03/10/23 14:10	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-18-S-1'-20230307

Lab Sample ID: 890-4261-21
Matrix: Solid
Date Collected: 03/07/23 13:50
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		03/09/23 10:06	03/13/23 19:17	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		03/09/23 10:06	03/13/23 19:17	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		03/09/23 10:06	03/13/23 19:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		03/09/23 10:06	03/13/23 19:17	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		03/09/23 10:06	03/13/23 19:17	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		03/09/23 10:06	03/13/23 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*03/09/23 10:06*	*03/13/23 19:17*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*03/09/23 10:06*	*03/13/23 19:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			03/15/23 17:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**34.8**	**J**	49.9	15.0	mg/Kg			03/13/23 16:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**34.8**	**J B**	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 19:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 19:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*03/10/23 13:27*	*03/11/23 19:00*	*1*
o-Terphenyl	*108*		*70 - 130*	*03/10/23 13:27*	*03/11/23 19:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1320**	**F1**	25.2	1.99	mg/Kg			03/10/23 15:04	5

Client Sample ID: B-19-S-1'-20230307

Lab Sample ID: 890-4261-22
Matrix: Solid
Date Collected: 03/07/23 14:00
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000468**	**J**	0.00201	0.000387	mg/Kg		03/09/23 10:06	03/13/23 19:37	1
Toluene	<0.00201	U	0.00201	0.000459	mg/Kg		03/09/23 10:06	03/13/23 19:37	1
Ethylbenzene	<0.00201	U	0.00201	0.000568	mg/Kg		03/09/23 10:06	03/13/23 19:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00102	mg/Kg		03/09/23 10:06	03/13/23 19:37	1
o-Xylene	**0.000396**	**J**	0.00201	0.000346	mg/Kg		03/09/23 10:06	03/13/23 19:37	1
Xylenes, Total	<0.00402	U	0.00402	0.00102	mg/Kg		03/09/23 10:06	03/13/23 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*03/09/23 10:06*	*03/13/23 19:37*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*03/09/23 10:06*	*03/13/23 19:37*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-19-S-1'-20230307

Lab Sample ID: 890-4261-22
Matrix: Solid
Date Collected: 03/07/23 14:00
Date Received: 03/08/23 16:12

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00102	mg/Kg			03/15/23 17:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**37.9**	**J**	49.9	15.0	mg/Kg			03/13/23 16:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**37.9**	**J B**	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 19:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 19:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*03/10/23 13:27*	*03/11/23 19:22*	*1*
o-Terphenyl	*115*		*70 - 130*	*03/10/23 13:27*	*03/11/23 19:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1280**		5.01	0.396	mg/Kg			03/10/23 15:18	1

Client Sample ID: B-20-S-1'-20230307

Lab Sample ID: 890-4261-23
Matrix: Solid
Date Collected: 03/07/23 14:10
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000389	mg/Kg		03/09/23 10:06	03/13/23 19:58	1
Toluene	<0.00202	U	0.00202	0.000461	mg/Kg		03/09/23 10:06	03/13/23 19:58	1
Ethylbenzene	<0.00202	U	0.00202	0.000571	mg/Kg		03/09/23 10:06	03/13/23 19:58	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00102	mg/Kg		03/09/23 10:06	03/13/23 19:58	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		03/09/23 10:06	03/13/23 19:58	1
Xylenes, Total	<0.00404	U	0.00404	0.00102	mg/Kg		03/09/23 10:06	03/13/23 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*03/09/23 10:06*	*03/13/23 19:58*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*03/09/23 10:06*	*03/13/23 19:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	0.00102	mg/Kg			03/15/23 17:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**50.8**		50.0	15.0	mg/Kg			03/13/23 16:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**30.9**	**J B**	50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 19:44	1
Diesel Range Organics (Over C10-C28)	**19.9**	**J**	50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 19:44	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-20-S-1'-20230307 Lab Sample ID: 890-4261-23
Date Collected: 03/07/23 14:10 **Matrix: Solid**
Date Received: 03/08/23 16:12

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*03/10/23 13:27*	*03/11/23 19:44*	*1*
o-Terphenyl	*107*		*70 - 130*	*03/10/23 13:27*	*03/11/23 19:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**671**		4.98	0.393	mg/Kg			03/10/23 15:23	1

Client Sample ID: B-21-S-1'-20230307 Lab Sample ID: 890-4261-24
Date Collected: 03/07/23 14:20 **Matrix: Solid**
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/09/23 10:06	03/13/23 20:18	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		03/09/23 10:06	03/13/23 20:18	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		03/09/23 10:06	03/13/23 20:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		03/09/23 10:06	03/13/23 20:18	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		03/09/23 10:06	03/13/23 20:18	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		03/09/23 10:06	03/13/23 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*03/09/23 10:06*	*03/13/23 20:18*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*03/09/23 10:06*	*03/13/23 20:18*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			03/15/23 17:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**24.4**	**J**	49.9	15.0	mg/Kg			03/13/23 16:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**24.4**	**J B**	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 20:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 20:05	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 20:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*03/10/23 13:27*	*03/11/23 20:05*	*1*
o-Terphenyl	*101*		*70 - 130*	*03/10/23 13:27*	*03/11/23 20:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2210**		25.1	1.98	mg/Kg			03/10/23 15:28	5

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-25768-1	SW-4-S-0-1'-20230309	93	92
880-25768-1 MS	SW-4-S-0-1'-20230309	111	87
880-25768-1 MSD	SW-4-S-0-1'-20230309	108	90
880-25768-2	SW-5-S-0-1'-20230309	98	89
880-25768-3	SW-6-S-0-1'-20230309	79	73
880-25768-4	SW-7-S-0-1'-20230309	108	84
880-25768-5	B-22-S-1'-20230309	49 S1-	88
880-25768-6	B-23-S-1'-20230309	101	89
880-25768-7	B-24-S-1'-20230309	104	91
880-25768-8	B-25-S-1'-20230309	105	91
880-25768-9	B-26-S-1'-20230309	103	89
880-25768-10	B-27-S-1'-20230309	79	74
880-25768-11	B-28-S-1'-20230309	56 S1-	107
880-25768-12	B-29-S-1'-20230309	50 S1-	98
880-25768-13	B-30-S-1'-20230309	112	89
880-25768-14	B-31-S-1'-20230309	54 S1-	87
880-25768-15	B-32-S-1'-20230309	51 S1-	100
880-25768-16	B-33-S-1'-20230309	107	84
880-25768-17	B-34-S-1'-20230309	93	80
880-25768-18	B-35-S-1'-20230309	111	85
880-25768-19	B-36-S-1'-20230309	112	87
880-25768-20	B-37-S-1'-20230309	53 S1-	110
880-25768-21	B-38-S-1'-20230309	100	90
880-25768-21 MS	B-38-S-1'-20230309	117	102
880-25768-21 MSD	B-38-S-1'-20230309	87	104
880-25768-22	B-39-S-1'-20230309	80	95
880-25768-23	B-40-S-1'-20230309	85	88
880-25768-24	B-41-S-1'-20230309	103	90
880-25768-25	B-42-S-1'-20230309	100	92
880-25768-26	B-43-S-1'-20230309	76	100
880-25768-27	B-44-S-1'-20230309	92	91
880-25768-28	B-45-S-1'-20230309	79	91
880-25768-29	B-46-S-1'-20230309	101	96
880-25768-30	B-47-S-1'-20230309	99	92
880-25768-31	B-48-S-1'-20230309	97	90
880-25768-32	B-49-S-1'-20230309	104	93
880-25768-33	B-50-S-1'-20230309	104	92
880-25768-34	B-51-S-1'-20230309	101	93
880-25768-35	B-52-S-1'-20230309	79	94
880-25768-36	B-53-S-1'-20230309	81	90
880-25768-37	B-54-S-1'-20230309	98	96
880-25768-38	B-55-S-1'-20230309	75	94
880-25768-39	B-56-S-1'-20230309	95	95
880-25768-40	B-57-S-1'-20230309	78	97
880-25768-41	B-58-S-1'-20230309	81	62 S1-
880-25768-42	B-59-S-1'-20230309	72	73
880-25966-1	SW-3B-S-0-1'-20230314	68 S1-	68 S1-
880-26151-1	SW-1B-S-0-2'-20230320	90	70
890-4261-1	SW-1-S-0-2'- 20230307	111	105

Surrogate Summary

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-4261-1 MS	SW-1-S-0-2'- 20230307	117	113
890-4261-1 MSD	SW-1-S-0-2'- 20230307	114	106
890-4261-2	SW-2-S-0-2'- 20230307	114	99
890-4261-3	SW-3-S-0-2'- 20230307	122	102
890-4261-4	B-1-S-2'-2-20230307	80	60 S1-
890-4261-5	B-2-S-2'-2-20230307	125	88
890-4261-6	B-3-S-2'-2-20230307	45 S1-	82
890-4261-7	B-4-S-2'-2-20230307	132 S1+	82
890-4261-8	B-5-S-1'-2-2-20230307	130	75
890-4261-9	B-6-S-1'-2'-2-20230307	128	73
890-4261-10	B-7-S-1'-2-20230307	124	103
890-4261-11	B-8-S-1'-2-20230307	98	95
890-4261-12	B-9-S-1'-2-20230307	119	105
890-4261-13	B-10-S-1'-20230307	99	107
890-4261-14	B-11-S-1'-20230307	110	97
890-4261-15	B-12-S-1'-20230307	119	105
890-4261-16	B-13-S-1'-20230307	113	106
890-4261-17	B-14-S-1'-20230307	113	100
890-4261-18	B-15-S-1'-20230307	108	99
890-4261-19	B-16-S-1'-20230307	114	100
890-4261-20	B-17-S-1'-20230307	113	96
890-4261-21	B-18-S-1'-20230307	99	96
890-4261-22	B-19-S-1'-20230307	77	88
890-4261-23	B-20-S-1'-20230307	96	89
890-4261-24	B-21-S-1'-20230307	105	96
LCS 880-48192/1-A	Lab Control Sample	93	102
LCS 880-48199/1-A	Lab Control Sample	117	81
LCS 880-48309/1-A	Lab Control Sample	117	111
LCS 880-48712/1-A	Lab Control Sample	88	112
LCS 880-48843/1-A	Lab Control Sample	110	91
LCS 880-48844/1-A	Lab Control Sample	102	93
LCS 880-48951/1-A	Lab Control Sample	85	91
LCS 880-49091/1-A	Lab Control Sample	86	107
LCSD 880-48192/2-A	Lab Control Sample Dup	93	103
LCSD 880-48199/2-A	Lab Control Sample Dup	112	88
LCSD 880-48309/2-A	Lab Control Sample Dup	116	114
LCSD 880-48712/2-A	Lab Control Sample Dup	107	91
LCSD 880-48843/2-A	Lab Control Sample Dup	103	95
LCSD 880-48844/2-A	Lab Control Sample Dup	102	96
LCSD 880-48951/2-A	Lab Control Sample Dup	83	109
LCSD 880-49091/2-A	Lab Control Sample Dup	91	93
MB 880-48192/5-A	Method Blank	93	95
MB 880-48199/5-A	Method Blank	103	74
MB 880-48309/5-A	Method Blank	103	100
MB 880-48712/5-A	Method Blank	70	89
MB 880-48843/5-A	Method Blank	88	83
MB 880-48844/5-A	Method Blank	92	89
MB 880-48951/5-A	Method Blank	72	86
MB 880-49091/5-A	Method Blank	72	75

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-25768-1	SW-4-S-0-1'-20230309	100	108
880-25768-2	SW-5-S-0-1'-20230309	101	109
880-25768-3	SW-6-S-0-1'-20230309	113	125
880-25768-4	SW-7-S-0-1'-20230309	93	100
880-25768-5	B-22-S-1'-20230309	113	122
880-25768-6	B-23-S-1'-20230309	113	119
880-25768-7	B-24-S-1'-20230309	91	120
880-25768-7 MS	B-24-S-1'-20230309	120	140 S1+
880-25768-7 MSD	B-24-S-1'-20230309	97	116
880-25768-8	B-25-S-1'-20230309	103	127
880-25768-9	B-26-S-1'-20230309	90	118
880-25768-10	B-27-S-1'-20230309	93	123
880-25768-11	B-28-S-1'-20230309	91	117
880-25768-12	B-29-S-1'-20230309	109	139 S1+
880-25768-13	B-30-S-1'-20230309	109	139 S1+
880-25768-14	B-31-S-1'-20230309	92	121
880-25768-15	B-32-S-1'-20230309	89	118
880-25768-16	B-33-S-1'-20230309	92	122
880-25768-17	B-34-S-1'-20230309	89	111
880-25768-18	B-35-S-1'-20230309	92	122
880-25768-19	B-36-S-1'-20230309	105	133 S1+
880-25768-20	B-37-S-1'-20230309	86	110
880-25768-21	B-38-S-1'-20230309	86	108
880-25768-22	B-39-S-1'-20230309	103	128
880-25768-23	B-40-S-1'-20230309	87	112
880-25768-24	B-41-S-1'-20230309	86	110
880-25768-25	B-42-S-1'-20230309	81	100
880-25768-26	B-43-S-1'-20230309	83	103
880-25768-27	B-44-S-1'-20230309	90	95
880-25768-27 MS	B-44-S-1'-20230309	105	92
880-25768-27 MSD	B-44-S-1'-20230309	99	88
880-25768-28	B-45-S-1'-20230309	88	93
880-25768-29	B-46-S-1'-20230309	89	91
880-25768-30	B-47-S-1'-20230309	85	88
880-25768-31	B-48-S-1'-20230309	87	88
880-25768-32	B-49-S-1'-20230309	105	104
880-25768-33	B-50-S-1'-20230309	85	86
880-25768-34	B-51-S-1'-20230309	87	90
880-25768-35	B-52-S-1'-20230309	88	90
880-25768-36	B-53-S-1'-20230309	85	89
880-25768-37	B-54-S-1'-20230309	99	100
880-25768-38	B-55-S-1'-20230309	82	83
880-25768-39	B-56-S-1'-20230309	84	86
880-25768-40	B-57-S-1'-20230309	85	88
880-25768-41	B-58-S-1'-20230309	88	90
880-25768-42	B-59-S-1'-20230309	100	100

Surrogate Summary

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
880-25966-1	SW-3B-S-0-1'-20230314	97	109								
880-26151-1	SW-1B-S-0-2'-20230320	99	93								
890-4261-1	SW-1-S-0-2'- 20230307	104	109								
890-4261-2	SW-2-S-0-2'- 20230307	84	90								
890-4261-3	SW-3-S-0-2'- 20230307	98	102								
890-4261-4	B-1-S-2'-2-20230307	81	93								
890-4261-5	B-2-S-2'-2-20230307	79	90								
890-4261-6	B-3-S-2'-2-20230307	100	112								
890-4261-7	B-4-S-2'-2-20230307	97	107								
890-4261-8	B-5-S-1'-2-2-20230307	81	90								
890-4261-9	B-6-S-1'-2'-2-20230307	86	95								
890-4261-10	B-7-S-1'-2-20230307	87	93								
890-4261-11	B-8-S-1'-2-20230307	98	100								
890-4261-12	B-9-S-1'-2-20230307	89	95								
890-4261-13	B-10-S-1'-20230307	103	102								
890-4261-14	B-11-S-1'-20230307	103	105								
890-4261-15	B-12-S-1'-20230307	103	106								
890-4261-16	B-13-S-1'-20230307	90	97								
890-4261-17	B-14-S-1'-20230307	94	93								
890-4261-18	B-15-S-1'-20230307	81	84								
890-4261-19	B-16-S-1'-20230307	95	94								
890-4261-20	B-17-S-1'-20230307	84	81								
890-4261-21	B-18-S-1'-20230307	102	108								
890-4261-22	B-19-S-1'-20230307	104	115								
890-4261-23	B-20-S-1'-20230307	102	107								
890-4261-24	B-21-S-1'-20230307	86	101								
LCS 880-48252/2-A	Lab Control Sample	87	98								
LCS 880-48262/2-A	Lab Control Sample	89	82								
LCS 880-48322/2-A	Lab Control Sample	106	98								
LCS 880-48343/2-A	Lab Control Sample	107	115								
LCS 880-48345/2-A	Lab Control Sample	81	84								
LCS 880-48346/2-A	Lab Control Sample	81	103								
LCS 880-48780/2-A	Lab Control Sample	110	123								
LCS 880-49012/2-A	Lab Control Sample	90	99								
LCSD 880-48252/3-A	Lab Control Sample Dup	87	98								
LCSD 880-48262/3-A	Lab Control Sample Dup	101	94								
LCSD 880-48322/3-A	Lab Control Sample Dup	108	105								
LCSD 880-48343/3-A	Lab Control Sample Dup	101	106								
LCSD 880-48345/3-A	Lab Control Sample Dup	90	88								
LCSD 880-48346/3-A	Lab Control Sample Dup	86	110								
LCSD 880-48780/3-A	Lab Control Sample Dup	108	120								
LCSD 880-49012/3-A	Lab Control Sample Dup	101	112								
MB 880-48252/1-A	Method Blank	117	132 S1+								
MB 880-48262/1-A	Method Blank	137 S1+	144 S1+								
MB 880-48322/1-A	Method Blank	121	129								
MB 880-48343/1-A	Method Blank	144 S1+	163 S1+								
MB 880-48345/1-A	Method Blank	121	129								
MB 880-48346/1-A	Method Blank	116	157 S1+								
MB 880-48780/1-A	Method Blank	109	129								
MB 880-49012/1-A	Method Blank	128	133 S1+								

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-48192/5-A
Matrix: Solid
Analysis Batch: 48425

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48192

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		03/09/23 10:06	03/13/23 11:51	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		03/09/23 10:06	03/13/23 11:51	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		03/09/23 10:06	03/13/23 11:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		03/09/23 10:06	03/13/23 11:51	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		03/09/23 10:06	03/13/23 11:51	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		03/09/23 10:06	03/13/23 11:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*03/09/23 10:06*	*03/13/23 11:51*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*03/09/23 10:06*	*03/13/23 11:51*	*1*

Lab Sample ID: LCS 880-48192/1-A
Matrix: Solid
Analysis Batch: 48425

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48192

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08568		mg/Kg		86	70 - 130
Toluene	0.100	0.08848		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.08317		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	0.200	0.1706		mg/Kg		85	70 - 130
o-Xylene	0.100	0.08409		mg/Kg		84	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-48192/2-A
Matrix: Solid
Analysis Batch: 48425

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48192

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08482		mg/Kg		85	70 - 130	1	35
Toluene	0.100	0.08647		mg/Kg		86	70 - 130	2	35
Ethylbenzene	0.100	0.08262		mg/Kg		83	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1696		mg/Kg		85	70 - 130	1	35
o-Xylene	0.100	0.08441		mg/Kg		84	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: MB 880-48199/5-A
Matrix: Solid
Analysis Batch: 48285

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48199

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		03/09/23 10:44	03/10/23 12:08	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		03/09/23 10:44	03/10/23 12:08	1

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-48199/5-A
Matrix: Solid
Analysis Batch: 48285

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48199

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		03/09/23 10:44	03/10/23 12:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		03/09/23 10:44	03/10/23 12:08	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		03/09/23 10:44	03/10/23 12:08	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		03/09/23 10:44	03/10/23 12:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*03/09/23 10:44*	*03/10/23 12:08*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*03/09/23 10:44*	*03/10/23 12:08*	*1*

Lab Sample ID: LCS 880-48199/1-A
Matrix: Solid
Analysis Batch: 48285

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48199

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09279		mg/Kg		93	70 - 130
Toluene	0.100	0.1003		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.1067		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	0.200	0.2127		mg/Kg		106	70 - 130
o-Xylene	0.100	0.1080		mg/Kg		108	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*

Lab Sample ID: LCSD 880-48199/2-A
Matrix: Solid
Analysis Batch: 48285

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48199

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08991		mg/Kg		90	70 - 130	3	35
Toluene	0.100	0.09432		mg/Kg		94	70 - 130	6	35
Ethylbenzene	0.100	0.09333		mg/Kg		93	70 - 130	13	35
m-Xylene & p-Xylene	0.200	0.1870		mg/Kg		93	70 - 130	13	35
o-Xylene	0.100	0.09417		mg/Kg		94	70 - 130	14	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*

Lab Sample ID: MB 880-48309/5-A
Matrix: Solid
Analysis Batch: 48323

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48309

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		03/10/23 11:09	03/10/23 17:11	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		03/10/23 11:09	03/10/23 17:11	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		03/10/23 11:09	03/10/23 17:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		03/10/23 11:09	03/10/23 17:11	1

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-48309/5-A
Matrix: Solid
Analysis Batch: 48323

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48309

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		03/10/23 11:09	03/10/23 17:11	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		03/10/23 11:09	03/10/23 17:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*03/10/23 11:09*	*03/10/23 17:11*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/10/23 11:09*	*03/10/23 17:11*	*1*

Lab Sample ID: LCS 880-48309/1-A
Matrix: Solid
Analysis Batch: 48323

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48309

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1064		mg/Kg		106	70 - 130
Toluene	0.100	0.1009		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.1043		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	0.200	0.2219		mg/Kg		111	70 - 130
o-Xylene	0.100	0.1064		mg/Kg		106	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: LCSD 880-48309/2-A
Matrix: Solid
Analysis Batch: 48323

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48309

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1087		mg/Kg		109	70 - 130	2	35
Toluene	0.100	0.1023		mg/Kg		102	70 - 130	1	35
Ethylbenzene	0.100	0.1042		mg/Kg		104	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.2209		mg/Kg		110	70 - 130	0	35
o-Xylene	0.100	0.1061		mg/Kg		106	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*

Lab Sample ID: 890-4261-1 MS
Matrix: Solid
Analysis Batch: 48323

Client Sample ID: SW-1-S-0-2'- 20230307
Prep Type: Total/NA
Prep Batch: 48309

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.0998	0.1022		mg/Kg		102	70 - 130
Toluene	<0.00198	U	0.0998	0.09697		mg/Kg		97	70 - 130
Ethylbenzene	<0.00198	U	0.0998	0.09675		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	<0.00396	U	0.200	0.2050		mg/Kg		103	70 - 130
o-Xylene	0.000400	J	0.0998	0.1010		mg/Kg		101	70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-4261-1 MS
Matrix: Solid
Analysis Batch: 48323

Client Sample ID: SW-1-S-0-2'- 20230307
Prep Type: Total/NA
Prep Batch: 48309

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: 890-4261-1 MSD
Matrix: Solid
Analysis Batch: 48323

Client Sample ID: SW-1-S-0-2'- 20230307
Prep Type: Total/NA
Prep Batch: 48309

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.100	0.08124		mg/Kg		81	70 - 130	23	35
Toluene	<0.00198	U	0.100	0.07607		mg/Kg		76	70 - 130	24	35
Ethylbenzene	<0.00198	U	0.100	0.07989		mg/Kg		80	70 - 130	19	35
m-Xylene & p-Xylene	<0.00396	U	0.200	0.1675		mg/Kg		84	70 - 130	20	35
o-Xylene	0.000400	J	0.100	0.08249		mg/Kg		82	70 - 130	20	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: MB 880-48712/5-A
Matrix: Solid
Analysis Batch: 48707

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48712

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		03/16/23 09:01	03/16/23 11:55	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		03/16/23 09:01	03/16/23 11:55	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		03/16/23 09:01	03/16/23 11:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		03/16/23 09:01	03/16/23 11:55	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		03/16/23 09:01	03/16/23 11:55	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		03/16/23 09:01	03/16/23 11:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130	03/16/23 09:01	03/16/23 11:55	1
1,4-Difluorobenzene (Surr)	89		70 - 130	03/16/23 09:01	03/16/23 11:55	1

Lab Sample ID: LCS 880-48712/1-A
Matrix: Solid
Analysis Batch: 48707

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48712

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1130		mg/Kg		113	70 - 130
Toluene	0.100	0.09471		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.08669		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1820		mg/Kg		91	70 - 130
o-Xylene	0.100	0.08894		mg/Kg		89	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-48712/1-A
Matrix: Solid
Analysis Batch: 48707

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48712

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: LCSD 880-48712/2-A
Matrix: Solid
Analysis Batch: 48707

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48712

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09499		mg/Kg		95	70 - 130	17	35
Toluene			0.100	0.09326		mg/Kg		93	70 - 130	2	35
Ethylbenzene			0.100	0.09392		mg/Kg		94	70 - 130	8	35
m-Xylene & p-Xylene			0.200	0.2082		mg/Kg		104	70 - 130	13	35
o-Xylene			0.100	0.1004		mg/Kg		100	70 - 130	12	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: MB 880-48843/5-A
Matrix: Solid
Analysis Batch: 48882

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48843

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		03/17/23 13:09	03/18/23 12:07	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		03/17/23 13:09	03/18/23 12:07	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		03/17/23 13:09	03/18/23 12:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		03/17/23 13:09	03/18/23 12:07	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		03/17/23 13:09	03/18/23 12:07	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		03/17/23 13:09	03/18/23 12:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	03/17/23 13:09	03/18/23 12:07	1
1,4-Difluorobenzene (Surr)	83		70 - 130	03/17/23 13:09	03/18/23 12:07	1

Lab Sample ID: LCS 880-48843/1-A
Matrix: Solid
Analysis Batch: 48882

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48843

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene			0.100	0.09982		mg/Kg		100	70 - 130
Toluene			0.100	0.1163		mg/Kg		116	70 - 130
Ethylbenzene			0.100	0.1005		mg/Kg		100	70 - 130
m-Xylene & p-Xylene			0.200	0.2103		mg/Kg		105	70 - 130
o-Xylene			0.100	0.1042		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-48843/2-A
Matrix: Solid
Analysis Batch: 48882

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48843

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09633		mg/Kg		96	70 - 130	4	35
Toluene			0.100	0.1076		mg/Kg		108	70 - 130	8	35
Ethylbenzene			0.100	0.09410		mg/Kg		94	70 - 130	7	35
m-Xylene & p-Xylene			0.200	0.1966		mg/Kg		98	70 - 130	7	35
o-Xylene			0.100	0.09672		mg/Kg		97	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 880-25768-1 MS
Matrix: Solid
Analysis Batch: 48882

Client Sample ID: SW-4-S-0-1'-20230309
Prep Type: Total/NA
Prep Batch: 48843

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U F1 F2	0.0998	0.06021	F1	mg/Kg		60	70 - 130		
Toluene	<0.00200	U	0.0998	0.08670		mg/Kg		87	70 - 130		
Ethylbenzene	<0.00200	U	0.0998	0.08105		mg/Kg		81	70 - 130		
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1664		mg/Kg		83	70 - 130		
o-Xylene	<0.00200	U	0.0998	0.08300		mg/Kg		83	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*

Lab Sample ID: 880-25768-1 MSD
Matrix: Solid
Analysis Batch: 48882

Client Sample ID: SW-4-S-0-1'-20230309
Prep Type: Total/NA
Prep Batch: 48843

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1 F2	0.100	0.09556	F2	mg/Kg		95	70 - 130	45	35
Toluene	<0.00200	U	0.100	0.1047		mg/Kg		104	70 - 130	19	35
Ethylbenzene	<0.00200	U	0.100	0.08816		mg/Kg		88	70 - 130	8	35
m-Xylene & p-Xylene	<0.00399	U	0.201	0.1800		mg/Kg		90	70 - 130	8	35
o-Xylene	<0.00200	U	0.100	0.08894		mg/Kg		89	70 - 130	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: MB 880-48844/5-A
Matrix: Solid
Analysis Batch: 48914

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48844

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		03/17/23 13:16	03/19/23 15:00	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		03/17/23 13:16	03/19/23 15:00	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		03/17/23 13:16	03/19/23 15:00	1

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-48844/5-A
Matrix: Solid
Analysis Batch: 48914

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48844

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		03/17/23 13:16	03/19/23 15:00	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		03/17/23 13:16	03/19/23 15:00	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		03/17/23 13:16	03/19/23 15:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*03/17/23 13:16*	*03/19/23 15:00*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*03/17/23 13:16*	*03/19/23 15:00*	*1*

Lab Sample ID: LCS 880-48844/1-A
Matrix: Solid
Analysis Batch: 48914

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48844

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08476		mg/Kg		85	70 - 130
Toluene	0.100	0.08679		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.08687		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1797		mg/Kg		90	70 - 130
o-Xylene	0.100	0.08886		mg/Kg		89	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: LCSD 880-48844/2-A
Matrix: Solid
Analysis Batch: 48914

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48844

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08978		mg/Kg		90	70 - 130	6	35
Toluene	0.100	0.09169		mg/Kg		92	70 - 130	5	35
Ethylbenzene	0.100	0.08673		mg/Kg		87	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1774		mg/Kg		89	70 - 130	1	35
o-Xylene	0.100	0.08843		mg/Kg		88	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 880-25768-21 MS
Matrix: Solid
Analysis Batch: 48914

Client Sample ID: B-38-S-1'-20230309
Prep Type: Total/NA
Prep Batch: 48844

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U F2 F1	0.0998	0.09261		mg/Kg		93	70 - 130
Toluene	<0.00202	U	0.0998	0.09150		mg/Kg		92	70 - 130
Ethylbenzene	<0.00202	U F1	0.0998	0.08197		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	<0.00403	U F2 F1	0.200	0.1622		mg/Kg		81	70 - 130
o-Xylene	0.000360	J F1	0.0998	0.08247		mg/Kg		82	70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-25768-21 MSD
Matrix: Solid
Analysis Batch: 48914

Client Sample ID: B-38-S-1'-20230309
Prep Type: Total/NA
Prep Batch: 48844

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U F2 F1	0.100	0.06078	F2 F1	mg/Kg		61	70 - 130	42	35
Toluene	<0.00202	U	0.100	0.07035		mg/Kg		70	70 - 130	26	35
Ethylbenzene	<0.00202	U F1	0.100	0.05980	F1	mg/Kg		60	70 - 130	31	35
m-Xylene & p-Xylene	<0.00403	U F2 F1	0.201	0.1077	F2 F1	mg/Kg		54	70 - 130	40	35
o-Xylene	0.000360	J F1	0.100	0.05766	F1	mg/Kg		57	70 - 130	35	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-48951/5-A
Matrix: Solid
Analysis Batch: 48949

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48951

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		03/20/23 08:52	03/20/23 12:12	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		03/20/23 08:52	03/20/23 12:12	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		03/20/23 08:52	03/20/23 12:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		03/20/23 08:52	03/20/23 12:12	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		03/20/23 08:52	03/20/23 12:12	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		03/20/23 08:52	03/20/23 12:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		70 - 130	03/20/23 08:52	03/20/23 12:12	1
1,4-Difluorobenzene (Surr)	86		70 - 130	03/20/23 08:52	03/20/23 12:12	1

Lab Sample ID: LCS 880-48951/1-A
Matrix: Solid
Analysis Batch: 48949

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48951

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1036		mg/Kg		104	70 - 130
Toluene	0.100	0.1035		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.09340		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1942		mg/Kg		97	70 - 130
o-Xylene	0.100	0.09432		mg/Kg		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	85		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-48951/2-A
Matrix: Solid
Analysis Batch: 48949

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48951

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1160		mg/Kg		116	70 - 130	11	35
Toluene			0.100	0.09918		mg/Kg		99	70 - 130	4	35
Ethylbenzene			0.100	0.08763		mg/Kg		88	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.1829		mg/Kg		91	70 - 130	6	35
o-Xylene			0.100	0.08907		mg/Kg		89	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: MB 880-49091/5-A
Matrix: Solid
Analysis Batch: 49077

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49091

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		03/21/23 09:28	03/21/23 12:45	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		03/21/23 09:28	03/21/23 12:45	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		03/21/23 09:28	03/21/23 12:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		03/21/23 09:28	03/21/23 12:45	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		03/21/23 09:28	03/21/23 12:45	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		03/21/23 09:28	03/21/23 12:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*70 - 130*	*03/21/23 09:28*	*03/21/23 12:45*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*03/21/23 09:28*	*03/21/23 12:45*	*1*

Lab Sample ID: LCS 880-49091/1-A
Matrix: Solid
Analysis Batch: 49077

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 49091

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene			0.100	0.1194		mg/Kg		119	70 - 130
Toluene			0.100	0.1068		mg/Kg		107	70 - 130
Ethylbenzene			0.100	0.09680		mg/Kg		97	70 - 130
m-Xylene & p-Xylene			0.200	0.2037		mg/Kg		102	70 - 130
o-Xylene			0.100	0.09948		mg/Kg		99	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 880-49091/2-A
Matrix: Solid
Analysis Batch: 49077

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 49091

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09058		mg/Kg		91	70 - 130	27	35
Toluene			0.100	0.09286		mg/Kg		93	70 - 130	14	35

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-49091/2-A
Matrix: Solid
Analysis Batch: 49077

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 49091

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene			0.100	0.08533		mg/Kg		85	70 - 130	13	35
m-Xylene & p-Xylene			0.200	0.1771		mg/Kg		89	70 - 130	14	35
o-Xylene			0.100	0.08571		mg/Kg		86	70 - 130	15	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-48252/1-A
Matrix: Solid
Analysis Batch: 48274

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48252

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		03/09/23 15:58	03/10/23 08:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 15:58	03/10/23 08:23	1
Oil Range Organics (Over C28-C36)	16.86	J	50.0	15.0	mg/Kg		03/09/23 15:58	03/10/23 08:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*03/09/23 15:58*	*03/10/23 08:23*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*03/09/23 15:58*	*03/10/23 08:23*	*1*

Lab Sample ID: LCS 880-48252/2-A
Matrix: Solid
Analysis Batch: 48274

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48252

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	1046		mg/Kg		105	70 - 130
Diesel Range Organics (Over C10-C28)			1000	771.2		mg/Kg		77	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*87*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Lab Sample ID: LCSD 880-48252/3-A
Matrix: Solid
Analysis Batch: 48274

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48252

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1029		mg/Kg		103	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	756.2		mg/Kg		76	70 - 130	2	20

QC Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-48252/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 48274 **Prep Batch: 48252**

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: MB 880-48262/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 48410 **Prep Batch: 48262**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	17.69	J	50.0	15.0	mg/Kg		03/09/23 17:23	03/12/23 21:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 17:23	03/12/23 21:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 17:23	03/12/23 21:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130	03/09/23 17:23	03/12/23 21:09	1
o-Terphenyl	144	S1+	70 - 130	03/09/23 17:23	03/12/23 21:09	1

Lab Sample ID: LCS 880-48262/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 48410 **Prep Batch: 48262**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	970.1		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1107		mg/Kg		111	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	82		70 - 130

Lab Sample ID: LCSD 880-48262/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 48410 **Prep Batch: 48262**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	963.0		mg/Kg		96	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1064		mg/Kg		106	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	94		70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-48322/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 48386 **Prep Batch: 48322**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	17.22	J	50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 09:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 09:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 09:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*03/10/23 13:27*	*03/11/23 09:21*	*1*
o-Terphenyl	*129*		*70 - 130*	*03/10/23 13:27*	*03/11/23 09:21*	*1*

Lab Sample ID: LCS 880-48322/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 48386 **Prep Batch: 48322**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	873.6		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	1000	893.0		mg/Kg		89	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*106*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Lab Sample ID: LCSD 880-48322/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 48386 **Prep Batch: 48322**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	946.7		mg/Kg		95	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	1000	946.7		mg/Kg		95	70 - 130	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*108*		*70 - 130*
o-Terphenyl	*105*		*70 - 130*

Lab Sample ID: MB 880-48343/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 48388 **Prep Batch: 48343**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	24.40	J	50.0	15.0	mg/Kg		03/10/23 15:45	03/11/23 20:49	1
Diesel Range Organics (Over C10-C28)	24.22	J	50.0	15.0	mg/Kg		03/10/23 15:45	03/11/23 20:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:45	03/11/23 20:49	1

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-48343/1-A
Matrix: Solid
Analysis Batch: 48388

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48343

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130	03/10/23 15:45	03/11/23 20:49	1
o-Terphenyl	163	S1+	70 - 130	03/10/23 15:45	03/11/23 20:49	1

Lab Sample ID: LCS 880-48343/2-A
Matrix: Solid
Analysis Batch: 48388

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48343

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	965.1		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1061		mg/Kg		106	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	115		70 - 130

Lab Sample ID: LCSD 880-48343/3-A
Matrix: Solid
Analysis Batch: 48388

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48343

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	976.7		mg/Kg		98	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	992.7		mg/Kg		99	70 - 130	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	106		70 - 130

Lab Sample ID: MB 880-48345/1-A
Matrix: Solid
Analysis Batch: 48410

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48345

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	19.81	J	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 09:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 09:26	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 09:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	03/10/23 15:48	03/12/23 09:26	1
o-Terphenyl	129		70 - 130	03/10/23 15:48	03/12/23 09:26	1

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-48345/2-A
Matrix: Solid
Analysis Batch: 48410

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48345

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	509.2	*-	mg/Kg		51	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	767.2		mg/Kg		77	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*81*		*70 - 130*
o-Terphenyl	*84*		*70 - 130*

Lab Sample ID: LCSD 880-48345/3-A
Matrix: Solid
Analysis Batch: 48410

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48345

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	485.0	*-	mg/Kg		49	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	798.6		mg/Kg		80	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*90*		*70 - 130*
o-Terphenyl	*88*		*70 - 130*

Lab Sample ID: 880-25768-27 MS
Matrix: Solid
Analysis Batch: 48410

Client Sample ID: B-44-S-1'-20230309
Prep Type: Total/NA
Prep Batch: 48345

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	20.3	J B *-	998	860.1		mg/Kg		84	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	998	855.6		mg/Kg		86	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*92*		*70 - 130*

Lab Sample ID: 880-25768-27 MSD
Matrix: Solid
Analysis Batch: 48410

Client Sample ID: B-44-S-1'-20230309
Prep Type: Total/NA
Prep Batch: 48345

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	20.3	J B *-	999	869.8		mg/Kg		85	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	803.4		mg/Kg		80	70 - 130	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*99*		*70 - 130*

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-25768-27 MSD
Matrix: Solid
Analysis Batch: 48410

Client Sample ID: B-44-S-1'-20230309
Prep Type: Total/NA
Prep Batch: 48345

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	88		70 - 130

Lab Sample ID: MB 880-48346/1-A
Matrix: Solid
Analysis Batch: 48412

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48346

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 09:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 09:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 09:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	03/10/23 15:51	03/12/23 09:26	1
o-Terphenyl	157	S1+	70 - 130	03/10/23 15:51	03/12/23 09:26	1

Lab Sample ID: LCS 880-48346/2-A
Matrix: Solid
Analysis Batch: 48412

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48346

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1012		mg/Kg		101	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	873.2		mg/Kg		87	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	81		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: LCSD 880-48346/3-A
Matrix: Solid
Analysis Batch: 48412

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48346

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1056		mg/Kg		106	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	944.8		mg/Kg		94	70 - 130	8	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	110		70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-25768-7 MS **Client Sample ID: B-24-S-1'-20230309**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 48412 **Prep Batch: 48346**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	17.7	J F2	998	1169		mg/Kg		115	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F2	998	1220		mg/Kg		122	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*120*		*70 - 130*
o-Terphenyl	*140*	*S1+*	*70 - 130*

Lab Sample ID: 880-25768-7 MSD **Client Sample ID: B-24-S-1'-20230309**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 48412 **Prep Batch: 48346**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	17.7	J F2	999	886.6	F2	mg/Kg		87	70 - 130	27	20
Diesel Range Organics (Over C10-C28)	<49.9	U F2	999	984.3	F2	mg/Kg		99	70 - 130	21	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*116*		*70 - 130*

Lab Sample ID: MB 880-48780/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 48705 **Prep Batch: 48780**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		03/16/23 14:57	03/16/23 20:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/16/23 14:57	03/16/23 20:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/16/23 14:57	03/16/23 20:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*03/16/23 14:57*	*03/16/23 20:06*	*1*
o-Terphenyl	*129*		*70 - 130*	*03/16/23 14:57*	*03/16/23 20:06*	*1*

Lab Sample ID: LCS 880-48780/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 48705 **Prep Batch: 48780**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1129		mg/Kg		113	70 - 130
Diesel Range Organics (Over C10-C28)	1000	926.8		mg/Kg		93	70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-48780/2-A
Matrix: Solid
Analysis Batch: 48705

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48780

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	123		70 - 130

Lab Sample ID: LCSD 880-48780/3-A
Matrix: Solid
Analysis Batch: 48705

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48780

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1090		mg/Kg		109	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	902.1		mg/Kg		90	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	120		70 - 130

Lab Sample ID: MB 880-49012/1-A
Matrix: Solid
Analysis Batch: 49067

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49012

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	16.51	J	50.0	15.0	mg/Kg		03/20/23 13:48	03/21/23 08:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/20/23 13:48	03/21/23 08:28	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/20/23 13:48	03/21/23 08:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	03/20/23 13:48	03/21/23 08:28	1
o-Terphenyl	133	S1+	70 - 130	03/20/23 13:48	03/21/23 08:28	1

Lab Sample ID: LCS 880-49012/2-A
Matrix: Solid
Analysis Batch: 49067

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 49012

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	857.2		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)			1000	846.3		mg/Kg		85	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	99		70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-49012/3-A
Matrix: Solid
Analysis Batch: 49067

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 49012

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	840.2		mg/Kg		84	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	962.9		mg/Kg		96	70 - 130	13	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*101*		*70 - 130*
o-Terphenyl	*112*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-45234/1-A
Matrix: Solid
Analysis Batch: 45416

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/03/23 15:13	1

Lab Sample ID: LCS 880-45234/2-A
Matrix: Solid
Analysis Batch: 45416

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	256.4		mg/Kg		103	90 - 110		

Lab Sample ID: LCSD 880-45234/3-A
Matrix: Solid
Analysis Batch: 45416

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	257.3		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 890-4002-1 MS
Matrix: Solid
Analysis Batch: 45416

Client Sample ID: L-11-5-0-6' 20230131
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	17.2		250	273.6		mg/Kg		103	90 - 110		

Lab Sample ID: 890-4002-1 MSD
Matrix: Solid
Analysis Batch: 45416

Client Sample ID: L-11-5-0-6' 20230131
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	17.2		250	273.6		mg/Kg		103	90 - 110	0	20

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-4002-11 MS
Matrix: Solid
Analysis Batch: 45416

Client Sample ID: L-21-5-0-6' 20230131
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<4.99	U	250	262.2		mg/Kg		104	90 - 110

Lab Sample ID: 890-4002-11 MSD
Matrix: Solid
Analysis Batch: 45416

Client Sample ID: L-21-5-0-6' 20230131
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<4.99	U	250	262.1		mg/Kg		104	90 - 110	0	20

Lab Sample ID: MB 880-45276/1-A
Matrix: Solid
Analysis Batch: 45421

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/03/23 19:19	1

Lab Sample ID: LCS 880-45276/2-A
Matrix: Solid
Analysis Batch: 45421

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	273.0		mg/Kg		109	90 - 110

Lab Sample ID: LCSD 880-45276/3-A
Matrix: Solid
Analysis Batch: 45421

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	261.5		mg/Kg		105	90 - 110	4	20

Lab Sample ID: MB 880-48303/1-A
Matrix: Solid
Analysis Batch: 48311

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.395	mg/Kg			03/10/23 11:32	1

Lab Sample ID: LCS 880-48303/2-A
Matrix: Solid
Analysis Batch: 48311

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	267.8		mg/Kg		107	90 - 110

Lab Sample ID: LCSD 880-48303/3-A
Matrix: Solid
Analysis Batch: 48311

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	267.1		mg/Kg		107	90 - 110	0	20

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-4261-1 MS
Matrix: Solid
Analysis Batch: 48311

Client Sample ID: SW-1-S-0-2'- 20230307
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	85.5	F1	248	388.1	F1	mg/Kg		122	90 - 110

Lab Sample ID: 890-4261-1 MSD
Matrix: Solid
Analysis Batch: 48311

Client Sample ID: SW-1-S-0-2'- 20230307
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	85.5	F1	248	387.8	F1	mg/Kg		122	90 - 110	0	20

Lab Sample ID: 890-4261-11 MS
Matrix: Solid
Analysis Batch: 48311

Client Sample ID: B-8-S-1'-2-20230307
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1160		250	1360	4	mg/Kg		80	90 - 110

Lab Sample ID: 890-4261-11 MSD
Matrix: Solid
Analysis Batch: 48311

Client Sample ID: B-8-S-1'-2-20230307
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1160		250	1358	4	mg/Kg		79	90 - 110	0	20

Lab Sample ID: MB 880-48304/1-A
Matrix: Solid
Analysis Batch: 48312

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.395	mg/Kg			03/10/23 14:35	1

Lab Sample ID: LCS 880-48304/2-A
Matrix: Solid
Analysis Batch: 48312

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	272.6		mg/Kg		109	90 - 110

Lab Sample ID: LCSD 880-48304/3-A
Matrix: Solid
Analysis Batch: 48312

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	271.3		mg/Kg		109	90 - 110	1	20

Lab Sample ID: 890-4261-21 MS
Matrix: Solid
Analysis Batch: 48312

Client Sample ID: B-18-S-1'-20230307
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1320	F1	1260	2525		mg/Kg		96	90 - 110

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-4261-21 MSD — **Client Sample ID: B-18-S-1'-20230307**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 48312

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1320	F1	1260	2995	F1	mg/Kg		133	90 - 110	17	20

Lab Sample ID: MB 880-48313/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 48324

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.039	J	5.00	0.395	mg/Kg			03/10/23 16:55	1

Lab Sample ID: LCS 880-48313/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 48324

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	272.8		mg/Kg		109	90 - 110

Lab Sample ID: LCSD 880-48313/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 48324

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	273.8		mg/Kg		110	90 - 110	0	20

Lab Sample ID: 880-25768-1 MS — **Client Sample ID: SW-4-S-0-1'-20230309**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 48324

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	68.7	B F1	249	345.7	F1	mg/Kg		111	90 - 110

Lab Sample ID: 880-25768-1 MSD — **Client Sample ID: SW-4-S-0-1'-20230309**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 48324

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	68.7	B F1	249	346.1	F1	mg/Kg		112	90 - 110	0	20

Lab Sample ID: 880-25768-11 MS — **Client Sample ID: B-28-S-1'-20230309**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 48324

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	133	B F1	250	330.4	F1	mg/Kg		79	90 - 110

Lab Sample ID: 880-25768-11 MSD — **Client Sample ID: B-28-S-1'-20230309**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 48324

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	133	B F1	250	330.5	F1	mg/Kg		79	90 - 110	0	20

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-48314/1-A
Matrix: Solid
Analysis Batch: 48325

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.840	J	5.00	0.395	mg/Kg			03/10/23 23:57	1

Lab Sample ID: LCS 880-48314/2-A
Matrix: Solid
Analysis Batch: 48325

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	273.6		mg/Kg		109	90 - 110

Lab Sample ID: LCSD 880-48314/3-A
Matrix: Solid
Analysis Batch: 48325

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	274.0		mg/Kg		110	90 - 110	0	20

Lab Sample ID: 880-25768-21 MS
Matrix: Solid
Analysis Batch: 48325

Client Sample ID: B-38-S-1'-20230309
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1620	B F1	1260	3161	F1	mg/Kg		122	90 - 110

Lab Sample ID: 880-25768-21 MSD
Matrix: Solid
Analysis Batch: 48325

Client Sample ID: B-38-S-1'-20230309
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1620	B F1	1260	3164	F1	mg/Kg		123	90 - 110	0	20

Lab Sample ID: 880-25768-31 MS
Matrix: Solid
Analysis Batch: 48325

Client Sample ID: B-48-S-1'-20230309
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	755	B	248	1003		mg/Kg		100	90 - 110

Lab Sample ID: 880-25768-31 MSD
Matrix: Solid
Analysis Batch: 48325

Client Sample ID: B-48-S-1'-20230309
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	755	B	248	1002		mg/Kg		100	90 - 110	0	20

Lab Sample ID: MB 880-48288/1-A
Matrix: Solid
Analysis Batch: 48327

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.395	mg/Kg			03/11/23 13:16	1

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-48288/2-A
Matrix: Solid
Analysis Batch: 48327

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	269.0		mg/Kg		108	90 - 110		

Lab Sample ID: LCSD 880-48288/3-A
Matrix: Solid
Analysis Batch: 48327

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	269.6		mg/Kg		108	90 - 110	0	20

Lab Sample ID: 880-25768-42 MS
Matrix: Solid
Analysis Batch: 48327

Client Sample ID: B-59-S-1'-20230309
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	699		251	931.2		mg/Kg		92	90 - 110		

Lab Sample ID: 880-25768-42 MSD
Matrix: Solid
Analysis Batch: 48327

Client Sample ID: B-59-S-1'-20230309
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	699		251	930.8		mg/Kg		92	90 - 110	0	20

Lab Sample ID: MB 880-48646/1-A
Matrix: Solid
Analysis Batch: 48693

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.395	mg/Kg			03/17/23 04:39	1

Lab Sample ID: LCS 880-48646/2-A
Matrix: Solid
Analysis Batch: 48693

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	274.9		mg/Kg		110	90 - 110		

Lab Sample ID: LCSD 880-48646/3-A
Matrix: Solid
Analysis Batch: 48693

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	273.6		mg/Kg		109	90 - 110	1	20

Lab Sample ID: MB 880-49103/1-A
Matrix: Solid
Analysis Batch: 49141

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.395	mg/Kg			03/21/23 13:05	1

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-49103/2-A
Matrix: Solid
Analysis Batch: 49141

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	238.0		mg/Kg		95	90 - 110		

Lab Sample ID: LCSD 880-49103/3-A
Matrix: Solid
Analysis Batch: 49141

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	239.2		mg/Kg		96	90 - 110	1	20

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

GC VOA

Prep Batch: 48192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-21	B-18-S-1'-20230307	Total/NA	Solid	5030B	
890-4261-22	B-19-S-1'-20230307	Total/NA	Solid	5030B	
890-4261-23	B-20-S-1'-20230307	Total/NA	Solid	5030B	
890-4261-24	B-21-S-1'-20230307	Total/NA	Solid	5030B	
MB 880-48192/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-48192/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-48192/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Prep Batch: 48199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-4	B-1-S-2'-2-20230307	Total/NA	Solid	5030B	
890-4261-5	B-2-S-2'-2-20230307	Total/NA	Solid	5030B	
890-4261-6	B-3-S-2'-2-20230307	Total/NA	Solid	5030B	
890-4261-7	B-4-S-2'-2-20230307	Total/NA	Solid	5030B	
890-4261-8	B-5-S-1'-2-2-20230307	Total/NA	Solid	5030B	
890-4261-9	B-6-S-1'-2'-2-20230307	Total/NA	Solid	5030B	
MB 880-48199/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-48199/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-48199/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Analysis Batch: 48285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-4	B-1-S-2'-2-20230307	Total/NA	Solid	8021B	48199
890-4261-5	B-2-S-2'-2-20230307	Total/NA	Solid	8021B	48199
890-4261-6	B-3-S-2'-2-20230307	Total/NA	Solid	8021B	48199
890-4261-7	B-4-S-2'-2-20230307	Total/NA	Solid	8021B	48199
890-4261-8	B-5-S-1'-2-2-20230307	Total/NA	Solid	8021B	48199
890-4261-9	B-6-S-1'-2'-2-20230307	Total/NA	Solid	8021B	48199
MB 880-48199/5-A	Method Blank	Total/NA	Solid	8021B	48199
LCS 880-48199/1-A	Lab Control Sample	Total/NA	Solid	8021B	48199
LCSD 880-48199/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48199

Prep Batch: 48309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-1	SW-1-S-0-2'- 20230307	Total/NA	Solid	5030B	
890-4261-2	SW-2-S-0-2'- 20230307	Total/NA	Solid	5030B	
890-4261-3	SW-3-S-0-2'- 20230307	Total/NA	Solid	5030B	
890-4261-10	B-7-S-1'-2-20230307	Total/NA	Solid	5030B	
890-4261-11	B-8-S-1'-2-20230307	Total/NA	Solid	5030B	
890-4261-12	B-9-S-1'-2-20230307	Total/NA	Solid	5030B	
890-4261-13	B-10-S-1'-20230307	Total/NA	Solid	5030B	
890-4261-14	B-11-S-1'-20230307	Total/NA	Solid	5030B	
890-4261-15	B-12-S-1'-20230307	Total/NA	Solid	5030B	
890-4261-16	B-13-S-1'-20230307	Total/NA	Solid	5030B	
890-4261-17	B-14-S-1'-20230307	Total/NA	Solid	5030B	
890-4261-18	B-15-S-1'-20230307	Total/NA	Solid	5030B	
890-4261-19	B-16-S-1'-20230307	Total/NA	Solid	5030B	
890-4261-20	B-17-S-1'-20230307	Total/NA	Solid	5030B	
MB 880-48309/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-48309/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-48309/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

GC VOA (Continued)

Prep Batch: 48309 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-1 MS	SW-1-S-0-2'- 20230307	Total/NA	Solid	5030B	
890-4261-1 MSD	SW-1-S-0-2'- 20230307	Total/NA	Solid	5030B	

Analysis Batch: 48323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-1	SW-1-S-0-2'- 20230307	Total/NA	Solid	8021B	48309
890-4261-2	SW-2-S-0-2'- 20230307	Total/NA	Solid	8021B	48309
890-4261-3	SW-3-S-0-2'- 20230307	Total/NA	Solid	8021B	48309
890-4261-10	B-7-S-1'-2-20230307	Total/NA	Solid	8021B	48309
890-4261-11	B-8-S-1'-2-20230307	Total/NA	Solid	8021B	48309
890-4261-12	B-9-S-1'-2-20230307	Total/NA	Solid	8021B	48309
890-4261-13	B-10-S-1'-20230307	Total/NA	Solid	8021B	48309
890-4261-14	B-11-S-1'-20230307	Total/NA	Solid	8021B	48309
890-4261-15	B-12-S-1'-20230307	Total/NA	Solid	8021B	48309
890-4261-16	B-13-S-1'-20230307	Total/NA	Solid	8021B	48309
890-4261-17	B-14-S-1'-20230307	Total/NA	Solid	8021B	48309
890-4261-18	B-15-S-1'-20230307	Total/NA	Solid	8021B	48309
890-4261-19	B-16-S-1'-20230307	Total/NA	Solid	8021B	48309
890-4261-20	B-17-S-1'-20230307	Total/NA	Solid	8021B	48309
MB 880-48309/5-A	Method Blank	Total/NA	Solid	8021B	48309
LCS 880-48309/1-A	Lab Control Sample	Total/NA	Solid	8021B	48309
LCSD 880-48309/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48309
890-4261-1 MS	SW-1-S-0-2'- 20230307	Total/NA	Solid	8021B	48309
890-4261-1 MSD	SW-1-S-0-2'- 20230307	Total/NA	Solid	8021B	48309

Analysis Batch: 48364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-1	SW-1-S-0-2'- 20230307	Total/NA	Solid	Total BTEX	
890-4261-2	SW-2-S-0-2'- 20230307	Total/NA	Solid	Total BTEX	
890-4261-3	SW-3-S-0-2'- 20230307	Total/NA	Solid	Total BTEX	
890-4261-4	B-1-S-2'-2-20230307	Total/NA	Solid	Total BTEX	
890-4261-5	B-2-S-2'-2-20230307	Total/NA	Solid	Total BTEX	
890-4261-6	B-3-S-2'-2-20230307	Total/NA	Solid	Total BTEX	
890-4261-7	B-4-S-2'-2-20230307	Total/NA	Solid	Total BTEX	
890-4261-8	B-5-S-1'-2-2-20230307	Total/NA	Solid	Total BTEX	
890-4261-9	B-6-S-1'-2'-2-20230307	Total/NA	Solid	Total BTEX	
890-4261-10	B-7-S-1'-2-20230307	Total/NA	Solid	Total BTEX	
890-4261-11	B-8-S-1'-2-20230307	Total/NA	Solid	Total BTEX	
890-4261-12	B-9-S-1'-2-20230307	Total/NA	Solid	Total BTEX	
890-4261-13	B-10-S-1'-20230307	Total/NA	Solid	Total BTEX	
890-4261-14	B-11-S-1'-20230307	Total/NA	Solid	Total BTEX	
890-4261-15	B-12-S-1'-20230307	Total/NA	Solid	Total BTEX	
890-4261-16	B-13-S-1'-20230307	Total/NA	Solid	Total BTEX	
890-4261-17	B-14-S-1'-20230307	Total/NA	Solid	Total BTEX	
890-4261-18	B-15-S-1'-20230307	Total/NA	Solid	Total BTEX	
890-4261-19	B-16-S-1'-20230307	Total/NA	Solid	Total BTEX	
890-4261-20	B-17-S-1'-20230307	Total/NA	Solid	Total BTEX	
890-4261-21	B-18-S-1'-20230307	Total/NA	Solid	Total BTEX	
890-4261-22	B-19-S-1'-20230307	Total/NA	Solid	Total BTEX	
890-4261-23	B-20-S-1'-20230307	Total/NA	Solid	Total BTEX	
890-4261-24	B-21-S-1'-20230307	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

GC VOA

Analysis Batch: 48425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-21	B-18-S-1'-20230307	Total/NA	Solid	8021B	48192
890-4261-22	B-19-S-1'-20230307	Total/NA	Solid	8021B	48192
890-4261-23	B-20-S-1'-20230307	Total/NA	Solid	8021B	48192
890-4261-24	B-21-S-1'-20230307	Total/NA	Solid	8021B	48192
MB 880-48192/5-A	Method Blank	Total/NA	Solid	8021B	48192
LCS 880-48192/1-A	Lab Control Sample	Total/NA	Solid	8021B	48192
LCSD 880-48192/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48192

Analysis Batch: 48707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25966-1	SW-3B-S-0-1'-20230314	Total/NA	Solid	8021B	48712
MB 880-48712/5-A	Method Blank	Total/NA	Solid	8021B	48712
LCS 880-48712/1-A	Lab Control Sample	Total/NA	Solid	8021B	48712
LCSD 880-48712/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48712

Prep Batch: 48712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25966-1	SW-3B-S-0-1'-20230314	Total/NA	Solid	5030B	
MB 880-48712/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-48712/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-48712/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Prep Batch: 48843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-1	SW-4-S-0-1'-20230309	Total/NA	Solid	5030B	
880-25768-2	SW-5-S-0-1'-20230309	Total/NA	Solid	5030B	
880-25768-3	SW-6-S-0-1'-20230309	Total/NA	Solid	5030B	
880-25768-4	SW-7-S-0-1'-20230309	Total/NA	Solid	5030B	
880-25768-5	B-22-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-6	B-23-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-7	B-24-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-8	B-25-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-9	B-26-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-10	B-27-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-11	B-28-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-12	B-29-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-13	B-30-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-14	B-31-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-15	B-32-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-16	B-33-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-17	B-34-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-18	B-35-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-19	B-36-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-20	B-37-S-1'-20230309	Total/NA	Solid	5030B	
MB 880-48843/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-48843/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-48843/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
880-25768-1 MS	SW-4-S-0-1'-20230309	Total/NA	Solid	5030B	
880-25768-1 MSD	SW-4-S-0-1'-20230309	Total/NA	Solid	5030B	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

GC VOA

Prep Batch: 48844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-21	B-38-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-22	B-39-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-23	B-40-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-24	B-41-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-25	B-42-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-26	B-43-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-27	B-44-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-28	B-45-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-29	B-46-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-30	B-47-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-31	B-48-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-32	B-49-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-33	B-50-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-34	B-51-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-35	B-52-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-36	B-53-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-37	B-54-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-38	B-55-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-39	B-56-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-40	B-57-S-1'-20230309	Total/NA	Solid	5030B	
MB 880-48844/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-48844/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-48844/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
880-25768-21 MS	B-38-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-21 MSD	B-38-S-1'-20230309	Total/NA	Solid	5030B	

Analysis Batch: 48882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-1	SW-4-S-0-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-2	SW-5-S-0-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-3	SW-6-S-0-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-4	SW-7-S-0-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-5	B-22-S-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-6	B-23-S-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-7	B-24-S-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-8	B-25-S-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-9	B-26-S-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-10	B-27-S-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-11	B-28-S-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-12	B-29-S-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-13	B-30-S-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-14	B-31-S-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-15	B-32-S-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-16	B-33-S-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-17	B-34-S-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-18	B-35-S-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-19	B-36-S-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-20	B-37-S-1'-20230309	Total/NA	Solid	8021B	48843
MB 880-48843/5-A	Method Blank	Total/NA	Solid	8021B	48843
LCS 880-48843/1-A	Lab Control Sample	Total/NA	Solid	8021B	48843
LCSD 880-48843/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48843

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

GC VOA (Continued)

Analysis Batch: 48882 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-1 MS	SW-4-S-0-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-1 MSD	SW-4-S-0-1'-20230309	Total/NA	Solid	8021B	48843

Analysis Batch: 48914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-21	B-38-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-22	B-39-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-23	B-40-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-24	B-41-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-25	B-42-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-26	B-43-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-27	B-44-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-28	B-45-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-29	B-46-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-30	B-47-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-31	B-48-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-32	B-49-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-33	B-50-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-34	B-51-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-35	B-52-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-36	B-53-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-37	B-54-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-38	B-55-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-39	B-56-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-40	B-57-S-1'-20230309	Total/NA	Solid	8021B	48844
MB 880-48844/5-A	Method Blank	Total/NA	Solid	8021B	48844
LCS 880-48844/1-A	Lab Control Sample	Total/NA	Solid	8021B	48844
LCSD 880-48844/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48844
880-25768-21 MS	B-38-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-21 MSD	B-38-S-1'-20230309	Total/NA	Solid	8021B	48844

Analysis Batch: 48930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-1	SW-4-S-0-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-2	SW-5-S-0-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-3	SW-6-S-0-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-4	SW-7-S-0-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-5	B-22-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-6	B-23-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-7	B-24-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-8	B-25-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-9	B-26-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-10	B-27-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-11	B-28-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-12	B-29-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-13	B-30-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-14	B-31-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-15	B-32-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-16	B-33-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-17	B-34-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-18	B-35-S-1'-20230309	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

GC VOA (Continued)

Analysis Batch: 48930 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-19	B-36-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-20	B-37-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-21	B-38-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-22	B-39-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-23	B-40-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-24	B-41-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-25	B-42-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-26	B-43-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-27	B-44-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-28	B-45-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-29	B-46-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-30	B-47-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-31	B-48-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-32	B-49-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-33	B-50-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-34	B-51-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-35	B-52-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-36	B-53-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-37	B-54-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-38	B-55-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-39	B-56-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-40	B-57-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-41	B-58-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-42	B-59-S-1'-20230309	Total/NA	Solid	Total BTEX	

Analysis Batch: 48949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-41	B-58-S-1'-20230309	Total/NA	Solid	8021B	48951
880-25768-42	B-59-S-1'-20230309	Total/NA	Solid	8021B	48951
MB 880-48951/5-A	Method Blank	Total/NA	Solid	8021B	48951
LCS 880-48951/1-A	Lab Control Sample	Total/NA	Solid	8021B	48951
LCSD 880-48951/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48951

Prep Batch: 48951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-41	B-58-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-42	B-59-S-1'-20230309	Total/NA	Solid	5030B	
MB 880-48951/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-48951/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-48951/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Analysis Batch: 48997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25966-1	SW-3B-S-0-1'-20230314	Total/NA	Solid	Total BTEX	

Analysis Batch: 49077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26151-1	SW-1B-S-0-2'-20230320	Total/NA	Solid	8021B	49091
MB 880-49091/5-A	Method Blank	Total/NA	Solid	8021B	49091
LCS 880-49091/1-A	Lab Control Sample	Total/NA	Solid	8021B	49091
LCSD 880-49091/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	49091

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

GC VOA

Prep Batch: 49091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26151-1	SW-1B-S-0-2'-20230320	Total/NA	Solid	5030B	
MB 880-49091/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-49091/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-49091/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Analysis Batch: 49148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26151-1	SW-1B-S-0-2'-20230320	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 48252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-4	B-1-S-2'-2-20230307	Total/NA	Solid	8015NM Prep	
890-4261-5	B-2-S-2'-2-20230307	Total/NA	Solid	8015NM Prep	
890-4261-6	B-3-S-2'-2-20230307	Total/NA	Solid	8015NM Prep	
890-4261-7	B-4-S-2'-2-20230307	Total/NA	Solid	8015NM Prep	
890-4261-8	B-5-S-1'-2-2-20230307	Total/NA	Solid	8015NM Prep	
890-4261-9	B-6-S-1'-2'-2-20230307	Total/NA	Solid	8015NM Prep	
MB 880-48252/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48252/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48252/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 48262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-17	B-14-S-1'-20230307	Total/NA	Solid	8015NM Prep	
890-4261-18	B-15-S-1'-20230307	Total/NA	Solid	8015NM Prep	
890-4261-19	B-16-S-1'-20230307	Total/NA	Solid	8015NM Prep	
890-4261-20	B-17-S-1'-20230307	Total/NA	Solid	8015NM Prep	
MB 880-48262/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48262/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48262/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 48274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-4	B-1-S-2'-2-20230307	Total/NA	Solid	8015B NM	48252
890-4261-5	B-2-S-2'-2-20230307	Total/NA	Solid	8015B NM	48252
890-4261-6	B-3-S-2'-2-20230307	Total/NA	Solid	8015B NM	48252
890-4261-7	B-4-S-2'-2-20230307	Total/NA	Solid	8015B NM	48252
890-4261-8	B-5-S-1'-2-2-20230307	Total/NA	Solid	8015B NM	48252
890-4261-9	B-6-S-1'-2'-2-20230307	Total/NA	Solid	8015B NM	48252
MB 880-48252/1-A	Method Blank	Total/NA	Solid	8015B NM	48252
LCS 880-48252/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48252
LCSD 880-48252/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48252

Prep Batch: 48322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-1	SW-1-S-0-2'- 20230307	Total/NA	Solid	8015NM Prep	
890-4261-2	SW-2-S-0-2'- 20230307	Total/NA	Solid	8015NM Prep	
890-4261-3	SW-3-S-0-2'- 20230307	Total/NA	Solid	8015NM Prep	
890-4261-10	B-7-S-1'-2-20230307	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

GC Semi VOA (Continued)

Prep Batch: 48322 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-11	B-8-S-1'-2-20230307	Total/NA	Solid	8015NM Prep	
890-4261-12	B-9-S-1'-2-20230307	Total/NA	Solid	8015NM Prep	
890-4261-13	B-10-S-1'-20230307	Total/NA	Solid	8015NM Prep	
890-4261-14	B-11-S-1'-20230307	Total/NA	Solid	8015NM Prep	
890-4261-15	B-12-S-1'-20230307	Total/NA	Solid	8015NM Prep	
890-4261-16	B-13-S-1'-20230307	Total/NA	Solid	8015NM Prep	
890-4261-21	B-18-S-1'-20230307	Total/NA	Solid	8015NM Prep	
890-4261-22	B-19-S-1'-20230307	Total/NA	Solid	8015NM Prep	
890-4261-23	B-20-S-1'-20230307	Total/NA	Solid	8015NM Prep	
890-4261-24	B-21-S-1'-20230307	Total/NA	Solid	8015NM Prep	
MB 880-48322/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48322/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48322/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 48343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-1	SW-4-S-0-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-2	SW-5-S-0-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-3	SW-6-S-0-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-4	SW-7-S-0-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-5	B-22-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-6	B-23-S-1'-20230309	Total/NA	Solid	8015NM Prep	
MB 880-48343/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48343/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48343/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 48345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-27	B-44-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-28	B-45-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-29	B-46-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-30	B-47-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-31	B-48-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-32	B-49-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-33	B-50-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-34	B-51-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-35	B-52-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-36	B-53-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-37	B-54-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-38	B-55-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-39	B-56-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-40	B-57-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-41	B-58-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-42	B-59-S-1'-20230309	Total/NA	Solid	8015NM Prep	
MB 880-48345/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48345/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48345/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25768-27 MS	B-44-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-27 MSD	B-44-S-1'-20230309	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

GC Semi VOA

Prep Batch: 48346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-7	B-24-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-8	B-25-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-9	B-26-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-10	B-27-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-11	B-28-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-12	B-29-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-13	B-30-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-14	B-31-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-15	B-32-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-16	B-33-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-17	B-34-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-18	B-35-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-19	B-36-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-20	B-37-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-21	B-38-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-22	B-39-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-23	B-40-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-24	B-41-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-25	B-42-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-26	B-43-S-1'-20230309	Total/NA	Solid	8015NM Prep	
MB 880-48346/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48346/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48346/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25768-7 MS	B-24-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-7 MSD	B-24-S-1'-20230309	Total/NA	Solid	8015NM Prep	

Analysis Batch: 48386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-1	SW-1-S-0-2'- 20230307	Total/NA	Solid	8015B NM	48322
890-4261-2	SW-2-S-0-2'- 20230307	Total/NA	Solid	8015B NM	48322
890-4261-3	SW-3-S-0-2'- 20230307	Total/NA	Solid	8015B NM	48322
890-4261-10	B-7-S-1'-2-20230307	Total/NA	Solid	8015B NM	48322
890-4261-11	B-8-S-1'-2-20230307	Total/NA	Solid	8015B NM	48322
890-4261-12	B-9-S-1'-2-20230307	Total/NA	Solid	8015B NM	48322
890-4261-13	B-10-S-1'-20230307	Total/NA	Solid	8015B NM	48322
890-4261-14	B-11-S-1'-20230307	Total/NA	Solid	8015B NM	48322
890-4261-15	B-12-S-1'-20230307	Total/NA	Solid	8015B NM	48322
890-4261-16	B-13-S-1'-20230307	Total/NA	Solid	8015B NM	48322
890-4261-21	B-18-S-1'-20230307	Total/NA	Solid	8015B NM	48322
890-4261-22	B-19-S-1'-20230307	Total/NA	Solid	8015B NM	48322
890-4261-23	B-20-S-1'-20230307	Total/NA	Solid	8015B NM	48322
890-4261-24	B-21-S-1'-20230307	Total/NA	Solid	8015B NM	48322
MB 880-48322/1-A	Method Blank	Total/NA	Solid	8015B NM	48322
LCS 880-48322/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48322
LCSD 880-48322/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48322

Analysis Batch: 48388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-1	SW-4-S-0-1'-20230309	Total/NA	Solid	8015B NM	48343
880-25768-2	SW-5-S-0-1'-20230309	Total/NA	Solid	8015B NM	48343
880-25768-3	SW-6-S-0-1'-20230309	Total/NA	Solid	8015B NM	48343

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

GC Semi VOA (Continued)

Analysis Batch: 48388 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-4	SW-7-S-0-1'-20230309	Total/NA	Solid	8015B NM	48343
880-25768-5	B-22-S-1'-20230309	Total/NA	Solid	8015B NM	48343
880-25768-6	B-23-S-1'-20230309	Total/NA	Solid	8015B NM	48343
MB 880-48343/1-A	Method Blank	Total/NA	Solid	8015B NM	48343
LCS 880-48343/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48343
LCSD 880-48343/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48343

Analysis Batch: 48410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-27	B-44-S-1'-20230309	Total/NA	Solid	8015B NM	48345
880-25768-28	B-45-S-1'-20230309	Total/NA	Solid	8015B NM	48345
880-25768-29	B-46-S-1'-20230309	Total/NA	Solid	8015B NM	48345
880-25768-30	B-47-S-1'-20230309	Total/NA	Solid	8015B NM	48345
880-25768-31	B-48-S-1'-20230309	Total/NA	Solid	8015B NM	48345
880-25768-32	B-49-S-1'-20230309	Total/NA	Solid	8015B NM	48345
880-25768-33	B-50-S-1'-20230309	Total/NA	Solid	8015B NM	48345
880-25768-34	B-51-S-1'-20230309	Total/NA	Solid	8015B NM	48345
880-25768-35	B-52-S-1'-20230309	Total/NA	Solid	8015B NM	48345
880-25768-36	B-53-S-1'-20230309	Total/NA	Solid	8015B NM	48345
880-25768-37	B-54-S-1'-20230309	Total/NA	Solid	8015B NM	48345
880-25768-38	B-55-S-1'-20230309	Total/NA	Solid	8015B NM	48345
880-25768-39	B-56-S-1'-20230309	Total/NA	Solid	8015B NM	48345
880-25768-40	B-57-S-1'-20230309	Total/NA	Solid	8015B NM	48345
880-25768-41	B-58-S-1'-20230309	Total/NA	Solid	8015B NM	48345
880-25768-42	B-59-S-1'-20230309	Total/NA	Solid	8015B NM	48345
890-4261-17	B-14-S-1'-20230307	Total/NA	Solid	8015B NM	48262
890-4261-18	B-15-S-1'-20230307	Total/NA	Solid	8015B NM	48262
890-4261-19	B-16-S-1'-20230307	Total/NA	Solid	8015B NM	48262
890-4261-20	B-17-S-1'-20230307	Total/NA	Solid	8015B NM	48262
MB 880-48262/1-A	Method Blank	Total/NA	Solid	8015B NM	48262
MB 880-48345/1-A	Method Blank	Total/NA	Solid	8015B NM	48345
LCS 880-48262/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48262
LCS 880-48345/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48345
LCSD 880-48262/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48262
LCSD 880-48345/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48345
880-25768-27 MS	B-44-S-1'-20230309	Total/NA	Solid	8015B NM	48345
880-25768-27 MSD	B-44-S-1'-20230309	Total/NA	Solid	8015B NM	48345

Analysis Batch: 48412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-7	B-24-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-8	B-25-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-9	B-26-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-10	B-27-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-11	B-28-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-12	B-29-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-13	B-30-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-14	B-31-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-15	B-32-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-16	B-33-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-17	B-34-S-1'-20230309	Total/NA	Solid	8015B NM	48346

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

GC Semi VOA (Continued)

Analysis Batch: 48412 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-18	B-35-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-19	B-36-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-20	B-37-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-21	B-38-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-22	B-39-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-23	B-40-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-24	B-41-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-25	B-42-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-26	B-43-S-1'-20230309	Total/NA	Solid	8015B NM	48346
MB 880-48346/1-A	Method Blank	Total/NA	Solid	8015B NM	48346
LCS 880-48346/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48346
LCSD 880-48346/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48346
880-25768-7 MS	B-24-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-7 MSD	B-24-S-1'-20230309	Total/NA	Solid	8015B NM	48346

Analysis Batch: 48525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-1	SW-1-S-0-2'- 20230307	Total/NA	Solid	8015 NM	
890-4261-2	SW-2-S-0-2'- 20230307	Total/NA	Solid	8015 NM	
890-4261-3	SW-3-S-0-2'- 20230307	Total/NA	Solid	8015 NM	
890-4261-4	B-1-S-2'-2-20230307	Total/NA	Solid	8015 NM	
890-4261-5	B-2-S-2'-2-20230307	Total/NA	Solid	8015 NM	
890-4261-6	B-3-S-2'-2-20230307	Total/NA	Solid	8015 NM	
890-4261-7	B-4-S-2'-2-20230307	Total/NA	Solid	8015 NM	
890-4261-8	B-5-S-1'-2-2-20230307	Total/NA	Solid	8015 NM	
890-4261-9	B-6-S-1'-2'-2-20230307	Total/NA	Solid	8015 NM	
890-4261-10	B-7-S-1'-2-20230307	Total/NA	Solid	8015 NM	
890-4261-11	B-8-S-1'-2-20230307	Total/NA	Solid	8015 NM	
890-4261-12	B-9-S-1'-2-20230307	Total/NA	Solid	8015 NM	
890-4261-13	B-10-S-1'-20230307	Total/NA	Solid	8015 NM	
890-4261-14	B-11-S-1'-20230307	Total/NA	Solid	8015 NM	
890-4261-15	B-12-S-1'-20230307	Total/NA	Solid	8015 NM	
890-4261-16	B-13-S-1'-20230307	Total/NA	Solid	8015 NM	
890-4261-17	B-14-S-1'-20230307	Total/NA	Solid	8015 NM	
890-4261-18	B-15-S-1'-20230307	Total/NA	Solid	8015 NM	
890-4261-19	B-16-S-1'-20230307	Total/NA	Solid	8015 NM	
890-4261-20	B-17-S-1'-20230307	Total/NA	Solid	8015 NM	
890-4261-21	B-18-S-1'-20230307	Total/NA	Solid	8015 NM	
890-4261-22	B-19-S-1'-20230307	Total/NA	Solid	8015 NM	
890-4261-23	B-20-S-1'-20230307	Total/NA	Solid	8015 NM	
890-4261-24	B-21-S-1'-20230307	Total/NA	Solid	8015 NM	

Analysis Batch: 48531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-1	SW-4-S-0-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-2	SW-5-S-0-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-3	SW-6-S-0-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-4	SW-7-S-0-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-5	B-22-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-6	B-23-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-7	B-24-S-1'-20230309	Total/NA	Solid	8015 NM	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

GC Semi VOA (Continued)

Analysis Batch: 48531 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-8	B-25-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-9	B-26-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-10	B-27-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-11	B-28-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-12	B-29-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-13	B-30-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-14	B-31-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-15	B-32-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-16	B-33-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-17	B-34-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-18	B-35-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-19	B-36-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-20	B-37-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-21	B-38-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-22	B-39-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-23	B-40-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-24	B-41-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-25	B-42-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-26	B-43-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-27	B-44-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-28	B-45-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-29	B-46-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-30	B-47-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-31	B-48-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-32	B-49-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-33	B-50-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-34	B-51-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-35	B-52-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-36	B-53-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-37	B-54-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-38	B-55-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-39	B-56-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-40	B-57-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-41	B-58-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-42	B-59-S-1'-20230309	Total/NA	Solid	8015 NM	

Analysis Batch: 48705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25966-1	SW-3B-S-0-1'-20230314	Total/NA	Solid	8015B NM	48780
MB 880-48780/1-A	Method Blank	Total/NA	Solid	8015B NM	48780
LCS 880-48780/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48780
LCSD 880-48780/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48780

Prep Batch: 48780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25966-1	SW-3B-S-0-1'-20230314	Total/NA	Solid	8015NM Prep	
MB 880-48780/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48780/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48780/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

GC Semi VOA

Analysis Batch: 48852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25966-1	SW-3B-S-0-1'-20230314	Total/NA	Solid	8015 NM	

Prep Batch: 49012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26151-1	SW-1B-S-0-2'-20230320	Total/NA	Solid	8015NM Prep	
MB 880-49012/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-49012/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-49012/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 49067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26151-1	SW-1B-S-0-2'-20230320	Total/NA	Solid	8015B NM	49012
MB 880-49012/1-A	Method Blank	Total/NA	Solid	8015B NM	49012
LCS 880-49012/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	49012
LCSD 880-49012/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	49012

Analysis Batch: 49197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26151-1	SW-1B-S-0-2'-20230320	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 45234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4002-1	L-11-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-2	L-12-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-3	L-13-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-4	L-14-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-5	L-15-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-6	L-16-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-7	L-17-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-8	L-18-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-9	L-19-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-10	L-20-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-11	L-21-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-13	L-1-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-14	L-2-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-15	L-3-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-16	L-5-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-17	L-6-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-18	L-7-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-19	L-8-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-20	L-9-5-0-6' 20230131	Soluble	Solid	DI Leach	
MB 880-45234/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-45234/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-45234/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4002-1 MS	L-11-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-1 MSD	L-11-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-11 MS	L-21-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-11 MSD	L-21-5-0-6' 20230131	Soluble	Solid	DI Leach	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

HPLC/IC

Leach Batch: 45276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4002-21	L-10-5-0-6' 20230131	Soluble	Solid	DI Leach	
MB 880-45276/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-45276/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-45276/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 45416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4002-1	L-11-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-2	L-12-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-3	L-13-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-4	L-14-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-5	L-15-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-6	L-16-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-7	L-17-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-8	L-18-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-9	L-19-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-10	L-20-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-11	L-21-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-13	L-1-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-14	L-2-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-15	L-3-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-16	L-5-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-17	L-6-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-18	L-7-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-19	L-8-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-20	L-9-5-0-6' 20230131	Soluble	Solid	300.0	45234
MB 880-45234/1-A	Method Blank	Soluble	Solid	300.0	45234
LCS 880-45234/2-A	Lab Control Sample	Soluble	Solid	300.0	45234
LCSD 880-45234/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	45234
890-4002-1 MS	L-11-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-1 MSD	L-11-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-11 MS	L-21-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-11 MSD	L-21-5-0-6' 20230131	Soluble	Solid	300.0	45234

Analysis Batch: 45421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4002-21	L-10-5-0-6' 20230131	Soluble	Solid	300.0	45276
MB 880-45276/1-A	Method Blank	Soluble	Solid	300.0	45276
LCS 880-45276/2-A	Lab Control Sample	Soluble	Solid	300.0	45276
LCSD 880-45276/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	45276

Leach Batch: 48288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-41	B-58-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-42	B-59-S-1'-20230309	Soluble	Solid	DI Leach	
MB 880-48288/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48288/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48288/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25768-42 MS	B-59-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-42 MSD	B-59-S-1'-20230309	Soluble	Solid	DI Leach	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

HPLC/IC

Leach Batch: 48303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-1	SW-1-S-0-2'- 20230307	Soluble	Solid	DI Leach	
890-4261-2	SW-2-S-0-2'- 20230307	Soluble	Solid	DI Leach	
890-4261-3	SW-3-S-0-2'- 20230307	Soluble	Solid	DI Leach	
890-4261-4	B-1-S-2'-2-20230307	Soluble	Solid	DI Leach	
890-4261-5	B-2-S-2'-2-20230307	Soluble	Solid	DI Leach	
890-4261-6	B-3-S-2'-2-20230307	Soluble	Solid	DI Leach	
890-4261-7	B-4-S-2'-2-20230307	Soluble	Solid	DI Leach	
890-4261-8	B-5-S-1'-2-2-20230307	Soluble	Solid	DI Leach	
890-4261-9	B-6-S-1'-2'-2-20230307	Soluble	Solid	DI Leach	
890-4261-10	B-7-S-1'-2-20230307	Soluble	Solid	DI Leach	
890-4261-11	B-8-S-1'-2-20230307	Soluble	Solid	DI Leach	
890-4261-12	B-9-S-1'-2-20230307	Soluble	Solid	DI Leach	
890-4261-13	B-10-S-1'-20230307	Soluble	Solid	DI Leach	
890-4261-14	B-11-S-1'-20230307	Soluble	Solid	DI Leach	
890-4261-15	B-12-S-1'-20230307	Soluble	Solid	DI Leach	
890-4261-16	B-13-S-1'-20230307	Soluble	Solid	DI Leach	
890-4261-17	B-14-S-1'-20230307	Soluble	Solid	DI Leach	
890-4261-18	B-15-S-1'-20230307	Soluble	Solid	DI Leach	
890-4261-19	B-16-S-1'-20230307	Soluble	Solid	DI Leach	
890-4261-20	B-17-S-1'-20230307	Soluble	Solid	DI Leach	
MB 880-48303/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48303/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48303/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4261-1 MS	SW-1-S-0-2'- 20230307	Soluble	Solid	DI Leach	
890-4261-1 MSD	SW-1-S-0-2'- 20230307	Soluble	Solid	DI Leach	
890-4261-11 MS	B-8-S-1'-2-20230307	Soluble	Solid	DI Leach	
890-4261-11 MSD	B-8-S-1'-2-20230307	Soluble	Solid	DI Leach	

Leach Batch: 48304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-21	B-18-S-1'-20230307	Soluble	Solid	DI Leach	
890-4261-22	B-19-S-1'-20230307	Soluble	Solid	DI Leach	
890-4261-23	B-20-S-1'-20230307	Soluble	Solid	DI Leach	
890-4261-24	B-21-S-1'-20230307	Soluble	Solid	DI Leach	
MB 880-48304/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48304/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48304/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4261-21 MS	B-18-S-1'-20230307	Soluble	Solid	DI Leach	
890-4261-21 MSD	B-18-S-1'-20230307	Soluble	Solid	DI Leach	

Analysis Batch: 48311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-1	SW-1-S-0-2'- 20230307	Soluble	Solid	300.0	48303
890-4261-2	SW-2-S-0-2'- 20230307	Soluble	Solid	300.0	48303
890-4261-3	SW-3-S-0-2'- 20230307	Soluble	Solid	300.0	48303
890-4261-4	B-1-S-2'-2-20230307	Soluble	Solid	300.0	48303
890-4261-5	B-2-S-2'-2-20230307	Soluble	Solid	300.0	48303
890-4261-6	B-3-S-2'-2-20230307	Soluble	Solid	300.0	48303
890-4261-7	B-4-S-2'-2-20230307	Soluble	Solid	300.0	48303
890-4261-8	B-5-S-1'-2-2-20230307	Soluble	Solid	300.0	48303
890-4261-9	B-6-S-1'-2'-2-20230307	Soluble	Solid	300.0	48303

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

HPLC/IC (Continued)

Analysis Batch: 48311 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-10	B-7-S-1'-2-20230307	Soluble	Solid	300.0	48303
890-4261-11	B-8-S-1'-2-20230307	Soluble	Solid	300.0	48303
890-4261-12	B-9-S-1'-2-20230307	Soluble	Solid	300.0	48303
890-4261-13	B-10-S-1'-20230307	Soluble	Solid	300.0	48303
890-4261-14	B-11-S-1'-20230307	Soluble	Solid	300.0	48303
890-4261-15	B-12-S-1'-20230307	Soluble	Solid	300.0	48303
890-4261-16	B-13-S-1'-20230307	Soluble	Solid	300.0	48303
890-4261-17	B-14-S-1'-20230307	Soluble	Solid	300.0	48303
890-4261-18	B-15-S-1'-20230307	Soluble	Solid	300.0	48303
890-4261-19	B-16-S-1'-20230307	Soluble	Solid	300.0	48303
890-4261-20	B-17-S-1'-20230307	Soluble	Solid	300.0	48303
MB 880-48303/1-A	Method Blank	Soluble	Solid	300.0	48303
LCS 880-48303/2-A	Lab Control Sample	Soluble	Solid	300.0	48303
LCSD 880-48303/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48303
890-4261-1 MS	SW-1-S-0-2'- 20230307	Soluble	Solid	300.0	48303
890-4261-1 MSD	SW-1-S-0-2'- 20230307	Soluble	Solid	300.0	48303
890-4261-11 MS	B-8-S-1'-2-20230307	Soluble	Solid	300.0	48303
890-4261-11 MSD	B-8-S-1'-2-20230307	Soluble	Solid	300.0	48303

Analysis Batch: 48312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-21	B-18-S-1'-20230307	Soluble	Solid	300.0	48304
890-4261-22	B-19-S-1'-20230307	Soluble	Solid	300.0	48304
890-4261-23	B-20-S-1'-20230307	Soluble	Solid	300.0	48304
890-4261-24	B-21-S-1'-20230307	Soluble	Solid	300.0	48304
MB 880-48304/1-A	Method Blank	Soluble	Solid	300.0	48304
LCS 880-48304/2-A	Lab Control Sample	Soluble	Solid	300.0	48304
LCSD 880-48304/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48304
890-4261-21 MS	B-18-S-1'-20230307	Soluble	Solid	300.0	48304
890-4261-21 MSD	B-18-S-1'-20230307	Soluble	Solid	300.0	48304

Leach Batch: 48313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-1	SW-4-S-0-1'-20230309	Soluble	Solid	DI Leach	
880-25768-2	SW-5-S-0-1'-20230309	Soluble	Solid	DI Leach	
880-25768-3	SW-6-S-0-1'-20230309	Soluble	Solid	DI Leach	
880-25768-4	SW-7-S-0-1'-20230309	Soluble	Solid	DI Leach	
880-25768-5	B-22-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-6	B-23-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-7	B-24-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-8	B-25-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-9	B-26-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-10	B-27-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-11	B-28-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-12	B-29-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-13	B-30-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-14	B-31-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-15	B-32-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-16	B-33-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-17	B-34-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-18	B-35-S-1'-20230309	Soluble	Solid	DI Leach	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

HPLC/IC (Continued)

Leach Batch: 48313 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-19	B-36-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-20	B-37-S-1'-20230309	Soluble	Solid	DI Leach	
MB 880-48313/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48313/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48313/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25768-1 MS	SW-4-S-0-1'-20230309	Soluble	Solid	DI Leach	
880-25768-1 MSD	SW-4-S-0-1'-20230309	Soluble	Solid	DI Leach	
880-25768-11 MS	B-28-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-11 MSD	B-28-S-1'-20230309	Soluble	Solid	DI Leach	

Leach Batch: 48314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-21	B-38-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-22	B-39-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-23	B-40-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-24	B-41-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-25	B-42-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-26	B-43-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-27	B-44-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-28	B-45-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-29	B-46-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-30	B-47-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-31	B-48-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-32	B-49-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-33	B-50-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-34	B-51-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-35	B-52-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-36	B-53-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-37	B-54-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-38	B-55-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-39	B-56-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-40	B-57-S-1'-20230309	Soluble	Solid	DI Leach	
MB 880-48314/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48314/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48314/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25768-21 MS	B-38-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-21 MSD	B-38-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-31 MS	B-48-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-31 MSD	B-48-S-1'-20230309	Soluble	Solid	DI Leach	

Analysis Batch: 48324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-1	SW-4-S-0-1'-20230309	Soluble	Solid	300.0	48313
880-25768-2	SW-5-S-0-1'-20230309	Soluble	Solid	300.0	48313
880-25768-3	SW-6-S-0-1'-20230309	Soluble	Solid	300.0	48313
880-25768-4	SW-7-S-0-1'-20230309	Soluble	Solid	300.0	48313
880-25768-5	B-22-S-1'-20230309	Soluble	Solid	300.0	48313
880-25768-6	B-23-S-1'-20230309	Soluble	Solid	300.0	48313
880-25768-7	B-24-S-1'-20230309	Soluble	Solid	300.0	48313
880-25768-8	B-25-S-1'-20230309	Soluble	Solid	300.0	48313
880-25768-9	B-26-S-1'-20230309	Soluble	Solid	300.0	48313

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

HPLC/IC (Continued)

Analysis Batch: 48324 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-10	B-27-S-1'-20230309	Soluble	Solid	300.0	48313
880-25768-11	B-28-S-1'-20230309	Soluble	Solid	300.0	48313
880-25768-12	B-29-S-1'-20230309	Soluble	Solid	300.0	48313
880-25768-13	B-30-S-1'-20230309	Soluble	Solid	300.0	48313
880-25768-14	B-31-S-1'-20230309	Soluble	Solid	300.0	48313
880-25768-15	B-32-S-1'-20230309	Soluble	Solid	300.0	48313
880-25768-16	B-33-S-1'-20230309	Soluble	Solid	300.0	48313
880-25768-17	B-34-S-1'-20230309	Soluble	Solid	300.0	48313
880-25768-18	B-35-S-1'-20230309	Soluble	Solid	300.0	48313
880-25768-19	B-36-S-1'-20230309	Soluble	Solid	300.0	48313
880-25768-20	B-37-S-1'-20230309	Soluble	Solid	300.0	48313
MB 880-48313/1-A	Method Blank	Soluble	Solid	300.0	48313
LCS 880-48313/2-A	Lab Control Sample	Soluble	Solid	300.0	48313
LCSD 880-48313/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48313
880-25768-1 MS	SW-4-S-0-1'-20230309	Soluble	Solid	300.0	48313
880-25768-1 MSD	SW-4-S-0-1'-20230309	Soluble	Solid	300.0	48313
880-25768-11 MS	B-28-S-1'-20230309	Soluble	Solid	300.0	48313
880-25768-11 MSD	B-28-S-1'-20230309	Soluble	Solid	300.0	48313

Analysis Batch: 48325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-21	B-38-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-22	B-39-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-23	B-40-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-24	B-41-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-25	B-42-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-26	B-43-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-27	B-44-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-28	B-45-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-29	B-46-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-30	B-47-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-31	B-48-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-32	B-49-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-33	B-50-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-34	B-51-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-35	B-52-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-36	B-53-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-37	B-54-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-38	B-55-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-39	B-56-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-40	B-57-S-1'-20230309	Soluble	Solid	300.0	48314
MB 880-48314/1-A	Method Blank	Soluble	Solid	300.0	48314
LCS 880-48314/2-A	Lab Control Sample	Soluble	Solid	300.0	48314
LCSD 880-48314/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48314
880-25768-21 MS	B-38-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-21 MSD	B-38-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-31 MS	B-48-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-31 MSD	B-48-S-1'-20230309	Soluble	Solid	300.0	48314

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

HPLC/IC

Analysis Batch: 48327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-41	B-58-S-1'-20230309	Soluble	Solid	300.0	48288
880-25768-42	B-59-S-1'-20230309	Soluble	Solid	300.0	48288
MB 880-48288/1-A	Method Blank	Soluble	Solid	300.0	48288
LCS 880-48288/2-A	Lab Control Sample	Soluble	Solid	300.0	48288
LCSD 880-48288/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48288
880-25768-42 MS	B-59-S-1'-20230309	Soluble	Solid	300.0	48288
880-25768-42 MSD	B-59-S-1'-20230309	Soluble	Solid	300.0	48288

Leach Batch: 48646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25966-1	SW-3B-S-0-1'-20230314	Soluble	Solid	DI Leach	
MB 880-48646/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48646/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48646/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 48693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25966-1	SW-3B-S-0-1'-20230314	Soluble	Solid	300.0	48646
MB 880-48646/1-A	Method Blank	Soluble	Solid	300.0	48646
LCS 880-48646/2-A	Lab Control Sample	Soluble	Solid	300.0	48646
LCSD 880-48646/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48646

Leach Batch: 49103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26151-1	SW-1B-S-0-2'-20230320	Soluble	Solid	DI Leach	
MB 880-49103/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-49103/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-49103/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 49141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26151-1	SW-1B-S-0-2'-20230320	Soluble	Solid	300.0	49103
MB 880-49103/1-A	Method Blank	Soluble	Solid	300.0	49103
LCS 880-49103/2-A	Lab Control Sample	Soluble	Solid	300.0	49103
LCSD 880-49103/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	49103

Lab Chronicle

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: SW-4-S-0-1'-20230309 Lab Sample ID: 880-25768-1
Date Collected: 03/09/23 10:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 12:29	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48343	03/10/23 15:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48388	03/12/23 05:04	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 17:10	SMC	EET MID

Client Sample ID: SW-5-S-0-1'-20230309 Lab Sample ID: 880-25768-2
Date Collected: 03/09/23 10:10 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.99 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 12:50	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48343	03/10/23 15:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48388	03/12/23 05:26	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 17:24	SMC	EET MID

Client Sample ID: SW-6-S-0-1'-20230309 Lab Sample ID: 880-25768-3
Date Collected: 03/09/23 10:20 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 13:10	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48343	03/10/23 15:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48388	03/12/23 05:47	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 17:29	SMC	EET MID

Client Sample ID: SW-7-S-0-1'-20230309 Lab Sample ID: 880-25768-4
Date Collected: 03/09/23 10:30 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 13:31	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: SW-7-S-0-1'-20230309 Lab Sample ID: 880-25768-4

Date Collected: 03/09/23 10:30 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48343	03/10/23 15:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48388	03/12/23 06:09	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 17:34	SMC	EET MID

Client Sample ID: B-22-S-1'-20230309 Lab Sample ID: 880-25768-5

Date Collected: 03/09/23 10:40 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 13:52	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48343	03/10/23 15:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48388	03/12/23 06:30	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 17:39	SMC	EET MID

Client Sample ID: B-23-S-1'-20230309 Lab Sample ID: 880-25768-6

Date Collected: 03/09/23 10:50 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.05 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 14:12	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48343	03/10/23 15:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48388	03/12/23 06:52	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 17:53	SMC	EET MID

Client Sample ID: B-24-S-1'-20230309 Lab Sample ID: 880-25768-7

Date Collected: 03/09/23 11:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 14:33	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 12:21	SM	EET MID

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Lab Chronicle

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-24-S-1'-20230309 Lab Sample ID: 880-25768-7
Date Collected: 03/09/23 11:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 17:58	SMC	EET MID

Client Sample ID: B-25-S-1'-20230309 Lab Sample ID: 880-25768-8
Date Collected: 03/09/23 11:10 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.97 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 14:54	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 13:28	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 18:03	SMC	EET MID

Client Sample ID: B-26-S-1'-20230309 Lab Sample ID: 880-25768-9
Date Collected: 03/09/23 11:20 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.95 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 15:15	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 13:50	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 18:08	SMC	EET MID

Client Sample ID: B-27-S-1'-20230309 Lab Sample ID: 880-25768-10
Date Collected: 03/09/23 11:30 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 15:35	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 14:12	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 18:13	SMC	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-28-S-1'-20230309 Lab Sample ID: 880-25768-11
Date Collected: 03/09/23 11:40 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 16:59	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 14:34	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 18:18	SMC	EET MID

Client Sample ID: B-29-S-1'-20230309 Lab Sample ID: 880-25768-12
Date Collected: 03/09/23 11:50 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 17:20	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 14:56	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 18:32	SMC	EET MID

Client Sample ID: B-30-S-1'-20230309 Lab Sample ID: 880-25768-13
Date Collected: 03/09/23 12:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.99 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 17:41	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 15:18	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 18:37	SMC	EET MID

Client Sample ID: B-31-S-1'-20230309 Lab Sample ID: 880-25768-14
Date Collected: 03/09/23 12:10 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 18:01	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID

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Lab Chronicle

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-31-S-1'-20230309 Lab Sample ID: 880-25768-14

Date Collected: 03/09/23 12:10 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 15:39	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 18:51	SMC	EET MID

Client Sample ID: B-32-S-1'-20230309 Lab Sample ID: 880-25768-15

Date Collected: 03/09/23 12:20 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.97 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 18:22	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 16:01	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 18:56	SMC	EET MID

Client Sample ID: B-33-S-1'-20230309 Lab Sample ID: 880-25768-16

Date Collected: 03/09/23 12:30 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.95 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 18:42	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 16:23	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 19:01	SMC	EET MID

Client Sample ID: B-34-S-1'-20230309 Lab Sample ID: 880-25768-17

Date Collected: 03/09/23 12:40 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 19:03	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 17:07	SM	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-34-S-1'-20230309 Lab Sample ID: 880-25768-17
Date Collected: 03/09/23 12:40 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/11/23 09:53	SMC	EET MID

Client Sample ID: B-35-S-1'-20230309 Lab Sample ID: 880-25768-18
Date Collected: 03/09/23 12:50 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 19:24	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 17:29	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 19:07	SMC	EET MID

Client Sample ID: B-36-S-1'-20230309 Lab Sample ID: 880-25768-19
Date Collected: 03/09/23 13:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 19:44	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 17:51	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 19:12	SMC	EET MID

Client Sample ID: B-37-S-1'-20230309 Lab Sample ID: 880-25768-20
Date Collected: 03/09/23 13:10 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.97 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 20:05	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 18:12	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	48324	03/11/23 12:16	SMC	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-38-S-1'-20230309
Date Collected: 03/09/23 13:20
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.96 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 15:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 18:34	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	48325	03/11/23 00:12	SMC	EET MID

Client Sample ID: B-39-S-1'-20230309
Date Collected: 03/09/23 13:30
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 15:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 18:56	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	48325	03/11/23 00:26	SMC	EET MID

Client Sample ID: B-40-S-1'-20230309
Date Collected: 03/09/23 00:00
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 16:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 19:18	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48325	03/11/23 00:31	SMC	EET MID

Client Sample ID: B-41-S-1'-20230309
Date Collected: 03/09/23 00:00
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 16:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-41-S-1'-20230309
Date Collected: 03/09/23 00:00
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 19:41	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48325	03/11/23 00:36	SMC	EET MID

Client Sample ID: B-42-S-1'-20230309
Date Collected: 03/09/23 00:00
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.99 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 16:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 20:03	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48325	03/11/23 00:41	SMC	EET MID

Client Sample ID: B-43-S-1'-20230309
Date Collected: 03/09/23 00:00
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 17:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 20:25	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48325	03/11/23 00:55	SMC	EET MID

Client Sample ID: B-44-S-1'-20230309
Date Collected: 03/09/23 00:00
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 17:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48345	03/10/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 12:21	SM	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-44-S-1'-20230309 Lab Sample ID: 880-25768-27
Date Collected: 03/09/23 00:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48325	03/11/23 01:00	SMC	EET MID

Client Sample ID: B-45-S-1'-20230309 Lab Sample ID: 880-25768-28
Date Collected: 03/09/23 00:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 17:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48345	03/10/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 13:28	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48325	03/11/23 01:05	SMC	EET MID

Client Sample ID: B-46-S-1'-20230309 Lab Sample ID: 880-25768-29
Date Collected: 03/09/23 00:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.97 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 18:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48345	03/10/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 13:50	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48325	03/11/23 01:10	SMC	EET MID

Client Sample ID: B-47-S-1'-20230309 Lab Sample ID: 880-25768-30
Date Collected: 03/09/23 00:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.98 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 18:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48345	03/10/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 14:12	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48325	03/11/23 01:15	SMC	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-48-S-1'-20230309
Date Collected: 03/09/23 00:00
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 20:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48345	03/10/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 14:34	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48325	03/11/23 01:19	SMC	EET MID

Client Sample ID: B-49-S-1'-20230309
Date Collected: 03/09/23 00:00
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 20:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48345	03/10/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 14:56	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48325	03/11/23 01:34	SMC	EET MID

Client Sample ID: B-50-S-1'-20230309
Date Collected: 03/09/23 00:00
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 21:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48345	03/10/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 15:18	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48325	03/11/23 01:39	SMC	EET MID

Client Sample ID: B-51-S-1'-20230309
Date Collected: 03/09/23 15:30
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.05 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 21:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-51-S-1'-20230309
Date Collected: 03/09/23 15:30
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48345	03/10/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 15:39	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48325	03/11/23 01:53	SMC	EET MID

Client Sample ID: B-52-S-1'-20230309
Date Collected: 03/09/23 15:40
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-35
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.99 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 21:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48345	03/10/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 16:01	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48325	03/11/23 01:58	SMC	EET MID

Client Sample ID: B-53-S-1'-20230309
Date Collected: 03/09/23 15:50
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-36
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 22:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48345	03/10/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 16:23	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48325	03/11/23 02:03	SMC	EET MID

Client Sample ID: B-54-S-1'-20230309
Date Collected: 03/09/23 16:00
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-37
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 22:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48345	03/10/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 17:07	SM	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-54-S-1'-20230309 Lab Sample ID: 880-25768-37
Date Collected: 03/09/23 16:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48325	03/11/23 02:08	SMC	EET MID

Client Sample ID: B-55-S-1'-20230309 Lab Sample ID: 880-25768-38
Date Collected: 03/09/23 16:10 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 22:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48345	03/10/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 17:29	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48325	03/11/23 02:13	SMC	EET MID

Client Sample ID: B-56-S-1'-20230309 Lab Sample ID: 880-25768-39
Date Collected: 03/09/23 16:20 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 23:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10 g	10 mL	48345	03/10/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 17:51	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	48325	03/11/23 02:17	SMC	EET MID

Client Sample ID: B-57-S-1'-20230309 Lab Sample ID: 880-25768-40
Date Collected: 03/09/23 16:30 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.97 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 23:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48345	03/10/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 18:12	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48325	03/11/23 02:22	SMC	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-58-S-1'-20230309 Lab Sample ID: 880-25768-41

Date Collected: 03/09/23 16:40 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	48951	03/20/23 08:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48949	03/20/23 13:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 16:30	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48345	03/10/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 18:34	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48288	03/10/23 12:00	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48327	03/11/23 14:34	SMC	EET MID

Client Sample ID: B-59-S-1'-20230309 Lab Sample ID: 880-25768-42

Date Collected: 03/09/23 16:50 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48951	03/20/23 08:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48949	03/20/23 13:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 16:30	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48345	03/10/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 18:56	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	48288	03/10/23 12:00	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48327	03/11/23 14:38	SMC	EET MID

Client Sample ID: SW-3B-S-0-1'-20230314 Lab Sample ID: 880-25966-1

Date Collected: 03/14/23 12:00 **Matrix: Solid**
Date Received: 03/15/23 11:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	48712	03/16/23 09:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48707	03/16/23 20:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48997	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48852	03/17/23 15:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48780	03/16/23 14:57	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48705	03/16/23 22:15	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48646	03/15/23 16:30	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48693	03/17/23 06:45	SMC	EET MID

Client Sample ID: SW-1B-S-0-2'-20230320 Lab Sample ID: 880-26151-1

Date Collected: 03/20/23 15:20 **Matrix: Solid**
Date Received: 03/21/23 08:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.05 g	5 mL	49091	03/21/23 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49077	03/21/23 15:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49148	03/21/23 17:33	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: SW-1B-S-0-2'-20230320 Lab Sample ID: 880-26151-1

Date Collected: 03/20/23 15:20 **Matrix: Solid**
Date Received: 03/21/23 08:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49197	03/22/23 11:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49012	03/21/23 09:05	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49067	03/21/23 19:13	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	49103	03/21/23 10:23	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49141	03/21/23 15:16	SMC	EET MID

Client Sample ID: L-11-5-0-6' 20230131 Lab Sample ID: 890-4002-1

Date Collected: 01/31/23 12:10 **Matrix: Solid**
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 15:27	CH	EET MID

Client Sample ID: L-12-5-0-6' 20230131 Lab Sample ID: 890-4002-2

Date Collected: 01/31/23 12:20 **Matrix: Solid**
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 15:41	CH	EET MID

Client Sample ID: L-13-5-0-6' 20230131 Lab Sample ID: 890-4002-3

Date Collected: 01/31/23 12:30 **Matrix: Solid**
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 15:46	CH	EET MID

Client Sample ID: L-14-5-0-6' 20230131 Lab Sample ID: 890-4002-4

Date Collected: 01/31/23 13:40 **Matrix: Solid**
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 15:51	CH	EET MID

Client Sample ID: L-15-5-0-6' 20230131 Lab Sample ID: 890-4002-5

Date Collected: 01/31/23 13:50 **Matrix: Solid**
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 15:55	CH	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: L-16-5-0-6' 20230131 Lab Sample ID: 890-4002-6
Date Collected: 01/31/23 12:40 **Matrix: Solid**
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 16:09	CH	EET MID

Client Sample ID: L-17-5-0-6' 20230131 Lab Sample ID: 890-4002-7
Date Collected: 01/31/23 12:50 **Matrix: Solid**
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 16:14	CH	EET MID

Client Sample ID: L-18-5-0-6' 20230131 Lab Sample ID: 890-4002-8
Date Collected: 01/31/23 13:00 **Matrix: Solid**
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 16:19	CH	EET MID

Client Sample ID: L-19-5-0-6' 20230131 Lab Sample ID: 890-4002-9
Date Collected: 01/31/23 13:10 **Matrix: Solid**
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 16:23	CH	EET MID

Client Sample ID: L-20-5-0-6' 20230131 Lab Sample ID: 890-4002-10
Date Collected: 01/31/23 13:30 **Matrix: Solid**
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 16:28	CH	EET MID

Client Sample ID: L-21-5-0-6' 20230131 Lab Sample ID: 890-4002-11
Date Collected: 01/31/23 14:20 **Matrix: Solid**
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 16:33	CH	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: L-1-5-0-6' 20230131 — Lab Sample ID: 890-4002-13

Date Collected: 01/31/23 11:00 — **Matrix: Solid**
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 16:51	CH	EET MID

Client Sample ID: L-2-5-0-6' 20230131 — Lab Sample ID: 890-4002-14

Date Collected: 01/31/23 11:10 — **Matrix: Solid**
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 17:05	CH	EET MID

Client Sample ID: L-3-5-0-6' 20230131 — Lab Sample ID: 890-4002-15

Date Collected: 01/31/23 10:50 — **Matrix: Solid**
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 17:10	CH	EET MID

Client Sample ID: L-5-5-0-6' 20230131 — Lab Sample ID: 890-4002-16

Date Collected: 01/31/23 11:20 — **Matrix: Solid**
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 17:15	CH	EET MID

Client Sample ID: L-6-5-0-6' 20230131 — Lab Sample ID: 890-4002-17

Date Collected: 01/31/23 14:10 — **Matrix: Solid**
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 17:19	CH	EET MID

Client Sample ID: L-7-5-0-6' 20230131 — Lab Sample ID: 890-4002-18

Date Collected: 01/31/23 11:30 — **Matrix: Solid**
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 17:24	CH	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: L-8-5-0-6' 20230131

Lab Sample ID: 890-4002-19
Matrix: Solid
Date Collected: 01/31/23 11:40
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 17:29	CH	EET MID

Client Sample ID: L-9-5-0-6' 20230131

Lab Sample ID: 890-4002-20
Matrix: Solid
Date Collected: 01/31/23 11:50
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 17:33	CH	EET MID

Client Sample ID: L-10-5-0-6' 20230131

Lab Sample ID: 890-4002-21
Matrix: Solid
Date Collected: 01/31/23 12:00
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	45276	02/02/23 15:16	KS	EET MID
Soluble	Analysis	300.0		1			45421	02/03/23 20:39	CH	EET MID

Client Sample ID: SW-1-S-0-2'- 20230307

Lab Sample ID: 890-4261-1
Matrix: Solid
Date Collected: 03/07/23 10:00
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.05 g	5 mL	48309	03/10/23 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/10/23 17:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/13/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48322	03/10/23 13:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48386	03/11/23 14:56	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 12:00	CH	EET MID

Client Sample ID: SW-2-S-0-2'- 20230307

Lab Sample ID: 890-4261-2
Matrix: Solid
Date Collected: 03/07/23 10:10
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	48309	03/10/23 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/10/23 18:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/13/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48322	03/10/23 13:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48386	03/11/23 15:19	SM	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: SW-2-S-0-2'- 20230307

Lab Sample ID: 890-4261-2
Date Collected: 03/07/23 10:10
Matrix: Solid
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 12:14	CH	EET MID

Client Sample ID: SW-3-S-0-2'- 20230307

Lab Sample ID: 890-4261-3
Date Collected: 03/07/23 10:20
Matrix: Solid
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	48309	03/10/23 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/10/23 18:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/13/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48322	03/10/23 13:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48386	03/11/23 15:41	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 12:19	CH	EET MID

Client Sample ID: B-1-S-2'-2-20230307

Lab Sample ID: 890-4261-4
Date Collected: 03/07/23 10:30
Matrix: Solid
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	48199	03/09/23 10:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48285	03/10/23 12:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/10/23 17:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	48252	03/09/23 15:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48274	03/10/23 13:53	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 12:24	CH	EET MID

Client Sample ID: B-2-S-2'-2-20230307

Lab Sample ID: 890-4261-5
Date Collected: 03/07/23 10:40
Matrix: Solid
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48199	03/09/23 10:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48285	03/10/23 13:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/10/23 17:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	48252	03/09/23 15:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48274	03/10/23 14:16	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 12:29	CH	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-3-S-2'-2-20230307
Date Collected: 03/07/23 10:50
Date Received: 03/08/23 16:12

Lab Sample ID: 890-4261-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	48199	03/09/23 10:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48285	03/10/23 13:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/10/23 17:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	48252	03/09/23 15:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48274	03/10/23 14:37	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 12:43	CH	EET MID

Client Sample ID: B-4-S-2'-2-20230307
Date Collected: 03/07/23 11:00
Date Received: 03/08/23 16:12

Lab Sample ID: 890-4261-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48199	03/09/23 10:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48285	03/10/23 13:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/10/23 17:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	48252	03/09/23 15:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48274	03/10/23 15:00	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 12:48	CH	EET MID

Client Sample ID: B-5-S-1'-2-2-20230307
Date Collected: 03/07/23 11:10
Date Received: 03/08/23 16:12

Lab Sample ID: 890-4261-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.97 g	5 mL	48199	03/09/23 10:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48285	03/10/23 14:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/10/23 17:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	48252	03/09/23 15:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48274	03/10/23 15:44	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 12:53	CH	EET MID

Client Sample ID: B-6-S-1'-2'-2-20230307
Date Collected: 03/07/23 11:20
Date Received: 03/08/23 16:12

Lab Sample ID: 890-4261-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.99 g	5 mL	48199	03/09/23 10:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48285	03/10/23 14:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/10/23 17:20	AJ	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-6-S-1'-2'-2-20230307

Lab Sample ID: 890-4261-9
Matrix: Solid
Date Collected: 03/07/23 11:20
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	48252	03/09/23 15:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48274	03/10/23 16:07	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 12:58	CH	EET MID

Client Sample ID: B-7-S-1'-2-20230307

Lab Sample ID: 890-4261-10
Matrix: Solid
Date Collected: 03/07/23 11:30
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48309	03/10/23 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/10/23 18:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/13/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48322	03/10/23 13:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48386	03/11/23 16:03	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		5			48311	03/10/23 13:03	CH	EET MID

Client Sample ID: B-8-S-1'-2-20230307

Lab Sample ID: 890-4261-11
Matrix: Solid
Date Collected: 03/07/23 11:40
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	48309	03/10/23 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/10/23 22:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/13/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48322	03/10/23 13:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48386	03/11/23 16:47	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 13:07	CH	EET MID

Client Sample ID: B-9-S-1'-2-20230307

Lab Sample ID: 890-4261-12
Matrix: Solid
Date Collected: 03/07/23 11:50
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	48309	03/10/23 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/10/23 22:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/13/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48322	03/10/23 13:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48386	03/11/23 17:10	SM	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-9-S-1'-2-20230307 Lab Sample ID: 890-4261-12

Date Collected: 03/07/23 11:50 **Matrix: Solid**
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 13:22	CH	EET MID

Client Sample ID: B-10-S-1'-20230307 Lab Sample ID: 890-4261-13

Date Collected: 03/07/23 12:00 **Matrix: Solid**
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48309	03/10/23 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/10/23 23:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/13/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48322	03/10/23 13:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48386	03/11/23 17:32	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 13:27	CH	EET MID

Client Sample ID: B-11-S-1'-20230307 Lab Sample ID: 890-4261-14

Date Collected: 03/07/23 12:10 **Matrix: Solid**
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.99 g	5 mL	48309	03/10/23 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/10/23 23:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/13/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48322	03/10/23 13:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48386	03/11/23 17:54	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 13:41	CH	EET MID

Client Sample ID: B-12-S-1'-20230307 Lab Sample ID: 890-4261-15

Date Collected: 03/07/23 12:50 **Matrix: Solid**
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	48309	03/10/23 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/10/23 23:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/13/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48322	03/10/23 13:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48386	03/11/23 18:16	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 13:46	CH	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-13-S-1'-20230307 Lab Sample ID: 890-4261-16

Date Collected: 03/07/23 13:00 **Matrix: Solid**
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	48309	03/10/23 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/11/23 00:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/13/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48322	03/10/23 13:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48386	03/11/23 18:38	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 13:51	CH	EET MID

Client Sample ID: B-14-S-1'-20230307 Lab Sample ID: 890-4261-17

Date Collected: 03/07/23 13:10 **Matrix: Solid**
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	48309	03/10/23 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/11/23 00:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/13/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48262	03/09/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/13/23 05:02	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 13:56	CH	EET MID

Client Sample ID: B-15-S-1'-20230307 Lab Sample ID: 890-4261-18

Date Collected: 03/07/23 13:20 **Matrix: Solid**
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	48309	03/10/23 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/11/23 00:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/13/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	48262	03/09/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/13/23 05:24	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 14:01	CH	EET MID

Client Sample ID: B-16-S-1'-20230307 Lab Sample ID: 890-4261-19

Date Collected: 03/07/23 13:30 **Matrix: Solid**
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48309	03/10/23 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/11/23 01:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/13/23 18:25	AJ	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-16-S-1'-20230307
Date Collected: 03/07/23 13:30
Date Received: 03/08/23 16:12

Lab Sample ID: 890-4261-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			48525	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48262	03/09/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/13/23 05:45	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 14:06	CH	EET MID

Client Sample ID: B-17-S-1'-20230307
Date Collected: 03/07/23 13:40
Date Received: 03/08/23 16:12

Lab Sample ID: 890-4261-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.98 g	5 mL	48309	03/10/23 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/11/23 01:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/13/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48262	03/09/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/13/23 06:07	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 14:10	CH	EET MID

Client Sample ID: B-18-S-1'-20230307
Date Collected: 03/07/23 13:50
Date Received: 03/08/23 16:12

Lab Sample ID: 890-4261-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48192	03/09/23 10:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48425	03/13/23 19:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/15/23 17:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48322	03/10/23 13:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48386	03/11/23 19:00	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	48304	03/10/23 10:27	KS	EET MID
Soluble	Analysis	300.0		5			48312	03/10/23 15:04	SMC	EET MID

Client Sample ID: B-19-S-1'-20230307
Date Collected: 03/07/23 14:00
Date Received: 03/08/23 16:12

Lab Sample ID: 890-4261-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.97 g	5 mL	48192	03/09/23 10:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48425	03/13/23 19:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/15/23 17:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48322	03/10/23 13:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48386	03/11/23 19:22	SM	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-19-S-1'-20230307 Lab Sample ID: 890-4261-22

Date Collected: 03/07/23 14:00 **Matrix: Solid**
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	48304	03/10/23 10:27	KS	EET MID
Soluble	Analysis	300.0		1			48312	03/10/23 15:18	SMC	EET MID

Client Sample ID: B-20-S-1'-20230307 Lab Sample ID: 890-4261-23

Date Collected: 03/07/23 14:10 **Matrix: Solid**
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.95 g	5 mL	48192	03/09/23 10:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48425	03/13/23 19:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/15/23 17:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48322	03/10/23 13:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48386	03/11/23 19:44	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	48304	03/10/23 10:27	KS	EET MID
Soluble	Analysis	300.0		1			48312	03/10/23 15:23	SMC	EET MID

Client Sample ID: B-21-S-1'-20230307 Lab Sample ID: 890-4261-24

Date Collected: 03/07/23 14:20 **Matrix: Solid**
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	48192	03/09/23 10:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48425	03/13/23 20:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/15/23 17:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48322	03/10/23 13:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48386	03/11/23 20:05	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	48304	03/10/23 10:27	KS	EET MID
Soluble	Analysis	300.0		5			48312	03/10/23 15:28	SMC	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5030B	Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International
EPA = US Environmental Protection Agency
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-25768-1	SW-4-S-0-1'-20230309	Solid	03/09/23 10:00	03/10/23 10:20
880-25768-2	SW-5-S-0-1'-20230309	Solid	03/09/23 10:10	03/10/23 10:20
880-25768-3	SW-6-S-0-1'-20230309	Solid	03/09/23 10:20	03/10/23 10:20
880-25768-4	SW-7-S-0-1'-20230309	Solid	03/09/23 10:30	03/10/23 10:20
880-25768-5	B-22-S-1'-20230309	Solid	03/09/23 10:40	03/10/23 10:20
880-25768-6	B-23-S-1'-20230309	Solid	03/09/23 10:50	03/10/23 10:20
880-25768-7	B-24-S-1'-20230309	Solid	03/09/23 11:00	03/10/23 10:20
880-25768-8	B-25-S-1'-20230309	Solid	03/09/23 11:10	03/10/23 10:20
880-25768-9	B-26-S-1'-20230309	Solid	03/09/23 11:20	03/10/23 10:20
880-25768-10	B-27-S-1'-20230309	Solid	03/09/23 11:30	03/10/23 10:20
880-25768-11	B-28-S-1'-20230309	Solid	03/09/23 11:40	03/10/23 10:20
880-25768-12	B-29-S-1'-20230309	Solid	03/09/23 11:50	03/10/23 10:20
880-25768-13	B-30-S-1'-20230309	Solid	03/09/23 12:00	03/10/23 10:20
880-25768-14	B-31-S-1'-20230309	Solid	03/09/23 12:10	03/10/23 10:20
880-25768-15	B-32-S-1'-20230309	Solid	03/09/23 12:20	03/10/23 10:20
880-25768-16	B-33-S-1'-20230309	Solid	03/09/23 12:30	03/10/23 10:20
880-25768-17	B-34-S-1'-20230309	Solid	03/09/23 12:40	03/10/23 10:20
880-25768-18	B-35-S-1'-20230309	Solid	03/09/23 12:50	03/10/23 10:20
880-25768-19	B-36-S-1'-20230309	Solid	03/09/23 13:00	03/10/23 10:20
880-25768-20	B-37-S-1'-20230309	Solid	03/09/23 13:10	03/10/23 10:20
880-25768-21	B-38-S-1'-20230309	Solid	03/09/23 13:20	03/10/23 10:20
880-25768-22	B-39-S-1'-20230309	Solid	03/09/23 13:30	03/10/23 10:20
880-25768-23	B-40-S-1'-20230309	Solid	03/09/23 00:00	03/10/23 10:20
880-25768-24	B-41-S-1'-20230309	Solid	03/09/23 00:00	03/10/23 10:20
880-25768-25	B-42-S-1'-20230309	Solid	03/09/23 00:00	03/10/23 10:20
880-25768-26	B-43-S-1'-20230309	Solid	03/09/23 00:00	03/10/23 10:20
880-25768-27	B-44-S-1'-20230309	Solid	03/09/23 00:00	03/10/23 10:20
880-25768-28	B-45-S-1'-20230309	Solid	03/09/23 00:00	03/10/23 10:20
880-25768-29	B-46-S-1'-20230309	Solid	03/09/23 00:00	03/10/23 10:20
880-25768-30	B-47-S-1'-20230309	Solid	03/09/23 00:00	03/10/23 10:20
880-25768-31	B-48-S-1'-20230309	Solid	03/09/23 00:00	03/10/23 10:20
880-25768-32	B-49-S-1'-20230309	Solid	03/09/23 00:00	03/10/23 10:20
880-25768-33	B-50-S-1'-20230309	Solid	03/09/23 00:00	03/10/23 10:20
880-25768-34	B-51-S-1'-20230309	Solid	03/09/23 15:30	03/10/23 10:20
880-25768-35	B-52-S-1'-20230309	Solid	03/09/23 15:40	03/10/23 10:20
880-25768-36	B-53-S-1'-20230309	Solid	03/09/23 15:50	03/10/23 10:20
880-25768-37	B-54-S-1'-20230309	Solid	03/09/23 16:00	03/10/23 10:20
880-25768-38	B-55-S-1'-20230309	Solid	03/09/23 16:10	03/10/23 10:20
880-25768-39	B-56-S-1'-20230309	Solid	03/09/23 16:20	03/10/23 10:20
880-25768-40	B-57-S-1'-20230309	Solid	03/09/23 16:30	03/10/23 10:20
880-25768-41	B-58-S-1'-20230309	Solid	03/09/23 16:40	03/10/23 10:20
880-25768-42	B-59-S-1'-20230309	Solid	03/09/23 16:50	03/10/23 10:20
880-25966-1	SW-3B-S-0-1'-20230314	Solid	03/14/23 12:00	03/15/23 11:53
880-26151-1	SW-1B-S-0-2'-20230320	Solid	03/20/23 15:20	03/21/23 08:10
890-4002-1	L-11-5-0-6' 20230131	Solid	01/31/23 12:10	01/31/23 16:12
890-4002-2	L-12-5-0-6' 20230131	Solid	01/31/23 12:20	01/31/23 16:12
890-4002-3	L-13-5-0-6' 20230131	Solid	01/31/23 12:30	01/31/23 16:12
890-4002-4	L-14-5-0-6' 20230131	Solid	01/31/23 13:40	01/31/23 16:12
890-4002-5	L-15-5-0-6' 20230131	Solid	01/31/23 13:50	01/31/23 16:12
890-4002-6	L-16-5-0-6' 20230131	Solid	01/31/23 12:40	01/31/23 16:12
890-4002-7	L-17-5-0-6' 20230131	Solid	01/31/23 12:50	01/31/23 16:12
890-4002-8	L-18-5-0-6' 20230131	Solid	01/31/23 13:00	01/31/23 16:12
890-4002-9	L-19-5-0-6' 20230131	Solid	01/31/23 13:10	01/31/23 16:12
890-4002-10	L-20-5-0-6' 20230131	Solid	01/31/23 13:30	01/31/23 16:12

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-4002-11	L-21-5-0-6' 20230131	Solid	01/31/23 14:20	01/31/23 16:12
890-4002-13	L-1-5-0-6' 20230131	Solid	01/31/23 11:00	01/31/23 16:12
890-4002-14	L-2-5-0-6' 20230131	Solid	01/31/23 11:10	01/31/23 16:12
890-4002-15	L-3-5-0-6' 20230131	Solid	01/31/23 10:50	01/31/23 16:12
890-4002-16	L-5-5-0-6' 20230131	Solid	01/31/23 11:20	01/31/23 16:12
890-4002-17	L-6-5-0-6' 20230131	Solid	01/31/23 14:10	01/31/23 16:12
890-4002-18	L-7-5-0-6' 20230131	Solid	01/31/23 11:30	01/31/23 16:12
890-4002-19	L-8-5-0-6' 20230131	Solid	01/31/23 11:40	01/31/23 16:12
890-4002-20	L-9-5-0-6' 20230131	Solid	01/31/23 11:50	01/31/23 16:12
890-4002-21	L-10-5-0-6' 20230131	Solid	01/31/23 12:00	01/31/23 16:12
890-4261-1	SW-1-S-0-2'- 20230307	Solid	03/07/23 10:00	03/08/23 16:12
890-4261-2	SW-2-S-0-2'- 20230307	Solid	03/07/23 10:10	03/08/23 16:12
890-4261-3	SW-3-S-0-2'- 20230307	Solid	03/07/23 10:20	03/08/23 16:12
890-4261-4	B-1-S-2'-2-20230307	Solid	03/07/23 10:30	03/08/23 16:12
890-4261-5	B-2-S-2'-2-20230307	Solid	03/07/23 10:40	03/08/23 16:12
890-4261-6	B-3-S-2'-2-20230307	Solid	03/07/23 10:50	03/08/23 16:12
890-4261-7	B-4-S-2'-2-20230307	Solid	03/07/23 11:00	03/08/23 16:12
890-4261-8	B-5-S-1'-2-2-20230307	Solid	03/07/23 11:10	03/08/23 16:12
890-4261-9	B-6-S-1'-2'-2-20230307	Solid	03/07/23 11:20	03/08/23 16:12
890-4261-10	B-7-S-1'-2-20230307	Solid	03/07/23 11:30	03/08/23 16:12
890-4261-11	B-8-S-1'-2-20230307	Solid	03/07/23 11:40	03/08/23 16:12
890-4261-12	B-9-S-1'-2-20230307	Solid	03/07/23 11:50	03/08/23 16:12
890-4261-13	B-10-S-1'-20230307	Solid	03/07/23 12:00	03/08/23 16:12
890-4261-14	B-11-S-1'-20230307	Solid	03/07/23 12:10	03/08/23 16:12
890-4261-15	B-12-S-1'-20230307	Solid	03/07/23 12:50	03/08/23 16:12
890-4261-16	B-13-S-1'-20230307	Solid	03/07/23 13:00	03/08/23 16:12
890-4261-17	B-14-S-1'-20230307	Solid	03/07/23 13:10	03/08/23 16:12
890-4261-18	B-15-S-1'-20230307	Solid	03/07/23 13:20	03/08/23 16:12
890-4261-19	B-16-S-1'-20230307	Solid	03/07/23 13:30	03/08/23 16:12
890-4261-20	B-17-S-1'-20230307	Solid	03/07/23 13:40	03/08/23 16:12
890-4261-21	B-18-S-1'-20230307	Solid	03/07/23 13:50	03/08/23 16:12
890-4261-22	B-19-S-1'-20230307	Solid	03/07/23 14:00	03/08/23 16:12
890-4261-23	B-20-S-1'-20230307	Solid	03/07/23 14:10	03/08/23 16:12
890-4261-24	B-21-S-1'-20230307	Solid	03/07/23 14:20	03/08/23 16:12

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Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Phone (432) 704-5440

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Daniel McGee	Lab PM: Builes, John	Carrier Tracking No(s):	COC No: 880-5082-625.1
Client Contact: Justin Nixon	Phone: 432-999-7980	E-Mail: John.Builes@et.eurofinsus.com	State of Origin: NM	Page: Page 2 of 3
Company: ARCADIS U.S., Inc.	PWSID:			Job #:
Address: 1004 North Big Spring Suite 300	Due Date Requested:			
City: Midland	TAT Requested (days): 3 Day 24 HR Rush			
State, Zip: TX, 79701	Compliance Project: Δ Yes Δ No			
Phone: 432-296-9547(Tel)	PO #: Purchase Order Requested			
Email: Justin.Nixon@arcadis.com	WO #:			
Project Name: Chevron Old Indian Draw Gathering Line	Project #: 88001631			
Site: Eddy County	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

890-4261 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D, 8015MOD_NM, 8021B, MOISTURE, 2540C	Total Number of con	Special Instructions/Note:
			Preservation Code:				N		
SW-1-S-0-2'-20230307	3-7-23	1000	C	Solid			X	1	
SW-2-S-0-1'-20230307		1010		Solid			X	1	
SW-3-S-0-2'-20230307		1020		Solid			X	1	
B-1-S-2'-20230307		1030		Solid			X	1	
B-2-S-2'-20230307		1040		Solid			X	1	
B-3-S-2'-20230307		1050		Solid			X	1	
B-4-S-2'-20230307		1100		Solid			X	1	
B-5-S-1'-2'-20230307		1110		Solid			X	1	
B-6-S-1'-2'-20230307		1120		Solid			X	1	
~~B-7-S-1'-20230307~~		1130		Solid			X	1	
B-8-S-1'-20230307	3-7-23	1140	C	Solid			X	1	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
	[signature]	3-8-23 1110	Arcadis	[signature]	3-8-23 1612	
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 4.2/4.0 -0.2 TNM-007

Ver: 01/16/2019

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Released to Imaging: 6/3/2024 10:47:50 AM
3/24/2023 (Rev. 1)
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Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Phone (432) 704-5440

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Daniel McGee	Lab PM: Builes, John	Carrier Tracking No(s):	COC No: 880-5082-625.2
Client Contact: Justin Nixon	Phone: 432-999-7980	E-Mail: John.Builes@et.eurofinsus.com	State of Origin: N.M	Page: Page ~~2 of 3~~ 2 of 3
Company: ARCADIS U.S., Inc.	PWSID:			Job #:

Address: 1004 North Big Spring Suite 300	Due Date Requested:
City: Midland	TAT Requested (days): ~~3 Day~~ 24 HR Rush
State, Zip: TX, 79701	Compliance Project: Δ Yes Δ No
Phone: 432-296-9547(Tel)	PO #: Purchase Order Requested
Email: Justin.Nixon@arcadis.com	WO #:
Project Name: Chevron Old Indian Draw Gathering Line	Project #: 88001631
Site: Eddy County	SSOW#:

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D, 8015MOD_NM, 8021B, MOISTURE, 2540G	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
B-9-S-1'-20230307	3-7-23	1150	C	Solid			X	1	
~~PM~~ B-10-S-1'-20230307		1200		Solid			X	1	
B-11-S-1'-20230307		1210		Solid			X	1	
B-12-S-1'-20230307		~~PM 1230~~ 1230		Solid			X	1	
B-13-S-1'-20230307		~~PM 1230~~ 1230		Solid			X	1	
B-14-S-1'-20230307		~~PM 1240~~ 1240		Solid			X	1	
B-15-S-1'-20230307		1320		Solid			X	1	
B-16-S-1'-20230307		1330		Solid			X	1	
B-17-S-1'-20230307		1340		Solid			X	1	
B-18-S-1'-20230307		1350		Solid			X	1	
B-19-S-1'-20230307	3-7-23	1400	C	Solid			X	1	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	3-8-23 1610	Arcadis	Amanda Stut	3-8-23 1612	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

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Received by OCD: 5/14/2024 10:08:57 AM
3/24/2023 (Rev. 1)
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Released to Imaging: 6/3/2024 10:47:50 AM

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Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Phone (432) 704-5440

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Daniel McGee	Lab PM: Builes, John	Carrier Tracking No(s):	COC No: 880-5082-625.3
Client Contact: Justin Nixon	Phone: (432-999-2980	E-Mail: John.Builes@et.eurofinsus.com	State of Origin: N.M	Page: Page 3 ~~of 0~~ of 3
Company: ARCADIS U.S., Inc.	PWSID:	Analysis Requested		Job #:
Address: 1004 North Big Spring Suite 300	Due Date Requested:			Preservation Codes:
City: Midland	TAT Requested (days): ~~3 Day~~ 24 HR Rush			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
State, Zip: TX, 79701	Compliance Project: Δ Yes Δ No			
Phone: 432-296-9547(Tel)	PO #: Purchase Order Requested			Other:
Email: Justin.Nixon@arcadis.com	WO #:			
Project Name: Chevron Old Indian Draw Gathering Line	Project #: 88001631			
Site: Eddy County	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D, 8015MOD_NM, 8021B, ~~MOISTURE~~ 2540G	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
B-20-S-1'-20230307	3-7-23	1410	C	Solid			X	1	
B-21-S-1'-20230307	3-7-23	1420	C	Solid			X	1	
				Solid					
				Solid					
				Solid					
				Solid					
				Solid					
				Solid					
				Solid					
				Solid					
				Solid					

Acl 3-8-23

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:				
Relinquished by:	Date/Time: 3-8-23 1610	Company: Arcadis	Received by: Amanda Stuff	Date/Time: 3-8-23 1612	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

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3/24/2023 (Rev. 1)
Received by OCD: 5/14/2024 10:08:57 AM
Released to Imaging: 6/3/2024 10:47:50 AM

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 890-4261-1
SDG Number: 88001631

Login Number: 4261
List Number: 1
Creator: Stutzman, Amanda

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	Refer to job narrative
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	N/A	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 890-4261-1
SDG Number: 88001631

Login Number: 4261
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 03/10/23 10:53 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	True	

Arcadis U.S., Inc.
10205 Westheimer Road, Suite 800
Houston
Texas 77042
Phone: 713 953 4800
Fax: 713 977 4620
www.arcadis.com

Appendix D

2023 Soil Remediation Photographic Log

ARCADIS

PHOTOGRAPHIC LOG

Property Name:	Location:	Case No.
Old Indian Draw Gathering Line Northern Area	Eddy County, NM	NCLB0525655219

Photo No.	Date:
1	02/23/2023

Direction Photo Taken:

Facing N

Description:

Area excavated to solid rock layer at 1 to 2 feet bgs.

ARCADIS

PHOTOGRAPHIC LOG

Property Name:	Location:	Case No.
Old Indian Draw Gathering Line Northern Area	Eddy County, NM	NCLB0525655219

Photo No.	Date:
2	02/23/2023

Direction Photo Taken:

Facing NW

Description:

Additional view of excavation area.

ARCADIS

PHOTOGRAPHIC LOG

Property Name:	Location:	Case No.
Old Indian Draw Gathering Line Northern Area	Eddy County, NM	NCLB0525655219

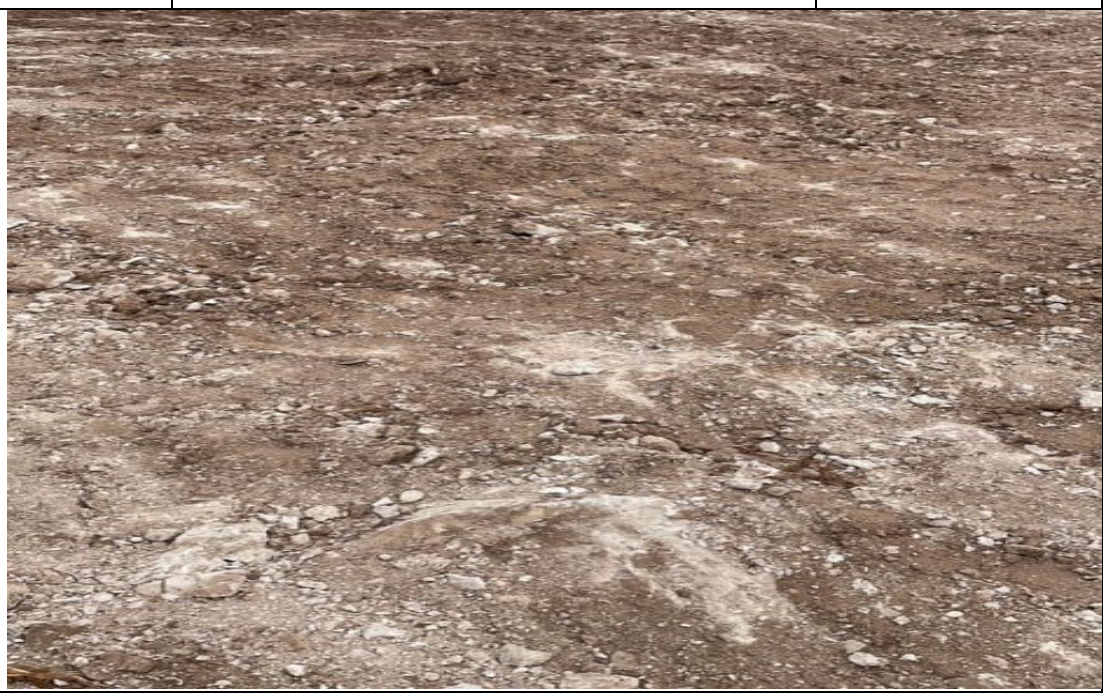
Photo No.	Date:
3	02/23/2023

Direction Photo Taken:

N

Description:

View if solid rock layer in release area at a depth of approxiamtely 1 foot bgs.



ARCADIS

PHOTOGRAPHIC LOG

Property Name:	Location:	Case No.
Old Indian Draw Gathering Line Northern Area	Eddy County, NM	NCLB0525655219

Photo No.	Date:
4	09/20/2023

Direction Photo Taken:

S

Description:

View of backfilled excavation.

ARCADIS

PHOTOGRAPHIC LOG

Property Name:	Location:	Case No.
Old Indian Draw Gathering Line Northern Area	Eddy County, NM	NCLB0525655219

Photo No.	Date:
5	08/10/2023

Direction Photo Taken:

NW

Description:

View of lined excavation. Spread gypsum prior to backfill.

Appendix E

Laboratory Analytical Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Justin Nixon
ARCADIS U.S., Inc.
1004 North Big Spring
Suite 300
Midland, Texas 79701

Generated 3/24/2023 2:50:31 PM Revision 1

JOB DESCRIPTION

Chevron Old Indian Draw Gathering Line
SDG NUMBER 88001631

JOB NUMBER

890-4261-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 6/3/2024 10:47:30 AM

Eurofins Carlsbad

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated
3/24/2023 2:50:31 PM
Revision 1

Authorized for release by
John Builes, Project Manager
John.Builes@et.eurofinsus.com
(561)558-4549

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Laboratory Job ID: 890-4261-1
SDG: 88001631

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Lab Chronicle 113
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Method Summary 138
Sample Summary 139
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Definitions/Glossary

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
B	Compound was found in the blank and sample.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control

Definitions/Glossary

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Job ID: 890-4261-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-4002-1

Receipt
The samples were received on 1/31/2023 4:12 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.4°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: L-11-5-0-6' 20230131 (890-4002-1), L-12-5-0-6' 20230131 (890-4002-2), L-13-5-0-6' 20230131 (890-4002-3), L-14-5-0-6' 20230131 (890-4002-4), L-15-5-0-6' 20230131 (890-4002-5), L-16-5-0-6' 20230131 (890-4002-6), L-17-5-0-6' 20230131 (890-4002-7), L-18-5-0-6' 20230131 (890-4002-8), L-19-5-0-6' 20230131 (890-4002-9), L-20-5-0-6' 20230131 (890-4002-10), L-21-5-0-6' 20230131 (890-4002-11), C-1--5-0-6' 20230131 (890-4002-12), L-1-5-0-6' 20230131 (890-4002-13), L-2-5-0-6' 20230131 (890-4002-14), L-3-5-0-6' 20230131 (890-4002-15), L-5-5-0-6' 20230131 (890-4002-16), L-6-5-0-6' 20230131 (890-4002-17), L-7-5-0-6' 20230131 (890-4002-18), L-8-5-0-6' 20230131 (890-4002-19), L-9-5-0-6' 20230131 (890-4002-20), L-10-5-0-6' 20230131 (890-4002-21), G-35-5-0-6' 20230131 (890-4002-22) and G-36-5-0-6' 20230131 (890-4002-23).

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Narrative

Job Narrative
890-4261-1

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 3/15/2023. The report (revision 1) is being revised due to: Revised report to correct transcription error in Client Sample ID.

Receipt
The samples were received on 3/8/2023 4:12 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.0º C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW-1-S-0-2'- 20230307 (890-4261-1), SW-2-S-0-2'- 20230307 (890-4261-2), SW-3-S-0-2'- 20230307 (890-4261-3), B-1-S-2'-2-20230307 (890-4261-4), B-2-S-2'-2-20230307 (890-4261-5), B-3-S-2'-2-20230307 (890-4261-6), B-4-S-2'-2-20230307 (890-4261-7), B-5-S-1'-2-2-20230307 (890-4261-8), B-6-S-1'-2'-2-20230307 (890-4261-9), B-7-S-1'-2-20230307 (890-4261-10), B-8-S-1'-2-20230307 (890-4261-11), B-9-S-1'-2-20230307 (890-4261-12), B-10-S-1'-20230307 (890-4261-13), B-11-S-1'-20230307 (890-4261-14), B-12-S-1'-20230307 (890-4261-15), B-13-S-1'-20230307 (890-4261-16), B-14-S-1'-20230307 (890-4261-17), B-15-S-1'-20230307 (890-4261-18), B-16-S-1'-20230307 (890-4261-19), B-17-S-1'-20230307 (890-4261-20), B-18-S-1'-20230307 (890-4261-21), B-19-S-1'-20230307 (890-4261-22), B-20-S-1'-20230307 (890-4261-23) and B-21-S-1'-20230307 (890-4261-24).

GC VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
Method 8015B NM: The method blank for preparation batch 880-48322 and analytical batch 880-48386 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Case Narrative

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Job ID: 890-4261-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

Method 8015B NM: The surrogate recovery for the blank associated with preparation batch 880-48252 and analytical batch 880-48274 was outside the upper control limits.

Method 8015B NM: The method blank for preparation batch 880-48252 and analytical batch 880-48274 contained OII Range Organics (Over C28-C36) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48252 and analytical batch 880-48274 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015B NM: The surrogate recovery for the blank associated with preparation batch 880-48262 and analytical batch 880-48410 was outside the upper control limits.

Method 8015B NM: The method blank for preparation batch 880-48262 and analytical batch 880-48410 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-48303 and 880-48303 and analytical batch 880-48311 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48304 and analytical batch 880-48312 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: B-18-S-1'-20230307 (890-4261-21), B-19-S-1'-20230307 (890-4261-22), B-20-S-1'-20230307 (890-4261-23), B-21-S-1'-20230307 (890-4261-24) and (890-4261-A-21-D MSD).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-25768-1

Receipt
The samples were received on 3/10/2023 10:20 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.3°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: SW-4-S-0-1'-20230309 (880-25768-1), SW-5-S-0-1'-20230309 (880-25768-2), SW-6-S-0-1'-20230309 (880-25768-3), SW-7-S-0-1'-20230309 (880-25768-4), B-22-S-1'-20230309 (880-25768-5), B-23-S-1'-20230309 (880-25768-6), B-24-S-1'-20230309 (880-25768-7), B-25-S-1'-20230309 (880-25768-8), B-26-S-1'-20230309 (880-25768-9), B-27-S-1'-20230309 (880-25768-10), B-28-S-1'-20230309 (880-25768-11),

Case Narrative

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Job ID: 890-4261-1 (Continued)

Laboratory: Eurofins Midland (Continued)

B-29-S-1'-20230309 (880-25768-12), B-30-S-1'-20230309 (880-25768-13), B-31-S-1'-20230309 (880-25768-14), B-32-S-1'-20230309 (880-25768-15), B-33-S-1'-20230309 (880-25768-16), B-34-S-1'-20230309 (880-25768-17), B-35-S-1'-20230309 (880-25768-18), B-36-S-1'-20230309 (880-25768-19), B-37-S-1'-20230309 (880-25768-20), B-38-S-1'-20230309 (880-25768-21), B-39-S-1'-20230309 (880-25768-22), B-40-S-1'-20230309 (880-25768-23), B-41-S-1'-20230309 (880-25768-24), B-42-S-1'-20230309 (880-25768-25), B-43-S-1'-20230309 (880-25768-26), B-44-S-1'-20230309 (880-25768-27), B-45-S-1'-20230309 (880-25768-28), B-46-S-1'-20230309 (880-25768-29), B-47-S-1'-20230309 (880-25768-30), B-48-S-1'-20230309 (880-25768-31), B-49-S-1'-20230309 (880-25768-32), B-50-S-1'-20230309 (880-25768-33), B-51-S-1'-20230309 (880-25768-34), B-52-S-1'-20230309 (880-25768-35), B-53-S-1'-20230309 (880-25768-36), B-54-S-1'-20230309 (880-25768-37), B-55-S-1'-20230309 (880-25768-38), B-56-S-1'-20230309 (880-25768-39), B-57-S-1'-20230309 (880-25768-40), B-58-S-1'-20230309 (880-25768-41) and B-59-S-1'-20230309 (880-25768-42).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48843 and analytical batch 880-48882 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: B-22-S-1'-20230309 (880-25768-5), B-28-S-1'-20230309 (880-25768-11), B-29-S-1'-20230309 (880-25768-12), B-30-S-1'-20230309 (880-25768-13), B-31-S-1'-20230309 (880-25768-14), B-32-S-1'-20230309 (880-25768-15) and B-37-S-1'-20230309 (880-25768-20). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48844 and analytical batch 880-48914 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-48343 and analytical batch 880-48388 was outside the upper control limits.

Method 8015MOD_NM: The method blank for preparation batch 880-48343 and analytical batch 880-48388 contained Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (880-25768-A-7-C MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-48346 and analytical batch 880-48412 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: B-29-S-1'-20230309 (880-25768-12) and B-30-S-1'-20230309 (880-25768-13). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: B-36-S-1'-20230309 (880-25768-19). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-48346 and analytical batch 880-48412 was outside control limits. Sample non-homogeneity is suspected.

Method 8015MOD_NM: The method blank for preparation batch 880-48345 and analytical batch 880-48410 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL);

Case Narrative

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Job ID: 890-4261-1 (Continued)

Laboratory: Eurofins Midland (Continued)

therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-48345 and analytical batch 880-48410 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48313 and 880-48313 and analytical batch 880-48324 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.The associated samples are: SW-4-S-0-1'-20230309 (880-25768-1), SW-5-S-0-1'-20230309 (880-25768-2), SW-6-S-0-1'-20230309 (880-25768-3), SW-7-S-0-1'-20230309 (880-25768-4), B-22-S-1'-20230309 (880-25768-5), B-23-S-1'-20230309 (880-25768-6), B-24-S-1'-20230309 (880-25768-7), B-25-S-1'-20230309 (880-25768-8), B-26-S-1'-20230309 (880-25768-9), B-27-S-1'-20230309 (880-25768-10), (880-25768-A-1-B MS) and (880-25768-A-1-C MSD).

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48313 and 880-48313 and analytical batch 880-48324 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.The associated samples are: B-28-S-1'-20230309 (880-25768-11), B-29-S-1'-20230309 (880-25768-12), B-30-S-1'-20230309 (880-25768-13), B-31-S-1'-20230309 (880-25768-14), B-32-S-1'-20230309 (880-25768-15), B-33-S-1'-20230309 (880-25768-16), B-34-S-1'-20230309 (880-25768-17), B-35-S-1'-20230309 (880-25768-18), B-36-S-1'-20230309 (880-25768-19), B-37-S-1'-20230309 (880-25768-20), (880-25768-A-11-B MS) and (880-25768-A-11-C MSD).

Method 300_ORGFM_28D: The method blank for preparation batch 880-48314 and analytical batch 880-48325 contained Chloride above the method detection limit (MDL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.(MB 880-48314/1-A)

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48314 and analytical batch 880-48325 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.The associated samples are: B-38-S-1'-20230309 (880-25768-21), B-39-S-1'-20230309 (880-25768-22), B-40-S-1'-20230309 (880-25768-23), B-41-S-1'-20230309 (880-25768-24), B-42-S-1'-20230309 (880-25768-25), B-43-S-1'-20230309 (880-25768-26), B-44-S-1'-20230309 (880-25768-27), B-45-S-1'-20230309 (880-25768-28), B-46-S-1'-20230309 (880-25768-29), B-47-S-1'-20230309 (880-25768-30), (880-25768-A-21-B MS) and (880-25768-A-21-C MSD).

Method 300_ORGFM_28D: The method blank for preparation batch 880-48313 and analytical batch 880-48324 contained Chloride above the method detection limit (MDL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.(MB 880-48313/1-A)

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48288 and analytical batch 880-48327 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.The associated sample is: B-58-S-1'-20230309 (880-25768-41).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Narrative

Job Narrative
880-25966-1

Receipt

Case Narrative

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Job ID: 890-4261-1 (Continued)

Laboratory: Eurofins Midland (Continued)

The sample was received on 3/15/2023 11:53 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.5°C

Receipt Exceptions
The following sample was received and analyzed from an unpreserved bulk soil jar: SW-3B-S-0-1'-20230314 (880-25966-1).

GC VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Narrative

Job Narrative
880-26151-1

Receipt
The sample was received on 3/21/2023 8:10 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.3°C

Receipt Exceptions
The following samples analyzed for method <TPH 8015> were received and analyzed from an unpreserved bulk soil jar

GC VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-49012 and analytical batch 880-49067 was outside the upper control limits.

Method 8015MOD_NM: The method blank for preparation batch 880-49012 and analytical batch 880-49067 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: SW-4-S-0-1'-20230309 Lab Sample ID: 880-25768-1

Date Collected: 03/09/23 10:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1 F2	0.00200	0.000384	mg/Kg		03/17/23 13:09	03/18/23 12:29	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		03/17/23 13:09	03/18/23 12:29	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		03/17/23 13:09	03/18/23 12:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:09	03/18/23 12:29	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		03/17/23 13:09	03/18/23 12:29	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:09	03/18/23 12:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*03/17/23 13:09*	*03/18/23 12:29*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*03/17/23 13:09*	*03/18/23 12:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**40.9**	**J**	49.9	15.0	mg/Kg			03/13/23 17:02	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**20.7**	**J B**	49.9	15.0	mg/Kg		03/10/23 15:45	03/12/23 05:04	1
Diesel Range Organics (Over C10-C28)	**20.2**	**J B**	49.9	15.0	mg/Kg		03/10/23 15:45	03/12/23 05:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:45	03/12/23 05:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*03/10/23 15:45*	*03/12/23 05:04*	*1*
o-Terphenyl	*108*		*70 - 130*	*03/10/23 15:45*	*03/12/23 05:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**68.7**	**B F1**	4.97	0.393	mg/Kg			03/10/23 17:10	1

Client Sample ID: SW-5-S-0-1'-20230309 Lab Sample ID: 880-25768-2

Date Collected: 03/09/23 10:10 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000386	mg/Kg		03/17/23 13:09	03/18/23 12:50	1
Toluene	<0.00200	U	0.00200	0.000457	mg/Kg		03/17/23 13:09	03/18/23 12:50	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg		03/17/23 13:09	03/18/23 12:50	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		03/17/23 13:09	03/18/23 12:50	1
o-Xylene	<0.00200	U	0.00200	0.000345	mg/Kg		03/17/23 13:09	03/18/23 12:50	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg		03/17/23 13:09	03/18/23 12:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/17/23 13:09*	*03/18/23 12:50*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*03/17/23 13:09*	*03/18/23 12:50*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: SW-5-S-0-1'-20230309 Lab Sample ID: 880-25768-2

Date Collected: 03/09/23 10:10 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	0.00101	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**35.6**	**J**	50.0	15.0	mg/Kg			03/13/23 17:02	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**19.3**	**J B**	50.0	15.0	mg/Kg		03/10/23 15:45	03/12/23 05:26	1
Diesel Range Organics (Over C10-C28)	**16.3**	**J B**	50.0	15.0	mg/Kg		03/10/23 15:45	03/12/23 05:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:45	03/12/23 05:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*03/10/23 15:45*	*03/12/23 05:26*	*1*
o-Terphenyl	*109*		*70 - 130*	*03/10/23 15:45*	*03/12/23 05:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**122**	**B**	5.04	0.398	mg/Kg			03/10/23 17:24	1

Client Sample ID: SW-6-S-0-1'-20230309 Lab Sample ID: 880-25768-3

Date Collected: 03/09/23 10:20 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/17/23 13:09	03/18/23 13:10	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		03/17/23 13:09	03/18/23 13:10	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		03/17/23 13:09	03/18/23 13:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		03/17/23 13:09	03/18/23 13:10	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		03/17/23 13:09	03/18/23 13:10	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		03/17/23 13:09	03/18/23 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*03/17/23 13:09*	*03/18/23 13:10*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*03/17/23 13:09*	*03/18/23 13:10*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**65.2**		49.9	15.0	mg/Kg			03/13/23 17:02	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**41.0**	**J B**	49.9	15.0	mg/Kg		03/10/23 15:45	03/12/23 05:47	1
Diesel Range Organics (Over C10-C28)	**24.2**	**J B**	49.9	15.0	mg/Kg		03/10/23 15:45	03/12/23 05:47	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: SW-6-S-0-1'-20230309 Lab Sample ID: 880-25768-3

Date Collected: 03/09/23 10:20 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:45	03/12/23 05:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*03/10/23 15:45*	*03/12/23 05:47*	*1*
o-Terphenyl	*125*		*70 - 130*	*03/10/23 15:45*	*03/12/23 05:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**548**	**B**	5.02	0.397	mg/Kg			03/10/23 17:29	1

Client Sample ID: SW-7-S-0-1'-20230309 Lab Sample ID: 880-25768-4

Date Collected: 03/09/23 10:30 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/17/23 13:09	03/18/23 13:31	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		03/17/23 13:09	03/18/23 13:31	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		03/17/23 13:09	03/18/23 13:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		03/17/23 13:09	03/18/23 13:31	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		03/17/23 13:09	03/18/23 13:31	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		03/17/23 13:09	03/18/23 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*03/17/23 13:09*	*03/18/23 13:31*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*03/17/23 13:09*	*03/18/23 13:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**46.1**	**J**	49.9	15.0	mg/Kg			03/13/23 17:02	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**28.0**	**J B**	49.9	15.0	mg/Kg		03/10/23 15:45	03/12/23 06:09	1
Diesel Range Organics (Over C10-C28)	**18.1**	**J B**	49.9	15.0	mg/Kg		03/10/23 15:45	03/12/23 06:09	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:45	03/12/23 06:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*03/10/23 15:45*	*03/12/23 06:09*	*1*
o-Terphenyl	*100*		*70 - 130*	*03/10/23 15:45*	*03/12/23 06:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**512**	**B**	4.99	0.394	mg/Kg			03/10/23 17:34	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-22-S-1'-20230309

Lab Sample ID: 880-25768-5
Matrix: Solid
Date Collected: 03/09/23 10:40
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000468**	**J**	0.00200	0.000384	mg/Kg		03/17/23 13:09	03/18/23 13:52	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		03/17/23 13:09	03/18/23 13:52	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		03/17/23 13:09	03/18/23 13:52	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:09	03/18/23 13:52	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		03/17/23 13:09	03/18/23 13:52	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:09	03/18/23 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*49*	*S1-*	*70 - 130*	*03/17/23 13:09*	*03/18/23 13:52*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*03/17/23 13:09*	*03/18/23 13:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**63.7**		50.0	15.0	mg/Kg			03/13/23 17:02	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**36.0**	**J B**	50.0	15.0	mg/Kg		03/10/23 15:45	03/12/23 06:30	1
Diesel Range Organics (Over C10-C28)	**27.7**	**J B**	50.0	15.0	mg/Kg		03/10/23 15:45	03/12/23 06:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:45	03/12/23 06:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*03/10/23 15:45*	*03/12/23 06:30*	*1*
o-Terphenyl	*122*		*70 - 130*	*03/10/23 15:45*	*03/12/23 06:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**238**	**B**	4.97	0.393	mg/Kg			03/10/23 17:39	1

Client Sample ID: B-23-S-1'-20230309

Lab Sample ID: 880-25768-6
Matrix: Solid
Date Collected: 03/09/23 10:50
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000381	mg/Kg		03/17/23 13:09	03/18/23 14:12	1
Toluene	<0.00198	U	0.00198	0.000451	mg/Kg		03/17/23 13:09	03/18/23 14:12	1
Ethylbenzene	<0.00198	U	0.00198	0.000559	mg/Kg		03/17/23 13:09	03/18/23 14:12	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00100	mg/Kg		03/17/23 13:09	03/18/23 14:12	1
o-Xylene	<0.00198	U	0.00198	0.000341	mg/Kg		03/17/23 13:09	03/18/23 14:12	1
Xylenes, Total	<0.00396	U	0.00396	0.00100	mg/Kg		03/17/23 13:09	03/18/23 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*03/17/23 13:09*	*03/18/23 14:12*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*03/17/23 13:09*	*03/18/23 14:12*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-23-S-1'-20230309

Lab Sample ID: 880-25768-6
Matrix: Solid
Date Collected: 03/09/23 10:50
Date Received: 03/10/23 10:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	0.00100	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**85.6**		49.9	15.0	mg/Kg			03/13/23 17:02	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**24.6**	**J B**	49.9	15.0	mg/Kg		03/10/23 15:45	03/12/23 06:52	1
Diesel Range Organics (Over C10-C28)	**43.4**	**J B**	49.9	15.0	mg/Kg		03/10/23 15:45	03/12/23 06:52	1
Oil Range Organics (Over C28-C36)	**17.6**	**J**	49.9	15.0	mg/Kg		03/10/23 15:45	03/12/23 06:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*03/10/23 15:45*	*03/12/23 06:52*	*1*
o-Terphenyl	*119*		*70 - 130*	*03/10/23 15:45*	*03/12/23 06:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**700**	**B**	5.00	0.395	mg/Kg			03/10/23 17:53	1

Client Sample ID: B-24-S-1'-20230309

Lab Sample ID: 880-25768-7
Matrix: Solid
Date Collected: 03/09/23 11:00
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		03/17/23 13:09	03/18/23 14:33	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		03/17/23 13:09	03/18/23 14:33	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		03/17/23 13:09	03/18/23 14:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:09	03/18/23 14:33	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		03/17/23 13:09	03/18/23 14:33	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:09	03/18/23 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*03/17/23 13:09*	*03/18/23 14:33*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*03/17/23 13:09*	*03/18/23 14:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**17.7**	**J**	49.9	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**17.7**	**J F2**	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 12:21	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-24-S-1'-20230309 Lab Sample ID: 880-25768-7

Date Collected: 03/09/23 11:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U F2	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 12:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 12:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*03/10/23 15:51*	*03/12/23 12:21*	*1*
o-Terphenyl	*120*		*70 - 130*	*03/10/23 15:51*	*03/12/23 12:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**208**	**B**	5.00	0.395	mg/Kg			03/10/23 17:58	1

Client Sample ID: B-25-S-1'-20230309 Lab Sample ID: 880-25768-8

Date Collected: 03/09/23 11:10 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		03/17/23 13:09	03/18/23 14:54	1
Toluene	<0.00201	U	0.00201	0.000459	mg/Kg		03/17/23 13:09	03/18/23 14:54	1
Ethylbenzene	<0.00201	U	0.00201	0.000568	mg/Kg		03/17/23 13:09	03/18/23 14:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00102	mg/Kg		03/17/23 13:09	03/18/23 14:54	1
o-Xylene	<0.00201	U	0.00201	0.000346	mg/Kg		03/17/23 13:09	03/18/23 14:54	1
Xylenes, Total	<0.00402	U	0.00402	0.00102	mg/Kg		03/17/23 13:09	03/18/23 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*03/17/23 13:09*	*03/18/23 14:54*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*03/17/23 13:09*	*03/18/23 14:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00102	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**57.1**		50.0	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**41.4**	**J**	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 13:28	1
Diesel Range Organics (Over C10-C28)	**15.7**	**J**	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 13:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*03/10/23 15:51*	*03/12/23 13:28*	*1*
o-Terphenyl	*127*		*70 - 130*	*03/10/23 15:51*	*03/12/23 13:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**342**	**B**	5.03	0.397	mg/Kg			03/10/23 18:03	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-26-S-1'-20230309 Lab Sample ID: 880-25768-9

Date Collected: 03/09/23 11:20 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000389	mg/Kg		03/17/23 13:09	03/18/23 15:15	1
Toluene	<0.00202	U	0.00202	0.000461	mg/Kg		03/17/23 13:09	03/18/23 15:15	1
Ethylbenzene	<0.00202	U	0.00202	0.000571	mg/Kg		03/17/23 13:09	03/18/23 15:15	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00102	mg/Kg		03/17/23 13:09	03/18/23 15:15	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		03/17/23 13:09	03/18/23 15:15	1
Xylenes, Total	<0.00404	U	0.00404	0.00102	mg/Kg		03/17/23 13:09	03/18/23 15:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*03/17/23 13:09*	*03/18/23 15:15*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*03/17/23 13:09*	*03/18/23 15:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	0.00102	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 13:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 13:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*03/10/23 15:51*	*03/12/23 13:50*	*1*
o-Terphenyl	*118*		*70 - 130*	*03/10/23 15:51*	*03/12/23 13:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**202**	**B**	5.05	0.399	mg/Kg			03/10/23 18:08	1

Client Sample ID: B-27-S-1'-20230309 Lab Sample ID: 880-25768-10

Date Collected: 03/09/23 11:30 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/17/23 13:09	03/18/23 15:35	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		03/17/23 13:09	03/18/23 15:35	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		03/17/23 13:09	03/18/23 15:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		03/17/23 13:09	03/18/23 15:35	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		03/17/23 13:09	03/18/23 15:35	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		03/17/23 13:09	03/18/23 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*03/17/23 13:09*	*03/18/23 15:35*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*03/17/23 13:09*	*03/18/23 15:35*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-27-S-1'-20230309

Lab Sample ID: 880-25768-10
Matrix: Solid
Date Collected: 03/09/23 11:30
Date Received: 03/10/23 10:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**18.7**	**J**	49.9	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**18.7**	**J**	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 14:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 14:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*03/10/23 15:51*	*03/12/23 14:12*	*1*
o-Terphenyl	*123*		*70 - 130*	*03/10/23 15:51*	*03/12/23 14:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**142**	**B**	5.02	0.397	mg/Kg			03/10/23 18:13	1

Client Sample ID: B-28-S-1'-20230309

Lab Sample ID: 880-25768-11
Matrix: Solid
Date Collected: 03/09/23 11:40
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00184**	**J**	0.00199	0.000383	mg/Kg		03/17/23 13:09	03/18/23 16:59	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		03/17/23 13:09	03/18/23 16:59	1
Ethylbenzene	**0.00156**	**J**	0.00199	0.000562	mg/Kg		03/17/23 13:09	03/18/23 16:59	1
m-Xylene & p-Xylene	**0.00309**	**J**	0.00398	0.00100	mg/Kg		03/17/23 13:09	03/18/23 16:59	1
o-Xylene	**0.00113**	**J**	0.00199	0.000342	mg/Kg		03/17/23 13:09	03/18/23 16:59	1
Xylenes, Total	**0.00422**		0.00398	0.00100	mg/Kg		03/17/23 13:09	03/18/23 16:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*56*	*S1-*	*70 - 130*	*03/17/23 13:09*	*03/18/23 16:59*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*03/17/23 13:09*	*03/18/23 16:59*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00762**		0.00398	0.00100	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**30.0**	**J**	49.9	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**30.0**	**J**	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 14:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 14:34	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-28-S-1'-20230309

Lab Sample ID: 880-25768-11
Matrix: Solid
Date Collected: 03/09/23 11:40
Date Received: 03/10/23 10:20

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*03/10/23 15:51*	*03/12/23 14:34*	*1*
o-Terphenyl	*117*		*70 - 130*	*03/10/23 15:51*	*03/12/23 14:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**133**	**B F1**	5.00	0.395	mg/Kg			03/10/23 18:18	1

Client Sample ID: B-29-S-1'-20230309

Lab Sample ID: 880-25768-12
Matrix: Solid
Date Collected: 03/09/23 11:50
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000766**	**J**	0.00200	0.000384	mg/Kg		03/17/23 13:09	03/18/23 17:20	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		03/17/23 13:09	03/18/23 17:20	1
Ethylbenzene	**0.000640**	**J**	0.00200	0.000564	mg/Kg		03/17/23 13:09	03/18/23 17:20	1
m-Xylene & p-Xylene	**0.00146**	**J**	0.00399	0.00101	mg/Kg		03/17/23 13:09	03/18/23 17:20	1
o-Xylene	**0.000480**	**J**	0.00200	0.000343	mg/Kg		03/17/23 13:09	03/18/23 17:20	1
Xylenes, Total	**0.00194**	**J**	0.00399	0.00101	mg/Kg		03/17/23 13:09	03/18/23 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*50*	*S1-*	*70 - 130*	*03/17/23 13:09*	*03/18/23 17:20*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*03/17/23 13:09*	*03/18/23 17:20*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00335**	**J**	0.00399	0.00101	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**34.9**	**J**	50.0	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**19.9**	**J**	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 14:56	1
Diesel Range Organics (Over C10-C28)	**15.0**	**J**	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 14:56	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*03/10/23 15:51*	*03/12/23 14:56*	*1*
o-Terphenyl	*139*	*S1+*	*70 - 130*	*03/10/23 15:51*	*03/12/23 14:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**462**	**B**	4.97	0.393	mg/Kg			03/10/23 18:32	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-30-S-1'-20230309 Lab Sample ID: 880-25768-13

Date Collected: 03/09/23 12:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000386	mg/Kg		03/17/23 13:09	03/18/23 17:41	1
Toluene	<0.00200	U	0.00200	0.000457	mg/Kg		03/17/23 13:09	03/18/23 17:41	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg		03/17/23 13:09	03/18/23 17:41	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		03/17/23 13:09	03/18/23 17:41	1
o-Xylene	<0.00200	U	0.00200	0.000345	mg/Kg		03/17/23 13:09	03/18/23 17:41	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg		03/17/23 13:09	03/18/23 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*03/17/23 13:09*	*03/18/23 17:41*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*03/17/23 13:09*	*03/18/23 17:41*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	0.00101	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**63.6**		50.0	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**26.1**	**J**	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 15:18	1
Diesel Range Organics (Over C10-C28)	**37.5**	**J**	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 15:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 15:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*03/10/23 15:51*	*03/12/23 15:18*	*1*
o-Terphenyl	*139*	*S1+*	*70 - 130*	*03/10/23 15:51*	*03/12/23 15:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**212**	**B**	4.95	0.391	mg/Kg			03/10/23 18:37	1

Client Sample ID: B-31-S-1'-20230309 Lab Sample ID: 880-25768-14

Date Collected: 03/09/23 12:10 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		03/17/23 13:09	03/18/23 18:01	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		03/17/23 13:09	03/18/23 18:01	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		03/17/23 13:09	03/18/23 18:01	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:09	03/18/23 18:01	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		03/17/23 13:09	03/18/23 18:01	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:09	03/18/23 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*54*	*S1-*	*70 - 130*	*03/17/23 13:09*	*03/18/23 18:01*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*03/17/23 13:09*	*03/18/23 18:01*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-31-S-1'-20230309

Lab Sample ID: 880-25768-14
Matrix: Solid
Date Collected: 03/09/23 12:10
Date Received: 03/10/23 10:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 15:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 15:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*03/10/23 15:51*	*03/12/23 15:39*	*1*
o-Terphenyl	*121*		*70 - 130*	*03/10/23 15:51*	*03/12/23 15:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**118**	**B**	4.96	0.392	mg/Kg			03/10/23 18:51	1

Client Sample ID: B-32-S-1'-20230309

Lab Sample ID: 880-25768-15
Matrix: Solid
Date Collected: 03/09/23 12:20
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000530**	**J**	0.00201	0.000387	mg/Kg		03/17/23 13:09	03/18/23 18:22	1
Toluene	<0.00201	U	0.00201	0.000459	mg/Kg		03/17/23 13:09	03/18/23 18:22	1
Ethylbenzene	<0.00201	U	0.00201	0.000568	mg/Kg		03/17/23 13:09	03/18/23 18:22	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00102	mg/Kg		03/17/23 13:09	03/18/23 18:22	1
o-Xylene	<0.00201	U	0.00201	0.000346	mg/Kg		03/17/23 13:09	03/18/23 18:22	1
Xylenes, Total	<0.00402	U	0.00402	0.00102	mg/Kg		03/17/23 13:09	03/18/23 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*51*	*S1-*	*70 - 130*	*03/17/23 13:09*	*03/18/23 18:22*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/17/23 13:09*	*03/18/23 18:22*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00102	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**31.2**	**J**	49.9	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 16:01	1
Diesel Range Organics (Over C10-C28)	**31.2**	**J**	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 16:01	1

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Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-32-S-1'-20230309 Lab Sample ID: 880-25768-15

Date Collected: 03/09/23 12:20 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*03/10/23 15:51*	*03/12/23 16:01*	*1*
o-Terphenyl	*118*		*70 - 130*	*03/10/23 15:51*	*03/12/23 16:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1090**	**B**	5.02	0.397	mg/Kg			03/10/23 18:56	1

Client Sample ID: B-33-S-1'-20230309 Lab Sample ID: 880-25768-16

Date Collected: 03/09/23 12:30 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000389	mg/Kg		03/17/23 13:09	03/18/23 18:42	1
Toluene	<0.00202	U	0.00202	0.000461	mg/Kg		03/17/23 13:09	03/18/23 18:42	1
Ethylbenzene	<0.00202	U	0.00202	0.000571	mg/Kg		03/17/23 13:09	03/18/23 18:42	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00102	mg/Kg		03/17/23 13:09	03/18/23 18:42	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		03/17/23 13:09	03/18/23 18:42	1
Xylenes, Total	<0.00404	U	0.00404	0.00102	mg/Kg		03/17/23 13:09	03/18/23 18:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*03/17/23 13:09*	*03/18/23 18:42*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*03/17/23 13:09*	*03/18/23 18:42*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	0.00102	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**21.7**	**J**	49.9	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 16:23	1
Diesel Range Organics (Over C10-C28)	**21.7**	**J**	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 16:23	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*03/10/23 15:51*	*03/12/23 16:23*	*1*
o-Terphenyl	*122*		*70 - 130*	*03/10/23 15:51*	*03/12/23 16:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**481**	**B**	5.05	0.399	mg/Kg			03/10/23 19:01	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-34-S-1'-20230309 Lab Sample ID: 880-25768-17

Date Collected: 03/09/23 12:40 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/17/23 13:09	03/18/23 19:03	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		03/17/23 13:09	03/18/23 19:03	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		03/17/23 13:09	03/18/23 19:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		03/17/23 13:09	03/18/23 19:03	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		03/17/23 13:09	03/18/23 19:03	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		03/17/23 13:09	03/18/23 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*03/17/23 13:09*	*03/18/23 19:03*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*03/17/23 13:09*	*03/18/23 19:03*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**17.4**	**J**	49.9	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 17:07	1
Diesel Range Organics (Over C10-C28)	**17.4**	**J**	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 17:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*03/10/23 15:51*	*03/12/23 17:07*	*1*
o-Terphenyl	*111*		*70 - 130*	*03/10/23 15:51*	*03/12/23 17:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**830**	**B**	5.01	0.396	mg/Kg			03/11/23 09:53	1

Client Sample ID: B-35-S-1'-20230309 Lab Sample ID: 880-25768-18

Date Collected: 03/09/23 12:50 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/17/23 13:09	03/18/23 19:24	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		03/17/23 13:09	03/18/23 19:24	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		03/17/23 13:09	03/18/23 19:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		03/17/23 13:09	03/18/23 19:24	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		03/17/23 13:09	03/18/23 19:24	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		03/17/23 13:09	03/18/23 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*03/17/23 13:09*	*03/18/23 19:24*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*03/17/23 13:09*	*03/18/23 19:24*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-35-S-1'-20230309

Lab Sample ID: 880-25768-18
Matrix: Solid
Date Collected: 03/09/23 12:50
Date Received: 03/10/23 10:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**44.8**	**J**	50.0	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**16.8**	**J**	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 17:29	1
Diesel Range Organics (Over C10-C28)	**28.0**	**J**	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 17:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 17:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*03/10/23 15:51*	*03/12/23 17:29*	*1*
o-Terphenyl	*122*		*70 - 130*	*03/10/23 15:51*	*03/12/23 17:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**118**	**B**	5.02	0.397	mg/Kg			03/10/23 19:07	1

Client Sample ID: B-36-S-1'-20230309

Lab Sample ID: 880-25768-19
Matrix: Solid
Date Collected: 03/09/23 13:00
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		03/17/23 13:09	03/18/23 19:44	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		03/17/23 13:09	03/18/23 19:44	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		03/17/23 13:09	03/18/23 19:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:09	03/18/23 19:44	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		03/17/23 13:09	03/18/23 19:44	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:09	03/18/23 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*03/17/23 13:09*	*03/18/23 19:44*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*03/17/23 13:09*	*03/18/23 19:44*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**53.7**		50.0	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 17:51	1
Diesel Range Organics (Over C10-C28)	**37.6**	**J**	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 17:51	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-36-S-1'-20230309
Lab Sample ID: 880-25768-19
Date Collected: 03/09/23 13:00
Matrix: Solid
Date Received: 03/10/23 10:20

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	**16.1**	**J**	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*03/10/23 15:51*	*03/12/23 17:51*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*03/10/23 15:51*	*03/12/23 17:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**198**	**B**	4.98	0.393	mg/Kg			03/10/23 19:12	1

Client Sample ID: B-37-S-1'-20230309
Lab Sample ID: 880-25768-20
Date Collected: 03/09/23 13:10
Matrix: Solid
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000450**	**J**	0.00201	0.000387	mg/Kg		03/17/23 13:09	03/18/23 20:05	1
Toluene	<0.00201	U	0.00201	0.000459	mg/Kg		03/17/23 13:09	03/18/23 20:05	1
Ethylbenzene	<0.00201	U	0.00201	0.000568	mg/Kg		03/17/23 13:09	03/18/23 20:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00102	mg/Kg		03/17/23 13:09	03/18/23 20:05	1
o-Xylene	<0.00201	U	0.00201	0.000346	mg/Kg		03/17/23 13:09	03/18/23 20:05	1
Xylenes, Total	<0.00402	U	0.00402	0.00102	mg/Kg		03/17/23 13:09	03/18/23 20:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*53*	*S1-*	*70 - 130*	*03/17/23 13:09*	*03/18/23 20:05*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*03/17/23 13:09*	*03/18/23 20:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00102	mg/Kg			03/19/23 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**21.6**	**J**	49.9	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 18:12	1
Diesel Range Organics (Over C10-C28)	**21.6**	**J**	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 18:12	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*03/10/23 15:51*	*03/12/23 18:12*	*1*
o-Terphenyl	*110*		*70 - 130*	*03/10/23 15:51*	*03/12/23 18:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1450**	**B**	49.9	3.94	mg/Kg			03/11/23 12:16	10

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-38-S-1'-20230309

Lab Sample ID: 880-25768-21
Matrix: Solid
Date Collected: 03/09/23 13:20
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U F2 F1	0.00202	0.000388	mg/Kg		03/17/23 13:16	03/19/23 15:28	1
Toluene	<0.00202	U	0.00202	0.000460	mg/Kg		03/17/23 13:16	03/19/23 15:28	1
Ethylbenzene	<0.00202	U F1	0.00202	0.000570	mg/Kg		03/17/23 13:16	03/19/23 15:28	1
m-Xylene & p-Xylene	<0.00403	U F2 F1	0.00403	0.00102	mg/Kg		03/17/23 13:16	03/19/23 15:28	1
o-Xylene	**0.000360**	**J F1**	0.00202	0.000347	mg/Kg		03/17/23 13:16	03/19/23 15:28	1
Xylenes, Total	<0.00403	U F2 F1	0.00403	0.00102	mg/Kg		03/17/23 13:16	03/19/23 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*03/17/23 13:16*	*03/19/23 15:28*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*03/17/23 13:16*	*03/19/23 15:28*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	0.00102	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**16.5**	**J**	49.9	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**16.5**	**J**	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 18:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 18:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*03/10/23 15:51*	*03/12/23 18:34*	*1*
o-Terphenyl	*108*		*70 - 130*	*03/10/23 15:51*	*03/12/23 18:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1620**	**B F1**	25.2	1.99	mg/Kg			03/11/23 00:12	5

Client Sample ID: B-39-S-1'-20230309

Lab Sample ID: 880-25768-22
Matrix: Solid
Date Collected: 03/09/23 13:30
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/17/23 13:16	03/19/23 15:49	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		03/17/23 13:16	03/19/23 15:49	1
Ethylbenzene	**0.000577**	**J**	0.00199	0.000563	mg/Kg		03/17/23 13:16	03/19/23 15:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		03/17/23 13:16	03/19/23 15:49	1
o-Xylene	**0.000904**	**J**	0.00199	0.000343	mg/Kg		03/17/23 13:16	03/19/23 15:49	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		03/17/23 13:16	03/19/23 15:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*	*03/17/23 13:16*	*03/19/23 15:49*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*03/17/23 13:16*	*03/19/23 15:49*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-39-S-1'-20230309 Lab Sample ID: 880-25768-22

Date Collected: 03/09/23 13:30 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00148**	**J**	0.00398	0.00101	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**18.0**	**J**	50.0	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**18.0**	**J**	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 18:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 18:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*03/10/23 15:51*	*03/12/23 18:56*	*1*
o-Terphenyl	*128*		*70 - 130*	*03/10/23 15:51*	*03/12/23 18:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2190**	**B**	25.0	1.98	mg/Kg			03/11/23 00:26	5

Client Sample ID: B-40-S-1'-20230309 Lab Sample ID: 880-25768-23

Date Collected: 03/09/23 00:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/17/23 13:16	03/19/23 16:09	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		03/17/23 13:16	03/19/23 16:09	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		03/17/23 13:16	03/19/23 16:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		03/17/23 13:16	03/19/23 16:09	1
o-Xylene	**0.000374**	**J**	0.00199	0.000342	mg/Kg		03/17/23 13:16	03/19/23 16:09	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		03/17/23 13:16	03/19/23 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*03/17/23 13:16*	*03/19/23 16:09*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*03/17/23 13:16*	*03/19/23 16:09*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 19:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 19:18	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-40-S-1'-20230309 Lab Sample ID: 880-25768-23

Date Collected: 03/09/23 00:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*03/10/23 15:51*	*03/12/23 19:18*	*1*
o-Terphenyl	*112*		*70 - 130*	*03/10/23 15:51*	*03/12/23 19:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1360**	**B**	5.05	0.399	mg/Kg			03/11/23 00:31	1

Client Sample ID: B-41-S-1'-20230309 Lab Sample ID: 880-25768-24

Date Collected: 03/09/23 00:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		03/17/23 13:16	03/19/23 16:30	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		03/17/23 13:16	03/19/23 16:30	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		03/17/23 13:16	03/19/23 16:30	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:16	03/19/23 16:30	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		03/17/23 13:16	03/19/23 16:30	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:16	03/19/23 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*03/17/23 13:16*	*03/19/23 16:30*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*03/17/23 13:16*	*03/19/23 16:30*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 19:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 19:41	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*03/10/23 15:51*	*03/12/23 19:41*	*1*
o-Terphenyl	*110*		*70 - 130*	*03/10/23 15:51*	*03/12/23 19:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**289**	**B**	4.95	0.391	mg/Kg			03/11/23 00:36	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-42-S-1'-20230309 Lab Sample ID: 880-25768-25

Date Collected: 03/09/23 00:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000386	mg/Kg		03/17/23 13:16	03/19/23 16:50	1
Toluene	<0.00200	U	0.00200	0.000457	mg/Kg		03/17/23 13:16	03/19/23 16:50	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg		03/17/23 13:16	03/19/23 16:50	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		03/17/23 13:16	03/19/23 16:50	1
o-Xylene	<0.00200	U	0.00200	0.000345	mg/Kg		03/17/23 13:16	03/19/23 16:50	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg		03/17/23 13:16	03/19/23 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*03/17/23 13:16*	*03/19/23 16:50*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*03/17/23 13:16*	*03/19/23 16:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	0.00101	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 20:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 20:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*03/10/23 15:51*	*03/12/23 20:03*	*1*
o-Terphenyl	*100*		*70 - 130*	*03/10/23 15:51*	*03/12/23 20:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**985**	**B**	5.03	0.397	mg/Kg			03/11/23 00:41	1

Client Sample ID: B-43-S-1'-20230309 Lab Sample ID: 880-25768-26

Date Collected: 03/09/23 00:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000837**	**J**	0.00199	0.000383	mg/Kg		03/17/23 13:16	03/19/23 17:10	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		03/17/23 13:16	03/19/23 17:10	1
Ethylbenzene	**0.00265**		0.00199	0.000563	mg/Kg		03/17/23 13:16	03/19/23 17:10	1
m-Xylene & p-Xylene	**0.00206**	**J**	0.00398	0.00101	mg/Kg		03/17/23 13:16	03/19/23 17:10	1
o-Xylene	**0.00164**	**J**	0.00199	0.000343	mg/Kg		03/17/23 13:16	03/19/23 17:10	1
Xylenes, Total	**0.00370**	**J**	0.00398	0.00101	mg/Kg		03/17/23 13:16	03/19/23 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*	*03/17/23 13:16*	*03/19/23 17:10*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/17/23 13:16*	*03/19/23 17:10*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-43-S-1'-20230309 Lab Sample ID: 880-25768-26

Date Collected: 03/09/23 00:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00719**		0.00398	0.00101	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.0	mg/Kg			03/13/23 17:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 20:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 20:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:51	03/12/23 20:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*03/10/23 15:51*	*03/12/23 20:25*	*1*
o-Terphenyl	*103*		*70 - 130*	*03/10/23 15:51*	*03/12/23 20:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**918**	**B**	5.05	0.399	mg/Kg			03/11/23 00:55	1

Client Sample ID: B-44-S-1'-20230309 Lab Sample ID: 880-25768-27

Date Collected: 03/09/23 00:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/17/23 13:16	03/19/23 17:31	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		03/17/23 13:16	03/19/23 17:31	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		03/17/23 13:16	03/19/23 17:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		03/17/23 13:16	03/19/23 17:31	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		03/17/23 13:16	03/19/23 17:31	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		03/17/23 13:16	03/19/23 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*03/17/23 13:16*	*03/19/23 17:31*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*03/17/23 13:16*	*03/19/23 17:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**20.3**	**J**	49.9	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**20.3**	**J B *-**	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 12:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 12:21	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-44-S-1'-20230309
Lab Sample ID: 880-25768-27
Date Collected: 03/09/23 00:00
Matrix: Solid
Date Received: 03/10/23 10:20

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 12:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*03/10/23 15:48*	*03/12/23 12:21*	*1*
o-Terphenyl	*95*		*70 - 130*	*03/10/23 15:48*	*03/12/23 12:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**129**	**B**	4.98	0.393	mg/Kg			03/11/23 01:00	1

Client Sample ID: B-45-S-1'-20230309
Lab Sample ID: 880-25768-28
Date Collected: 03/09/23 00:00
Matrix: Solid
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		03/17/23 13:16	03/19/23 17:51	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		03/17/23 13:16	03/19/23 17:51	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		03/17/23 13:16	03/19/23 17:51	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:16	03/19/23 17:51	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		03/17/23 13:16	03/19/23 17:51	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:16	03/19/23 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*03/17/23 13:16*	*03/19/23 17:51*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*03/17/23 13:16*	*03/19/23 17:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**22.7**	**J**	49.9	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**22.7**	**J B *-**	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 13:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 13:28	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*03/10/23 15:48*	*03/12/23 13:28*	*1*
o-Terphenyl	*93*		*70 - 130*	*03/10/23 15:48*	*03/12/23 13:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**298**	**B**	4.96	0.392	mg/Kg			03/11/23 01:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-46-S-1'-20230309

Lab Sample ID: 880-25768-29
Date Collected: 03/09/23 00:00
Matrix: Solid
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		03/17/23 13:16	03/19/23 18:12	1
Toluene	<0.00201	U	0.00201	0.000459	mg/Kg		03/17/23 13:16	03/19/23 18:12	1
Ethylbenzene	<0.00201	U	0.00201	0.000568	mg/Kg		03/17/23 13:16	03/19/23 18:12	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00102	mg/Kg		03/17/23 13:16	03/19/23 18:12	1
o-Xylene	<0.00201	U	0.00201	0.000346	mg/Kg		03/17/23 13:16	03/19/23 18:12	1
Xylenes, Total	<0.00402	U	0.00402	0.00102	mg/Kg		03/17/23 13:16	03/19/23 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*03/17/23 13:16*	*03/19/23 18:12*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*03/17/23 13:16*	*03/19/23 18:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00102	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**26.0**	**J**	49.9	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**26.0**	**J B *-**	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 13:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 13:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*03/10/23 15:48*	*03/12/23 13:50*	*1*
o-Terphenyl	*91*		*70 - 130*	*03/10/23 15:48*	*03/12/23 13:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**213**	**B**	5.01	0.396	mg/Kg			03/11/23 01:10	1

Client Sample ID: B-47-S-1'-20230309

Lab Sample ID: 880-25768-30
Date Collected: 03/09/23 00:00
Matrix: Solid
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		03/17/23 13:16	03/19/23 18:32	1
Toluene	<0.00201	U	0.00201	0.000458	mg/Kg		03/17/23 13:16	03/19/23 18:32	1
Ethylbenzene	<0.00201	U	0.00201	0.000567	mg/Kg		03/17/23 13:16	03/19/23 18:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg		03/17/23 13:16	03/19/23 18:32	1
o-Xylene	<0.00201	U	0.00201	0.000345	mg/Kg		03/17/23 13:16	03/19/23 18:32	1
Xylenes, Total	<0.00402	U	0.00402	0.00101	mg/Kg		03/17/23 13:16	03/19/23 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*03/17/23 13:16*	*03/19/23 18:32*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*03/17/23 13:16*	*03/19/23 18:32*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-47-S-1'-20230309 Lab Sample ID: 880-25768-30

Date Collected: 03/09/23 00:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00101	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**24.0**	**J**	49.9	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**24.0**	**J B *-**	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 14:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 14:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*03/10/23 15:48*	*03/12/23 14:12*	*1*
o-Terphenyl	*88*		*70 - 130*	*03/10/23 15:48*	*03/12/23 14:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**674**	**B**	4.97	0.393	mg/Kg			03/11/23 01:15	1

Client Sample ID: B-48-S-1'-20230309 Lab Sample ID: 880-25768-31

Date Collected: 03/09/23 00:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/17/23 13:16	03/19/23 20:22	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		03/17/23 13:16	03/19/23 20:22	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		03/17/23 13:16	03/19/23 20:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		03/17/23 13:16	03/19/23 20:22	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		03/17/23 13:16	03/19/23 20:22	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		03/17/23 13:16	03/19/23 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/17/23 13:16*	*03/19/23 20:22*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*03/17/23 13:16*	*03/19/23 20:22*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**25.5**	**J**	50.0	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**25.5**	**J B *-**	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 14:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 14:34	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-48-S-1'-20230309 Lab Sample ID: 880-25768-31

Date Collected: 03/09/23 00:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*03/10/23 15:48*	*03/12/23 14:34*	*1*
o-Terphenyl	*88*		*70 - 130*	*03/10/23 15:48*	*03/12/23 14:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**755**	**B**	4.95	0.391	mg/Kg			03/11/23 01:19	1

Client Sample ID: B-49-S-1'-20230309 Lab Sample ID: 880-25768-32

Date Collected: 03/09/23 00:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		03/17/23 13:16	03/19/23 20:42	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		03/17/23 13:16	03/19/23 20:42	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		03/17/23 13:16	03/19/23 20:42	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:16	03/19/23 20:42	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		03/17/23 13:16	03/19/23 20:42	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:16	03/19/23 20:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*03/17/23 13:16*	*03/19/23 20:42*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*03/17/23 13:16*	*03/19/23 20:42*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**41.7**	**J**	49.9	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**41.7**	**J B *-**	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 14:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 14:56	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*03/10/23 15:48*	*03/12/23 14:56*	*1*
o-Terphenyl	*104*		*70 - 130*	*03/10/23 15:48*	*03/12/23 14:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**357**	**B**	5.04	0.398	mg/Kg			03/11/23 01:34	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-50-S-1'-20230309 Lab Sample ID: 880-25768-33

Date Collected: 03/09/23 00:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/17/23 13:16	03/19/23 21:03	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		03/17/23 13:16	03/19/23 21:03	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		03/17/23 13:16	03/19/23 21:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		03/17/23 13:16	03/19/23 21:03	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		03/17/23 13:16	03/19/23 21:03	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		03/17/23 13:16	03/19/23 21:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*03/17/23 13:16*	*03/19/23 21:03*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*03/17/23 13:16*	*03/19/23 21:03*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**23.1**	**J**	49.9	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**23.1**	**J B *-**	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 15:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 15:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 15:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*03/10/23 15:48*	*03/12/23 15:18*	*1*
o-Terphenyl	*86*		*70 - 130*	*03/10/23 15:48*	*03/12/23 15:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1040**	**B**	5.02	0.397	mg/Kg			03/11/23 01:39	1

Client Sample ID: B-51-S-1'-20230309 Lab Sample ID: 880-25768-34

Date Collected: 03/09/23 15:30 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000381	mg/Kg		03/17/23 13:16	03/19/23 21:23	1
Toluene	<0.00198	U	0.00198	0.000451	mg/Kg		03/17/23 13:16	03/19/23 21:23	1
Ethylbenzene	<0.00198	U	0.00198	0.000559	mg/Kg		03/17/23 13:16	03/19/23 21:23	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00100	mg/Kg		03/17/23 13:16	03/19/23 21:23	1
o-Xylene	<0.00198	U	0.00198	0.000341	mg/Kg		03/17/23 13:16	03/19/23 21:23	1
Xylenes, Total	<0.00396	U	0.00396	0.00100	mg/Kg		03/17/23 13:16	03/19/23 21:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*03/17/23 13:16*	*03/19/23 21:23*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*03/17/23 13:16*	*03/19/23 21:23*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-51-S-1'-20230309

Lab Sample ID: 880-25768-34
Matrix: Solid
Date Collected: 03/09/23 15:30
Date Received: 03/10/23 10:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	0.00100	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**27.6**	**J**	49.9	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**27.6**	**J B *-**	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 15:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 15:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*03/10/23 15:48*	*03/12/23 15:39*	*1*
o-Terphenyl	*90*		*70 - 130*	*03/10/23 15:48*	*03/12/23 15:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**272**	**B**	4.99	0.394	mg/Kg			03/11/23 01:53	1

Client Sample ID: B-52-S-1'-20230309

Lab Sample ID: 880-25768-35
Matrix: Solid
Date Collected: 03/09/23 15:40
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000386	mg/Kg		03/17/23 13:16	03/19/23 21:43	1
Toluene	<0.00200	U	0.00200	0.000457	mg/Kg		03/17/23 13:16	03/19/23 21:43	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg		03/17/23 13:16	03/19/23 21:43	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		03/17/23 13:16	03/19/23 21:43	1
o-Xylene	<0.00200	U	0.00200	0.000345	mg/Kg		03/17/23 13:16	03/19/23 21:43	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg		03/17/23 13:16	03/19/23 21:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*03/17/23 13:16*	*03/19/23 21:43*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*03/17/23 13:16*	*03/19/23 21:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	0.00101	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**25.7**	**J**	50.0	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**25.7**	**J B *-**	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 16:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 16:01	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-52-S-1'-20230309 Lab Sample ID: 880-25768-35

Date Collected: 03/09/23 15:40 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*03/10/23 15:48*	*03/12/23 16:01*	*1*
o-Terphenyl	*90*		*70 - 130*	*03/10/23 15:48*	*03/12/23 16:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**168**	**B**	4.97	0.393	mg/Kg			03/11/23 01:58	1

Client Sample ID: B-53-S-1'-20230309 Lab Sample ID: 880-25768-36

Date Collected: 03/09/23 15:50 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		03/17/23 13:16	03/19/23 22:04	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		03/17/23 13:16	03/19/23 22:04	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		03/17/23 13:16	03/19/23 22:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:16	03/19/23 22:04	1
o-Xylene	**0.000469**	**J**	0.00200	0.000343	mg/Kg		03/17/23 13:16	03/19/23 22:04	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:16	03/19/23 22:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*03/17/23 13:16*	*03/19/23 22:04*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*03/17/23 13:16*	*03/19/23 22:04*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**25.3**	**J**	50.0	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**25.3**	**J B *-**	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 16:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 16:23	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*03/10/23 15:48*	*03/12/23 16:23*	*1*
o-Terphenyl	*89*		*70 - 130*	*03/10/23 15:48*	*03/12/23 16:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**602**	**B**	5.00	0.395	mg/Kg			03/11/23 02:03	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-54-S-1'-20230309

Lab Sample ID: 880-25768-37
Matrix: Solid
Date Collected: 03/09/23 16:00
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/17/23 13:16	03/19/23 22:24	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		03/17/23 13:16	03/19/23 22:24	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		03/17/23 13:16	03/19/23 22:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		03/17/23 13:16	03/19/23 22:24	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		03/17/23 13:16	03/19/23 22:24	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		03/17/23 13:16	03/19/23 22:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/17/23 13:16*	*03/19/23 22:24*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*03/17/23 13:16*	*03/19/23 22:24*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**29.2**	**J**	50.0	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**29.2**	**J B *-**	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 17:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 17:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*03/10/23 15:48*	*03/12/23 17:07*	*1*
o-Terphenyl	*100*		*70 - 130*	*03/10/23 15:48*	*03/12/23 17:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**814**	**B**	4.96	0.392	mg/Kg			03/11/23 02:08	1

Client Sample ID: B-55-S-1'-20230309

Lab Sample ID: 880-25768-38
Matrix: Solid
Date Collected: 03/09/23 16:10
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/17/23 13:16	03/19/23 22:45	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		03/17/23 13:16	03/19/23 22:45	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		03/17/23 13:16	03/19/23 22:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		03/17/23 13:16	03/19/23 22:45	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		03/17/23 13:16	03/19/23 22:45	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		03/17/23 13:16	03/19/23 22:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*70 - 130*	*03/17/23 13:16*	*03/19/23 22:45*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*03/17/23 13:16*	*03/19/23 22:45*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-55-S-1'-20230309

Lab Sample ID: 880-25768-38
Matrix: Solid
Date Collected: 03/09/23 16:10
Date Received: 03/10/23 10:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**17.7**	**J**	49.9	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**17.7**	**J B *-**	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 17:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 17:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 17:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*03/10/23 15:48*	*03/12/23 17:29*	*1*
o-Terphenyl	*83*		*70 - 130*	*03/10/23 15:48*	*03/12/23 17:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**141**	**B**	5.05	0.399	mg/Kg			03/11/23 02:13	1

Client Sample ID: B-56-S-1'-20230309

Lab Sample ID: 880-25768-39
Matrix: Solid
Date Collected: 03/09/23 16:20
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		03/17/23 13:16	03/19/23 23:05	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		03/17/23 13:16	03/19/23 23:05	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		03/17/23 13:16	03/19/23 23:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:16	03/19/23 23:05	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		03/17/23 13:16	03/19/23 23:05	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		03/17/23 13:16	03/19/23 23:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*03/17/23 13:16*	*03/19/23 23:05*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*03/17/23 13:16*	*03/19/23 23:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**22.2**	**J**	50.0	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**22.2**	**J B *-**	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 17:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 17:51	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-56-S-1'-20230309 Lab Sample ID: 880-25768-39

Date Collected: 03/09/23 16:20 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*03/10/23 15:48*	*03/12/23 17:51*	*1*
o-Terphenyl	*86*		*70 - 130*	*03/10/23 15:48*	*03/12/23 17:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1670**	**B**	25.1	1.98	mg/Kg			03/11/23 02:17	5

Client Sample ID: B-57-S-1'-20230309 Lab Sample ID: 880-25768-40

Date Collected: 03/09/23 16:30 **Matrix: Solid**
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000448**	**J**	0.00201	0.000387	mg/Kg		03/17/23 13:16	03/19/23 23:25	1
Toluene	**0.000716**	**J**	0.00201	0.000459	mg/Kg		03/17/23 13:16	03/19/23 23:25	1
Ethylbenzene	**0.00139**	**J**	0.00201	0.000568	mg/Kg		03/17/23 13:16	03/19/23 23:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00102	mg/Kg		03/17/23 13:16	03/19/23 23:25	1
o-Xylene	**0.00207**		0.00201	0.000346	mg/Kg		03/17/23 13:16	03/19/23 23:25	1
Xylenes, Total	**0.00207**	**J**	0.00402	0.00102	mg/Kg		03/17/23 13:16	03/19/23 23:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*03/17/23 13:16*	*03/19/23 23:25*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*03/17/23 13:16*	*03/19/23 23:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00462**		0.00402	0.00102	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**24.9**	**J**	49.9	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**24.9**	**J B *-**	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 18:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 18:12	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*03/10/23 15:48*	*03/12/23 18:12*	*1*
o-Terphenyl	*88*		*70 - 130*	*03/10/23 15:48*	*03/12/23 18:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**183**	**B**	5.01	0.396	mg/Kg			03/11/23 02:22	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-58-S-1'-20230309

Lab Sample ID: 880-25768-41
Matrix: Solid
Date Collected: 03/09/23 16:40
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/20/23 08:52	03/20/23 13:14	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		03/20/23 08:52	03/20/23 13:14	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		03/20/23 08:52	03/20/23 13:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		03/20/23 08:52	03/20/23 13:14	1
o-Xylene	**0.000477**	**J**	0.00199	0.000342	mg/Kg		03/20/23 08:52	03/20/23 13:14	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		03/20/23 08:52	03/20/23 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*03/20/23 08:52*	*03/20/23 13:14*	*1*
1,4-Difluorobenzene (Surr)	*62*	*S1-*	*70 - 130*	*03/20/23 08:52*	*03/20/23 13:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			03/20/23 16:30	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**24.0**	**J**	49.9	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**24.0**	**J B *-**	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 18:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 18:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*03/10/23 15:48*	*03/12/23 18:34*	*1*
o-Terphenyl	*90*		*70 - 130*	*03/10/23 15:48*	*03/12/23 18:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**212**		4.97	0.393	mg/Kg			03/11/23 14:34	1

Client Sample ID: B-59-S-1'-20230309

Lab Sample ID: 880-25768-42
Matrix: Solid
Date Collected: 03/09/23 16:50
Date Received: 03/10/23 10:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		03/20/23 08:52	03/20/23 13:35	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		03/20/23 08:52	03/20/23 13:35	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		03/20/23 08:52	03/20/23 13:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		03/20/23 08:52	03/20/23 13:35	1
o-Xylene	**0.000384**	**J**	0.00200	0.000343	mg/Kg		03/20/23 08:52	03/20/23 13:35	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		03/20/23 08:52	03/20/23 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*70 - 130*	*03/20/23 08:52*	*03/20/23 13:35*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*03/20/23 08:52*	*03/20/23 13:35*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-59-S-1'-20230309

Lab Sample ID: 880-25768-42
Matrix: Solid
Date Collected: 03/09/23 16:50
Date Received: 03/10/23 10:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			03/20/23 16:30	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**26.3**	**J**	49.9	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**26.3**	**J B *-**	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 18:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 18:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 15:48	03/12/23 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*03/10/23 15:48*	*03/12/23 18:56*	*1*
o-Terphenyl	*100*		*70 - 130*	*03/10/23 15:48*	*03/12/23 18:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**699**		5.02	0.397	mg/Kg			03/11/23 14:38	1

Client Sample ID: SW-3B-S-0-1'-20230314

Lab Sample ID: 880-25966-1
Matrix: Solid
Date Collected: 03/14/23 12:00
Date Received: 03/15/23 11:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/16/23 09:01	03/16/23 20:12	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		03/16/23 09:01	03/16/23 20:12	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		03/16/23 09:01	03/16/23 20:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		03/16/23 09:01	03/16/23 20:12	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		03/16/23 09:01	03/16/23 20:12	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		03/16/23 09:01	03/16/23 20:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*68*	*S1-*	*70 - 130*	*03/16/23 09:01*	*03/16/23 20:12*	*1*
1,4-Difluorobenzene (Surr)	*68*	*S1-*	*70 - 130*	*03/16/23 09:01*	*03/16/23 20:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**84.1**		50.0	15.0	mg/Kg			03/17/23 15:55	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**32.7**	**J**	50.0	15.0	mg/Kg		03/16/23 14:57	03/16/23 22:15	1
Diesel Range Organics (Over C10-C28)	**51.4**		50.0	15.0	mg/Kg		03/16/23 14:57	03/16/23 22:15	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: SW-3B-S-0-1'-20230314 Lab Sample ID: 880-25966-1

Date Collected: 03/14/23 12:00 **Matrix: Solid**
Date Received: 03/15/23 11:53

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/16/23 14:57	03/16/23 22:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*03/16/23 14:57*	*03/16/23 22:15*	*1*
o-Terphenyl	*109*		*70 - 130*	*03/16/23 14:57*	*03/16/23 22:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**77.6**		5.00	0.395	mg/Kg			03/17/23 06:45	1

Client Sample ID: SW-1B-S-0-2'-20230320 Lab Sample ID: 880-26151-1

Date Collected: 03/20/23 15:20 **Matrix: Solid**
Date Received: 03/21/23 08:10

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000381	mg/Kg		03/21/23 09:28	03/21/23 15:30	1
Toluene	<0.00198	U	0.00198	0.000451	mg/Kg		03/21/23 09:28	03/21/23 15:30	1
Ethylbenzene	<0.00198	U	0.00198	0.000559	mg/Kg		03/21/23 09:28	03/21/23 15:30	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00100	mg/Kg		03/21/23 09:28	03/21/23 15:30	1
o-Xylene	<0.00198	U	0.00198	0.000341	mg/Kg		03/21/23 09:28	03/21/23 15:30	1
Xylenes, Total	<0.00396	U	0.00396	0.00100	mg/Kg		03/21/23 09:28	03/21/23 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*03/21/23 09:28*	*03/21/23 15:30*	*1*
1,4-Difluorobenzene (Surr)	*70*		*70 - 130*	*03/21/23 09:28*	*03/21/23 15:30*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	0.00100	mg/Kg			03/21/23 17:33	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**58.0**		50.0	15.0	mg/Kg			03/22/23 11:30	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**38.8**	**J B**	50.0	15.0	mg/Kg		03/21/23 09:05	03/21/23 19:13	1
Diesel Range Organics (Over C10-C28)	**19.2**	**J**	50.0	15.0	mg/Kg		03/21/23 09:05	03/21/23 19:13	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/21/23 09:05	03/21/23 19:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*03/21/23 09:05*	*03/21/23 19:13*	*1*
o-Terphenyl	*93*		*70 - 130*	*03/21/23 09:05*	*03/21/23 19:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**46.5**		5.04	0.398	mg/Kg			03/21/23 15:16	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: L-11-5-0-6' 20230131 — Lab Sample ID: 890-4002-1
Date Collected: 01/31/23 12:10 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.2		5.00		mg/Kg			02/03/23 15:27	1

Client Sample ID: L-12-5-0-6' 20230131 — Lab Sample ID: 890-4002-2
Date Collected: 01/31/23 12:20 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.3		4.99		mg/Kg			02/03/23 15:41	1

Client Sample ID: L-13-5-0-6' 20230131 — Lab Sample ID: 890-4002-3
Date Collected: 01/31/23 12:30 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	211		4.97		mg/Kg			02/03/23 15:46	1

Client Sample ID: L-14-5-0-6' 20230131 — Lab Sample ID: 890-4002-4
Date Collected: 01/31/23 13:40 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	571		5.05		mg/Kg			02/03/23 15:51	1

Client Sample ID: L-15-5-0-6' 20230131 — Lab Sample ID: 890-4002-5
Date Collected: 01/31/23 13:50 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	378		4.99		mg/Kg			02/03/23 15:55	1

Client Sample ID: L-16-5-0-6' 20230131 — Lab Sample ID: 890-4002-6
Date Collected: 01/31/23 12:40 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.9		5.01		mg/Kg			02/03/23 16:09	1

Client Sample ID: L-17-5-0-6' 20230131 — Lab Sample ID: 890-4002-7
Date Collected: 01/31/23 12:50 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.2		4.97		mg/Kg			02/03/23 16:14	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: L-18-5-0-6' 20230131 Lab Sample ID: 890-4002-8
Date Collected: 01/31/23 13:00 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	612		4.98		mg/Kg			02/03/23 16:19	1

Client Sample ID: L-19-5-0-6' 20230131 Lab Sample ID: 890-4002-9
Date Collected: 01/31/23 13:10 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	232		4.95		mg/Kg			02/03/23 16:23	1

Client Sample ID: L-20-5-0-6' 20230131 Lab Sample ID: 890-4002-10
Date Collected: 01/31/23 13:30 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	121		5.02		mg/Kg			02/03/23 16:28	1

Client Sample ID: L-21-5-0-6' 20230131 Lab Sample ID: 890-4002-11
Date Collected: 01/31/23 14:20 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			02/03/23 16:33	1

Client Sample ID: L-1-5-0-6' 20230131 Lab Sample ID: 890-4002-13
Date Collected: 01/31/23 11:00 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			02/03/23 16:51	1

Client Sample ID: L-2-5-0-6' 20230131 Lab Sample ID: 890-4002-14
Date Collected: 01/31/23 11:10 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	909		5.02		mg/Kg			02/03/23 17:05	1

Client Sample ID: L-3-5-0-6' 20230131 Lab Sample ID: 890-4002-15
Date Collected: 01/31/23 10:50 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.0		4.95		mg/Kg			02/03/23 17:10	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: L-5-5-0-6' 20230131 — Lab Sample ID: 890-4002-16
Date Collected: 01/31/23 11:20 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	204		5.00		mg/Kg			02/03/23 17:15	1

Client Sample ID: L-6-5-0-6' 20230131 — Lab Sample ID: 890-4002-17
Date Collected: 01/31/23 14:10 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57.7		4.95		mg/Kg			02/03/23 17:19	1

Client Sample ID: L-7-5-0-6' 20230131 — Lab Sample ID: 890-4002-18
Date Collected: 01/31/23 11:30 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			02/03/23 17:24	1

Client Sample ID: L-8-5-0-6' 20230131 — Lab Sample ID: 890-4002-19
Date Collected: 01/31/23 11:40 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/03/23 17:29	1

Client Sample ID: L-9-5-0-6' 20230131 — Lab Sample ID: 890-4002-20
Date Collected: 01/31/23 11:50 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			02/03/23 17:33	1

Client Sample ID: L-10-5-0-6' 20230131 — Lab Sample ID: 890-4002-21
Date Collected: 01/31/23 12:00 **Matrix: Solid**
Date Received: 01/31/23 16:12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	149		5.00		mg/Kg			02/03/23 20:39	1

Client Sample ID: SW-1-S-0-2'- 20230307 — Lab Sample ID: 890-4261-1
Date Collected: 03/07/23 10:00 **Matrix: Solid**
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000381	mg/Kg		03/10/23 11:09	03/10/23 17:39	1
Toluene	<0.00198	U	0.00198	0.000451	mg/Kg		03/10/23 11:09	03/10/23 17:39	1
Ethylbenzene	<0.00198	U	0.00198	0.000559	mg/Kg		03/10/23 11:09	03/10/23 17:39	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00100	mg/Kg		03/10/23 11:09	03/10/23 17:39	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: SW-1-S-0-2'- 20230307

Lab Sample ID: 890-4261-1
Matrix: Solid
Date Collected: 03/07/23 10:00
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**0.000400**	**J**	0.00198	0.000341	mg/Kg		03/10/23 11:09	03/10/23 17:39	1
Xylenes, Total	<0.00396	U	0.00396	0.00100	mg/Kg		03/10/23 11:09	03/10/23 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*03/10/23 11:09*	*03/10/23 17:39*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*03/10/23 11:09*	*03/10/23 17:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	0.00100	mg/Kg			03/13/23 18:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**157**		50.0	15.0	mg/Kg			03/13/23 16:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**31.1**	**J B**	50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 14:56	1
Diesel Range Organics (Over C10-C28)	**126**		50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 14:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*03/10/23 13:27*	*03/11/23 14:56*	*1*
o-Terphenyl	*109*		*70 - 130*	*03/10/23 13:27*	*03/11/23 14:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**85.5**	**F1**	4.95	0.391	mg/Kg			03/10/23 12:00	1

Client Sample ID: SW-2-S-0-2'- 20230307

Lab Sample ID: 890-4261-2
Matrix: Solid
Date Collected: 03/07/23 10:10
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/10/23 11:09	03/10/23 18:00	1
Toluene	**0.000708**	**J**	0.00199	0.000454	mg/Kg		03/10/23 11:09	03/10/23 18:00	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		03/10/23 11:09	03/10/23 18:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		03/10/23 11:09	03/10/23 18:00	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		03/10/23 11:09	03/10/23 18:00	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		03/10/23 11:09	03/10/23 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*03/10/23 11:09*	*03/10/23 18:00*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*03/10/23 11:09*	*03/10/23 18:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			03/13/23 18:25	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: SW-2-S-0-2'- 20230307 Lab Sample ID: 890-4261-2

Date Collected: 03/07/23 10:10 **Matrix: Solid**
Date Received: 03/08/23 16:12

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**39.6**	**J**	49.9	15.0	mg/Kg			03/13/23 16:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 15:19	1
Diesel Range Organics (Over C10-C28)	**39.6**	**J**	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 15:19	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*03/10/23 13:27*	*03/11/23 15:19*	*1*
o-Terphenyl	*90*		*70 - 130*	*03/10/23 13:27*	*03/11/23 15:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**135**		4.98	0.393	mg/Kg			03/10/23 12:14	1

Client Sample ID: SW-3-S-0-2'- 20230307 Lab Sample ID: 890-4261-3

Date Collected: 03/07/23 10:20 **Matrix: Solid**
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/10/23 11:09	03/10/23 18:20	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		03/10/23 11:09	03/10/23 18:20	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		03/10/23 11:09	03/10/23 18:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		03/10/23 11:09	03/10/23 18:20	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		03/10/23 11:09	03/10/23 18:20	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		03/10/23 11:09	03/10/23 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*03/10/23 11:09*	*03/10/23 18:20*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*03/10/23 11:09*	*03/10/23 18:20*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			03/13/23 18:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**25.9**	**J**	49.9	15.0	mg/Kg			03/13/23 16:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**25.9**	**J B**	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 15:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 15:41	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*03/10/23 13:27*	*03/11/23 15:41*	*1*

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Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: SW-3-S-0-2'- 20230307

Lab Sample ID: 890-4261-3
Matrix: Solid
Date Collected: 03/07/23 10:20
Date Received: 03/08/23 16:12

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*102*		*70 - 130*	*03/10/23 13:27*	*03/11/23 15:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**756**		4.97	0.393	mg/Kg			03/10/23 12:19	1

Client Sample ID: B-1-S-2'-2-20230307

Lab Sample ID: 890-4261-4
Matrix: Solid
Date Collected: 03/07/23 10:30
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/09/23 10:44	03/10/23 12:51	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		03/09/23 10:44	03/10/23 12:51	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		03/09/23 10:44	03/10/23 12:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		03/09/23 10:44	03/10/23 12:51	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		03/09/23 10:44	03/10/23 12:51	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		03/09/23 10:44	03/10/23 12:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*	*03/09/23 10:44*	*03/10/23 12:51*	*1*
1,4-Difluorobenzene (Surr)	*60*	*S1-*	*70 - 130*	*03/09/23 10:44*	*03/10/23 12:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			03/10/23 17:20	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**23.3**	**J**	50.0	15.0	mg/Kg			03/13/23 16:53	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**23.3**	**J**	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 13:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 13:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*03/09/23 15:59*	*03/10/23 13:53*	*1*
o-Terphenyl	*93*		*70 - 130*	*03/09/23 15:59*	*03/10/23 13:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**133**		4.96	0.392	mg/Kg			03/10/23 12:24	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-2-S-2'-2-20230307

Lab Sample ID: 890-4261-5
Matrix: Solid
Date Collected: 03/07/23 10:40
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		03/09/23 10:44	03/10/23 13:11	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		03/09/23 10:44	03/10/23 13:11	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		03/09/23 10:44	03/10/23 13:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		03/09/23 10:44	03/10/23 13:11	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		03/09/23 10:44	03/10/23 13:11	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		03/09/23 10:44	03/10/23 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*03/09/23 10:44*	*03/10/23 13:11*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*03/09/23 10:44*	*03/10/23 13:11*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			03/10/23 17:20	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.0	mg/Kg			03/13/23 16:53	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 14:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 14:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*03/09/23 15:59*	*03/10/23 14:16*	*1*
o-Terphenyl	*90*		*70 - 130*	*03/09/23 15:59*	*03/10/23 14:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**97.5**		4.95	0.391	mg/Kg			03/10/23 12:29	1

Client Sample ID: B-3-S-2'-2-20230307

Lab Sample ID: 890-4261-6
Matrix: Solid
Date Collected: 03/07/23 10:50
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000428**	**J**	0.00199	0.000383	mg/Kg		03/09/23 10:44	03/10/23 13:32	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		03/09/23 10:44	03/10/23 13:32	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		03/09/23 10:44	03/10/23 13:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		03/09/23 10:44	03/10/23 13:32	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		03/09/23 10:44	03/10/23 13:32	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		03/09/23 10:44	03/10/23 13:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*45*	*S1-*	*70 - 130*	*03/09/23 10:44*	*03/10/23 13:32*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*03/09/23 10:44*	*03/10/23 13:32*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-3-S-2'-2-20230307

Lab Sample ID: 890-4261-6
Matrix: Solid
Date Collected: 03/07/23 10:50
Date Received: 03/08/23 16:12

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			03/10/23 17:20	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.0	mg/Kg			03/13/23 16:53	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 14:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 14:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*03/09/23 15:59*	*03/10/23 14:37*	*1*
o-Terphenyl	*112*		*70 - 130*	*03/09/23 15:59*	*03/10/23 14:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**55.9**		4.97	0.393	mg/Kg			03/10/23 12:43	1

Client Sample ID: B-4-S-2'-2-20230307

Lab Sample ID: 890-4261-7
Matrix: Solid
Date Collected: 03/07/23 11:00
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		03/09/23 10:44	03/10/23 13:53	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		03/09/23 10:44	03/10/23 13:53	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		03/09/23 10:44	03/10/23 13:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		03/09/23 10:44	03/10/23 13:53	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		03/09/23 10:44	03/10/23 13:53	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		03/09/23 10:44	03/10/23 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*03/09/23 10:44*	*03/10/23 13:53*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*03/09/23 10:44*	*03/10/23 13:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			03/10/23 17:20	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**38.7**	**J**	50.0	15.0	mg/Kg			03/13/23 16:53	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**19.7**	**J**	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 15:00	1
Diesel Range Organics (Over C10-C28)	**19.0**	**J**	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 15:00	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-4-S-2'-2-20230307
Date Collected: 03/07/23 11:00
Date Received: 03/08/23 16:12

Lab Sample ID: 890-4261-7
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*03/09/23 15:59*	*03/10/23 15:00*	*1*
o-Terphenyl	*107*		*70 - 130*	*03/09/23 15:59*	*03/10/23 15:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**444**		5.01	0.396	mg/Kg			03/10/23 12:48	1

Client Sample ID: B-5-S-1'-2-2-20230307
Date Collected: 03/07/23 11:10
Date Received: 03/08/23 16:12

Lab Sample ID: 890-4261-8
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		03/09/23 10:44	03/10/23 14:14	1
Toluene	<0.00201	U	0.00201	0.000459	mg/Kg		03/09/23 10:44	03/10/23 14:14	1
Ethylbenzene	<0.00201	U	0.00201	0.000568	mg/Kg		03/09/23 10:44	03/10/23 14:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00102	mg/Kg		03/09/23 10:44	03/10/23 14:14	1
o-Xylene	<0.00201	U	0.00201	0.000346	mg/Kg		03/09/23 10:44	03/10/23 14:14	1
Xylenes, Total	<0.00402	U	0.00402	0.00102	mg/Kg		03/09/23 10:44	03/10/23 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*03/09/23 10:44*	*03/10/23 14:14*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*03/09/23 10:44*	*03/10/23 14:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00102	mg/Kg			03/10/23 17:20	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.0	mg/Kg			03/13/23 16:53	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 15:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 15:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*03/09/23 15:59*	*03/10/23 15:44*	*1*
o-Terphenyl	*90*		*70 - 130*	*03/09/23 15:59*	*03/10/23 15:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**332**		4.99	0.394	mg/Kg			03/10/23 12:53	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-6-S-1'-2'-2-20230307

Lab Sample ID: 890-4261-9
Matrix: Solid
Date Collected: 03/07/23 11:20
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000386	mg/Kg		03/09/23 10:44	03/10/23 14:35	1
Toluene	<0.00200	U	0.00200	0.000457	mg/Kg		03/09/23 10:44	03/10/23 14:35	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg		03/09/23 10:44	03/10/23 14:35	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		03/09/23 10:44	03/10/23 14:35	1
o-Xylene	<0.00200	U	0.00200	0.000345	mg/Kg		03/09/23 10:44	03/10/23 14:35	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg		03/09/23 10:44	03/10/23 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*03/09/23 10:44*	*03/10/23 14:35*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*03/09/23 10:44*	*03/10/23 14:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	0.00101	mg/Kg			03/10/23 17:20	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.0	mg/Kg			03/13/23 16:53	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 16:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 16:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 15:59	03/10/23 16:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*03/09/23 15:59*	*03/10/23 16:07*	*1*
o-Terphenyl	*95*		*70 - 130*	*03/09/23 15:59*	*03/10/23 16:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**308**		4.97	0.393	mg/Kg			03/10/23 12:58	1

Client Sample ID: B-7-S-1'-2-20230307

Lab Sample ID: 890-4261-10
Matrix: Solid
Date Collected: 03/07/23 11:30
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		03/10/23 11:09	03/10/23 18:40	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		03/10/23 11:09	03/10/23 18:40	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		03/10/23 11:09	03/10/23 18:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		03/10/23 11:09	03/10/23 18:40	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		03/10/23 11:09	03/10/23 18:40	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		03/10/23 11:09	03/10/23 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*03/10/23 11:09*	*03/10/23 18:40*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*03/10/23 11:09*	*03/10/23 18:40*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-7-S-1'-2-20230307

Lab Sample ID: 890-4261-10
Matrix: Solid
Date Collected: 03/07/23 11:30
Date Received: 03/08/23 16:12

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			03/13/23 18:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**45.0**	**J**	49.9	15.0	mg/Kg			03/13/23 16:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**17.9**	**J B**	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 16:03	1
Diesel Range Organics (Over C10-C28)	**27.1**	**J**	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 16:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 16:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*03/10/23 13:27*	*03/11/23 16:03*	*1*
o-Terphenyl	*93*		*70 - 130*	*03/10/23 13:27*	*03/11/23 16:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1470**		24.8	1.96	mg/Kg			03/10/23 13:03	5

Client Sample ID: B-8-S-1'-2-20230307

Lab Sample ID: 890-4261-11
Matrix: Solid
Date Collected: 03/07/23 11:40
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000532**	**J**	0.00199	0.000383	mg/Kg		03/10/23 11:09	03/10/23 22:33	1
Toluene	**0.00151**	**J**	0.00199	0.000454	mg/Kg		03/10/23 11:09	03/10/23 22:33	1
Ethylbenzene	**0.00157**	**J**	0.00199	0.000563	mg/Kg		03/10/23 11:09	03/10/23 22:33	1
m-Xylene & p-Xylene	**0.00451**		0.00398	0.00101	mg/Kg		03/10/23 11:09	03/10/23 22:33	1
o-Xylene	**0.00218**		0.00199	0.000343	mg/Kg		03/10/23 11:09	03/10/23 22:33	1
Xylenes, Total	**0.00669**		0.00398	0.00101	mg/Kg		03/10/23 11:09	03/10/23 22:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/10/23 11:09*	*03/10/23 22:33*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*03/10/23 11:09*	*03/10/23 22:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0103**		0.00398	0.00101	mg/Kg			03/13/23 18:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**51.4**		49.9	15.0	mg/Kg			03/13/23 16:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**24.1**	**J B**	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 16:47	1
Diesel Range Organics (Over C10-C28)	**27.3**	**J**	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 16:47	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-8-S-1'-2-20230307 Lab Sample ID: 890-4261-11

Date Collected: 03/07/23 11:40 **Matrix: Solid**
Date Received: 03/08/23 16:12

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*03/10/23 13:27*	*03/11/23 16:47*	*1*
o-Terphenyl	*100*		*70 - 130*	*03/10/23 13:27*	*03/11/23 16:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1160**		5.00	0.395	mg/Kg			03/10/23 13:07	1

Client Sample ID: B-9-S-1'-2-20230307 Lab Sample ID: 890-4261-12

Date Collected: 03/07/23 11:50 **Matrix: Solid**
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/10/23 11:09	03/10/23 22:53	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		03/10/23 11:09	03/10/23 22:53	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		03/10/23 11:09	03/10/23 22:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		03/10/23 11:09	03/10/23 22:53	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		03/10/23 11:09	03/10/23 22:53	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		03/10/23 11:09	03/10/23 22:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*03/10/23 11:09*	*03/10/23 22:53*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*03/10/23 11:09*	*03/10/23 22:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			03/13/23 18:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**24.5**	**J**	50.0	15.0	mg/Kg			03/13/23 16:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**24.5**	**J B**	50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 17:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 17:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*03/10/23 13:27*	*03/11/23 17:10*	*1*
o-Terphenyl	*95*		*70 - 130*	*03/10/23 13:27*	*03/11/23 17:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1130**		5.04	0.398	mg/Kg			03/10/23 13:22	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-10-S-1'-20230307

Lab Sample ID: 890-4261-13
Matrix: Solid
Date Collected: 03/07/23 12:00
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000973**	**J**	0.00200	0.000384	mg/Kg		03/10/23 11:09	03/10/23 23:14	1
Toluene	**0.00170**	**J**	0.00200	0.000455	mg/Kg		03/10/23 11:09	03/10/23 23:14	1
Ethylbenzene	**0.00170**	**J**	0.00200	0.000564	mg/Kg		03/10/23 11:09	03/10/23 23:14	1
m-Xylene & p-Xylene	**0.00407**		0.00399	0.00101	mg/Kg		03/10/23 11:09	03/10/23 23:14	1
o-Xylene	**0.00299**		0.00200	0.000343	mg/Kg		03/10/23 11:09	03/10/23 23:14	1
Xylenes, Total	**0.00706**		0.00399	0.00101	mg/Kg		03/10/23 11:09	03/10/23 23:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*03/10/23 11:09*	*03/10/23 23:14*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*03/10/23 11:09*	*03/10/23 23:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0114**		0.00399	0.00101	mg/Kg			03/13/23 18:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**46.6**	**J**	50.0	15.0	mg/Kg			03/13/23 16:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**46.6**	**J B**	50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 17:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 17:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*03/10/23 13:27*	*03/11/23 17:32*	*1*
o-Terphenyl	*102*		*70 - 130*	*03/10/23 13:27*	*03/11/23 17:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1050**		4.97	0.393	mg/Kg			03/10/23 13:27	1

Client Sample ID: B-11-S-1'-20230307

Lab Sample ID: 890-4261-14
Matrix: Solid
Date Collected: 03/07/23 12:10
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000386	mg/Kg		03/10/23 11:09	03/10/23 23:34	1
Toluene	**0.000487**	**J**	0.00200	0.000457	mg/Kg		03/10/23 11:09	03/10/23 23:34	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg		03/10/23 11:09	03/10/23 23:34	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		03/10/23 11:09	03/10/23 23:34	1
o-Xylene	**0.000559**	**J**	0.00200	0.000345	mg/Kg		03/10/23 11:09	03/10/23 23:34	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg		03/10/23 11:09	03/10/23 23:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*03/10/23 11:09*	*03/10/23 23:34*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*03/10/23 11:09*	*03/10/23 23:34*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-11-S-1'-20230307

Lab Sample ID: 890-4261-14
Matrix: Solid
Date Collected: 03/07/23 12:10
Date Received: 03/08/23 16:12

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00105**	**J**	0.00401	0.00101	mg/Kg			03/13/23 18:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**41.7**	**J**	49.9	15.0	mg/Kg			03/13/23 16:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**25.7**	**J B**	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 17:54	1
Diesel Range Organics (Over C10-C28)	**16.0**	**J**	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 17:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*03/10/23 13:27*	*03/11/23 17:54*	*1*
o-Terphenyl	*105*		*70 - 130*	*03/10/23 13:27*	*03/11/23 17:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**581**		5.00	0.395	mg/Kg			03/10/23 13:41	1

Client Sample ID: B-12-S-1'-20230307

Lab Sample ID: 890-4261-15
Matrix: Solid
Date Collected: 03/07/23 12:50
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/10/23 11:09	03/10/23 23:54	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		03/10/23 11:09	03/10/23 23:54	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		03/10/23 11:09	03/10/23 23:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		03/10/23 11:09	03/10/23 23:54	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		03/10/23 11:09	03/10/23 23:54	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		03/10/23 11:09	03/10/23 23:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*03/10/23 11:09*	*03/10/23 23:54*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*03/10/23 11:09*	*03/10/23 23:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			03/13/23 18:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**63.4**		49.9	15.0	mg/Kg			03/13/23 16:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**28.8**	**J B**	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 18:16	1
Diesel Range Organics (Over C10-C28)	**34.6**	**J**	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 18:16	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-12-S-1'-20230307

Lab Sample ID: 890-4261-15
Matrix: Solid
Date Collected: 03/07/23 12:50
Date Received: 03/08/23 16:12

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*03/10/23 13:27*	*03/11/23 18:16*	*1*
o-Terphenyl	*106*		*70 - 130*	*03/10/23 13:27*	*03/11/23 18:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1190**		4.99	0.394	mg/Kg			03/10/23 13:46	1

Client Sample ID: B-13-S-1'-20230307

Lab Sample ID: 890-4261-16
Matrix: Solid
Date Collected: 03/07/23 13:00
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/10/23 11:09	03/11/23 00:15	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		03/10/23 11:09	03/11/23 00:15	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		03/10/23 11:09	03/11/23 00:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		03/10/23 11:09	03/11/23 00:15	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		03/10/23 11:09	03/11/23 00:15	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		03/10/23 11:09	03/11/23 00:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*03/10/23 11:09*	*03/11/23 00:15*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*03/10/23 11:09*	*03/11/23 00:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			03/13/23 18:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**18.9**	**J**	50.0	15.0	mg/Kg			03/13/23 16:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**18.9**	**J B**	50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 18:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 18:38	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*03/10/23 13:27*	*03/11/23 18:38*	*1*
o-Terphenyl	*97*		*70 - 130*	*03/10/23 13:27*	*03/11/23 18:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**364**		5.01	0.396	mg/Kg			03/10/23 13:51	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-14-S-1'-20230307

Lab Sample ID: 890-4261-17
Matrix: Solid
Date Collected: 03/07/23 13:10
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/10/23 11:09	03/11/23 00:35	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		03/10/23 11:09	03/11/23 00:35	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		03/10/23 11:09	03/11/23 00:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		03/10/23 11:09	03/11/23 00:35	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		03/10/23 11:09	03/11/23 00:35	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		03/10/23 11:09	03/11/23 00:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*03/10/23 11:09*	*03/11/23 00:35*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/10/23 11:09*	*03/11/23 00:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			03/13/23 18:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**45.3**	**J**	49.9	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**45.3**	**J B**	49.9	15.0	mg/Kg		03/09/23 17:23	03/13/23 05:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/09/23 17:23	03/13/23 05:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/09/23 17:23	03/13/23 05:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*03/09/23 17:23*	*03/13/23 05:02*	*1*
o-Terphenyl	*93*		*70 - 130*	*03/09/23 17:23*	*03/13/23 05:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**768**		4.98	0.393	mg/Kg			03/10/23 13:56	1

Client Sample ID: B-15-S-1'-20230307

Lab Sample ID: 890-4261-18
Matrix: Solid
Date Collected: 03/07/23 13:20
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/10/23 11:09	03/11/23 00:56	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		03/10/23 11:09	03/11/23 00:56	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		03/10/23 11:09	03/11/23 00:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		03/10/23 11:09	03/11/23 00:56	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		03/10/23 11:09	03/11/23 00:56	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		03/10/23 11:09	03/11/23 00:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*03/10/23 11:09*	*03/11/23 00:56*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*03/10/23 11:09*	*03/11/23 00:56*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-15-S-1'-20230307

Lab Sample ID: 890-4261-18
Matrix: Solid
Date Collected: 03/07/23 13:20
Date Received: 03/08/23 16:12

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			03/13/23 18:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**27.0**	**J**	49.8	14.9	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**27.0**	**J B**	49.8	14.9	mg/Kg		03/09/23 17:23	03/13/23 05:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	14.9	mg/Kg		03/09/23 17:23	03/13/23 05:24	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		03/09/23 17:23	03/13/23 05:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*03/09/23 17:23*	*03/13/23 05:24*	*1*
o-Terphenyl	*84*		*70 - 130*	*03/09/23 17:23*	*03/13/23 05:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**177**		5.03	0.397	mg/Kg			03/10/23 14:01	1

Client Sample ID: B-16-S-1'-20230307

Lab Sample ID: 890-4261-19
Matrix: Solid
Date Collected: 03/07/23 13:30
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		03/10/23 11:09	03/11/23 01:16	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		03/10/23 11:09	03/11/23 01:16	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		03/10/23 11:09	03/11/23 01:16	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		03/10/23 11:09	03/11/23 01:16	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		03/10/23 11:09	03/11/23 01:16	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		03/10/23 11:09	03/11/23 01:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*03/10/23 11:09*	*03/11/23 01:16*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/10/23 11:09*	*03/11/23 01:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			03/13/23 18:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**37.7**	**J**	50.0	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**37.7**	**J B**	50.0	15.0	mg/Kg		03/09/23 17:23	03/13/23 05:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 17:23	03/13/23 05:45	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-16-S-1'-20230307 Lab Sample ID: 890-4261-19

Date Collected: 03/07/23 13:30 **Matrix: Solid**
Date Received: 03/08/23 16:12

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 17:23	03/13/23 05:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*03/09/23 17:23*	*03/13/23 05:45*	*1*
o-Terphenyl	*94*		*70 - 130*	*03/09/23 17:23*	*03/13/23 05:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**575**		5.00	0.395	mg/Kg			03/10/23 14:06	1

Client Sample ID: B-17-S-1'-20230307 Lab Sample ID: 890-4261-20

Date Collected: 03/07/23 13:40 **Matrix: Solid**
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		03/10/23 11:09	03/11/23 01:36	1
Toluene	<0.00201	U	0.00201	0.000458	mg/Kg		03/10/23 11:09	03/11/23 01:36	1
Ethylbenzene	<0.00201	U	0.00201	0.000567	mg/Kg		03/10/23 11:09	03/11/23 01:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg		03/10/23 11:09	03/11/23 01:36	1
o-Xylene	<0.00201	U	0.00201	0.000345	mg/Kg		03/10/23 11:09	03/11/23 01:36	1
Xylenes, Total	<0.00402	U	0.00402	0.00101	mg/Kg		03/10/23 11:09	03/11/23 01:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*03/10/23 11:09*	*03/11/23 01:36*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*03/10/23 11:09*	*03/11/23 01:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00101	mg/Kg			03/13/23 18:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.0	mg/Kg			03/13/23 17:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		03/09/23 17:23	03/13/23 06:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 17:23	03/13/23 06:07	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 17:23	03/13/23 06:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*03/09/23 17:23*	*03/13/23 06:07*	*1*
o-Terphenyl	*81*		*70 - 130*	*03/09/23 17:23*	*03/13/23 06:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**393**		4.99	0.394	mg/Kg			03/10/23 14:10	1

Client Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-18-S-1'-20230307 Lab Sample ID: 890-4261-21

Date Collected: 03/07/23 13:50 **Matrix: Solid**
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		03/09/23 10:06	03/13/23 19:17	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		03/09/23 10:06	03/13/23 19:17	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		03/09/23 10:06	03/13/23 19:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		03/09/23 10:06	03/13/23 19:17	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		03/09/23 10:06	03/13/23 19:17	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		03/09/23 10:06	03/13/23 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*03/09/23 10:06*	*03/13/23 19:17*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*03/09/23 10:06*	*03/13/23 19:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			03/15/23 17:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**34.8**	**J**	49.9	15.0	mg/Kg			03/13/23 16:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**34.8**	**J B**	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 19:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 19:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*03/10/23 13:27*	*03/11/23 19:00*	*1*
o-Terphenyl	*108*		*70 - 130*	*03/10/23 13:27*	*03/11/23 19:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1320**	**F1**	25.2	1.99	mg/Kg			03/10/23 15:04	5

Client Sample ID: B-19-S-1'-20230307 Lab Sample ID: 890-4261-22

Date Collected: 03/07/23 14:00 **Matrix: Solid**
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000468**	**J**	0.00201	0.000387	mg/Kg		03/09/23 10:06	03/13/23 19:37	1
Toluene	<0.00201	U	0.00201	0.000459	mg/Kg		03/09/23 10:06	03/13/23 19:37	1
Ethylbenzene	<0.00201	U	0.00201	0.000568	mg/Kg		03/09/23 10:06	03/13/23 19:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00102	mg/Kg		03/09/23 10:06	03/13/23 19:37	1
o-Xylene	**0.000396**	**J**	0.00201	0.000346	mg/Kg		03/09/23 10:06	03/13/23 19:37	1
Xylenes, Total	<0.00402	U	0.00402	0.00102	mg/Kg		03/09/23 10:06	03/13/23 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*03/09/23 10:06*	*03/13/23 19:37*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*03/09/23 10:06*	*03/13/23 19:37*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-19-S-1'-20230307

Lab Sample ID: 890-4261-22
Matrix: Solid
Date Collected: 03/07/23 14:00
Date Received: 03/08/23 16:12

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00102	mg/Kg			03/15/23 17:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**37.9**	**J**	49.9	15.0	mg/Kg			03/13/23 16:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**37.9**	**J B**	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 19:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 19:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*03/10/23 13:27*	*03/11/23 19:22*	*1*
o-Terphenyl	*115*		*70 - 130*	*03/10/23 13:27*	*03/11/23 19:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1280**		5.01	0.396	mg/Kg			03/10/23 15:18	1

Client Sample ID: B-20-S-1'-20230307

Lab Sample ID: 890-4261-23
Matrix: Solid
Date Collected: 03/07/23 14:10
Date Received: 03/08/23 16:12

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000389	mg/Kg		03/09/23 10:06	03/13/23 19:58	1
Toluene	<0.00202	U	0.00202	0.000461	mg/Kg		03/09/23 10:06	03/13/23 19:58	1
Ethylbenzene	<0.00202	U	0.00202	0.000571	mg/Kg		03/09/23 10:06	03/13/23 19:58	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00102	mg/Kg		03/09/23 10:06	03/13/23 19:58	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		03/09/23 10:06	03/13/23 19:58	1
Xylenes, Total	<0.00404	U	0.00404	0.00102	mg/Kg		03/09/23 10:06	03/13/23 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*03/09/23 10:06*	*03/13/23 19:58*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*03/09/23 10:06*	*03/13/23 19:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	0.00102	mg/Kg			03/15/23 17:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**50.8**		50.0	15.0	mg/Kg			03/13/23 16:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**30.9**	**J B**	50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 19:44	1
Diesel Range Organics (Over C10-C28)	**19.9**	**J**	50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 19:44	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-20-S-1'-20230307
Date Collected: 03/07/23 14:10
Date Received: 03/08/23 16:12

Lab Sample ID: 890-4261-23
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*03/10/23 13:27*	*03/11/23 19:44*	*1*
o-Terphenyl	*107*		*70 - 130*	*03/10/23 13:27*	*03/11/23 19:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**671**		4.98	0.393	mg/Kg			03/10/23 15:23	1

Client Sample ID: B-21-S-1'-20230307
Date Collected: 03/07/23 14:20
Date Received: 03/08/23 16:12

Lab Sample ID: 890-4261-24
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		03/09/23 10:06	03/13/23 20:18	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		03/09/23 10:06	03/13/23 20:18	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		03/09/23 10:06	03/13/23 20:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		03/09/23 10:06	03/13/23 20:18	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		03/09/23 10:06	03/13/23 20:18	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		03/09/23 10:06	03/13/23 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*03/09/23 10:06*	*03/13/23 20:18*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*03/09/23 10:06*	*03/13/23 20:18*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			03/15/23 17:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**24.4**	**J**	49.9	15.0	mg/Kg			03/13/23 16:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**24.4**	**J B**	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 20:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 20:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/23 13:27	03/11/23 20:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*03/10/23 13:27*	*03/11/23 20:05*	*1*
o-Terphenyl	*101*		*70 - 130*	*03/10/23 13:27*	*03/11/23 20:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2210**		25.1	1.98	mg/Kg			03/10/23 15:28	5

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-25768-1	SW-4-S-0-1'-20230309	93	92
880-25768-1 MS	SW-4-S-0-1'-20230309	111	87
880-25768-1 MSD	SW-4-S-0-1'-20230309	108	90
880-25768-2	SW-5-S-0-1'-20230309	98	89
880-25768-3	SW-6-S-0-1'-20230309	79	73
880-25768-4	SW-7-S-0-1'-20230309	108	84
880-25768-5	B-22-S-1'-20230309	49 S1-	88
880-25768-6	B-23-S-1'-20230309	101	89
880-25768-7	B-24-S-1'-20230309	104	91
880-25768-8	B-25-S-1'-20230309	105	91
880-25768-9	B-26-S-1'-20230309	103	89
880-25768-10	B-27-S-1'-20230309	79	74
880-25768-11	B-28-S-1'-20230309	56 S1-	107
880-25768-12	B-29-S-1'-20230309	50 S1-	98
880-25768-13	B-30-S-1'-20230309	112	89
880-25768-14	B-31-S-1'-20230309	54 S1-	87
880-25768-15	B-32-S-1'-20230309	51 S1-	100
880-25768-16	B-33-S-1'-20230309	107	84
880-25768-17	B-34-S-1'-20230309	93	80
880-25768-18	B-35-S-1'-20230309	111	85
880-25768-19	B-36-S-1'-20230309	112	87
880-25768-20	B-37-S-1'-20230309	53 S1-	110
880-25768-21	B-38-S-1'-20230309	100	90
880-25768-21 MS	B-38-S-1'-20230309	117	102
880-25768-21 MSD	B-38-S-1'-20230309	87	104
880-25768-22	B-39-S-1'-20230309	80	95
880-25768-23	B-40-S-1'-20230309	85	88
880-25768-24	B-41-S-1'-20230309	103	90
880-25768-25	B-42-S-1'-20230309	100	92
880-25768-26	B-43-S-1'-20230309	76	100
880-25768-27	B-44-S-1'-20230309	92	91
880-25768-28	B-45-S-1'-20230309	79	91
880-25768-29	B-46-S-1'-20230309	101	96
880-25768-30	B-47-S-1'-20230309	99	92
880-25768-31	B-48-S-1'-20230309	97	90
880-25768-32	B-49-S-1'-20230309	104	93
880-25768-33	B-50-S-1'-20230309	104	92
880-25768-34	B-51-S-1'-20230309	101	93
880-25768-35	B-52-S-1'-20230309	79	94
880-25768-36	B-53-S-1'-20230309	81	90
880-25768-37	B-54-S-1'-20230309	98	96
880-25768-38	B-55-S-1'-20230309	75	94
880-25768-39	B-56-S-1'-20230309	95	95
880-25768-40	B-57-S-1'-20230309	78	97
880-25768-41	B-58-S-1'-20230309	81	62 S1-
880-25768-42	B-59-S-1'-20230309	72	73
880-25966-1	SW-3B-S-0-1'-20230314	68 S1-	68 S1-
880-26151-1	SW-1B-S-0-2'-20230320	90	70
890-4261-1	SW-1-S-0-2'- 20230307	111	105

Surrogate Summary

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)								
890-4261-1 MS	SW-1-S-0-2'- 20230307	117	113								
890-4261-1 MSD	SW-1-S-0-2'- 20230307	114	106								
890-4261-2	SW-2-S-0-2'- 20230307	114	99								
890-4261-3	SW-3-S-0-2'- 20230307	122	102								
890-4261-4	B-1-S-2'-2-20230307	80	60 S1-								
890-4261-5	B-2-S-2'-2-20230307	125	88								
890-4261-6	B-3-S-2'-2-20230307	45 S1-	82								
890-4261-7	B-4-S-2'-2-20230307	132 S1+	82								
890-4261-8	B-5-S-1'-2-2-20230307	130	75								
890-4261-9	B-6-S-1'-2'-2-20230307	128	73								
890-4261-10	B-7-S-1'-2-20230307	124	103								
890-4261-11	B-8-S-1'-2-20230307	98	95								
890-4261-12	B-9-S-1'-2-20230307	119	105								
890-4261-13	B-10-S-1'-20230307	99	107								
890-4261-14	B-11-S-1'-20230307	110	97								
890-4261-15	B-12-S-1'-20230307	119	105								
890-4261-16	B-13-S-1'-20230307	113	106								
890-4261-17	B-14-S-1'-20230307	113	100								
890-4261-18	B-15-S-1'-20230307	108	99								
890-4261-19	B-16-S-1'-20230307	114	100								
890-4261-20	B-17-S-1'-20230307	113	96								
890-4261-21	B-18-S-1'-20230307	99	96								
890-4261-22	B-19-S-1'-20230307	77	88								
890-4261-23	B-20-S-1'-20230307	96	89								
890-4261-24	B-21-S-1'-20230307	105	96								
LCS 880-48192/1-A	Lab Control Sample	93	102								
LCS 880-48199/1-A	Lab Control Sample	117	81								
LCS 880-48309/1-A	Lab Control Sample	117	111								
LCS 880-48712/1-A	Lab Control Sample	88	112								
LCS 880-48843/1-A	Lab Control Sample	110	91								
LCS 880-48844/1-A	Lab Control Sample	102	93								
LCS 880-48951/1-A	Lab Control Sample	85	91								
LCS 880-49091/1-A	Lab Control Sample	86	107								
LCSD 880-48192/2-A	Lab Control Sample Dup	93	103								
LCSD 880-48199/2-A	Lab Control Sample Dup	112	88								
LCSD 880-48309/2-A	Lab Control Sample Dup	116	114								
LCSD 880-48712/2-A	Lab Control Sample Dup	107	91								
LCSD 880-48843/2-A	Lab Control Sample Dup	103	95								
LCSD 880-48844/2-A	Lab Control Sample Dup	102	96								
LCSD 880-48951/2-A	Lab Control Sample Dup	83	109								
LCSD 880-49091/2-A	Lab Control Sample Dup	91	93								
MB 880-48192/5-A	Method Blank	93	95								
MB 880-48199/5-A	Method Blank	103	74								
MB 880-48309/5-A	Method Blank	103	100								
MB 880-48712/5-A	Method Blank	70	89								
MB 880-48843/5-A	Method Blank	88	83								
MB 880-48844/5-A	Method Blank	92	89								
MB 880-48951/5-A	Method Blank	72	86								
MB 880-49091/5-A	Method Blank	72	75								

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-25768-1	SW-4-S-0-1'-20230309	100	108
880-25768-2	SW-5-S-0-1'-20230309	101	109
880-25768-3	SW-6-S-0-1'-20230309	113	125
880-25768-4	SW-7-S-0-1'-20230309	93	100
880-25768-5	B-22-S-1'-20230309	113	122
880-25768-6	B-23-S-1'-20230309	113	119
880-25768-7	B-24-S-1'-20230309	91	120
880-25768-7 MS	B-24-S-1'-20230309	120	140 S1+
880-25768-7 MSD	B-24-S-1'-20230309	97	116
880-25768-8	B-25-S-1'-20230309	103	127
880-25768-9	B-26-S-1'-20230309	90	118
880-25768-10	B-27-S-1'-20230309	93	123
880-25768-11	B-28-S-1'-20230309	91	117
880-25768-12	B-29-S-1'-20230309	109	139 S1+
880-25768-13	B-30-S-1'-20230309	109	139 S1+
880-25768-14	B-31-S-1'-20230309	92	121
880-25768-15	B-32-S-1'-20230309	89	118
880-25768-16	B-33-S-1'-20230309	92	122
880-25768-17	B-34-S-1'-20230309	89	111
880-25768-18	B-35-S-1'-20230309	92	122
880-25768-19	B-36-S-1'-20230309	105	133 S1+
880-25768-20	B-37-S-1'-20230309	86	110
880-25768-21	B-38-S-1'-20230309	86	108
880-25768-22	B-39-S-1'-20230309	103	128
880-25768-23	B-40-S-1'-20230309	87	112
880-25768-24	B-41-S-1'-20230309	86	110
880-25768-25	B-42-S-1'-20230309	81	100
880-25768-26	B-43-S-1'-20230309	83	103
880-25768-27	B-44-S-1'-20230309	90	95
880-25768-27 MS	B-44-S-1'-20230309	105	92
880-25768-27 MSD	B-44-S-1'-20230309	99	88
880-25768-28	B-45-S-1'-20230309	88	93
880-25768-29	B-46-S-1'-20230309	89	91
880-25768-30	B-47-S-1'-20230309	85	88
880-25768-31	B-48-S-1'-20230309	87	88
880-25768-32	B-49-S-1'-20230309	105	104
880-25768-33	B-50-S-1'-20230309	85	86
880-25768-34	B-51-S-1'-20230309	87	90
880-25768-35	B-52-S-1'-20230309	88	90
880-25768-36	B-53-S-1'-20230309	85	89
880-25768-37	B-54-S-1'-20230309	99	100
880-25768-38	B-55-S-1'-20230309	82	83
880-25768-39	B-56-S-1'-20230309	84	86
880-25768-40	B-57-S-1'-20230309	85	88
880-25768-41	B-58-S-1'-20230309	88	90
880-25768-42	B-59-S-1'-20230309	100	100

Surrogate Summary

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
880-25966-1	SW-3B-S-0-1'-20230314	97	109								
880-26151-1	SW-1B-S-0-2'-20230320	99	93								
890-4261-1	SW-1-S-0-2'- 20230307	104	109								
890-4261-2	SW-2-S-0-2'- 20230307	84	90								
890-4261-3	SW-3-S-0-2'- 20230307	98	102								
890-4261-4	B-1-S-2'-2-20230307	81	93								
890-4261-5	B-2-S-2'-2-20230307	79	90								
890-4261-6	B-3-S-2'-2-20230307	100	112								
890-4261-7	B-4-S-2'-2-20230307	97	107								
890-4261-8	B-5-S-1'-2-2-20230307	81	90								
890-4261-9	B-6-S-1'-2'-2-20230307	86	95								
890-4261-10	B-7-S-1'-2-20230307	87	93								
890-4261-11	B-8-S-1'-2-20230307	98	100								
890-4261-12	B-9-S-1'-2-20230307	89	95								
890-4261-13	B-10-S-1'-20230307	103	102								
890-4261-14	B-11-S-1'-20230307	103	105								
890-4261-15	B-12-S-1'-20230307	103	106								
890-4261-16	B-13-S-1'-20230307	90	97								
890-4261-17	B-14-S-1'-20230307	94	93								
890-4261-18	B-15-S-1'-20230307	81	84								
890-4261-19	B-16-S-1'-20230307	95	94								
890-4261-20	B-17-S-1'-20230307	84	81								
890-4261-21	B-18-S-1'-20230307	102	108								
890-4261-22	B-19-S-1'-20230307	104	115								
890-4261-23	B-20-S-1'-20230307	102	107								
890-4261-24	B-21-S-1'-20230307	86	101								
LCS 880-48252/2-A	Lab Control Sample	87	98								
LCS 880-48262/2-A	Lab Control Sample	89	82								
LCS 880-48322/2-A	Lab Control Sample	106	98								
LCS 880-48343/2-A	Lab Control Sample	107	115								
LCS 880-48345/2-A	Lab Control Sample	81	84								
LCS 880-48346/2-A	Lab Control Sample	81	103								
LCS 880-48780/2-A	Lab Control Sample	110	123								
LCS 880-49012/2-A	Lab Control Sample	90	99								
LCSD 880-48252/3-A	Lab Control Sample Dup	87	98								
LCSD 880-48262/3-A	Lab Control Sample Dup	101	94								
LCSD 880-48322/3-A	Lab Control Sample Dup	108	105								
LCSD 880-48343/3-A	Lab Control Sample Dup	101	106								
LCSD 880-48345/3-A	Lab Control Sample Dup	90	88								
LCSD 880-48346/3-A	Lab Control Sample Dup	86	110								
LCSD 880-48780/3-A	Lab Control Sample Dup	108	120								
LCSD 880-49012/3-A	Lab Control Sample Dup	101	112								
MB 880-48252/1-A	Method Blank	117	132 S1+								
MB 880-48262/1-A	Method Blank	137 S1+	144 S1+								
MB 880-48322/1-A	Method Blank	121	129								
MB 880-48343/1-A	Method Blank	144 S1+	163 S1+								
MB 880-48345/1-A	Method Blank	121	129								
MB 880-48346/1-A	Method Blank	116	157 S1+								
MB 880-48780/1-A	Method Blank	109	129								
MB 880-49012/1-A	Method Blank	128	133 S1+								

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-48192/5-A
Matrix: Solid
Analysis Batch: 48425

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48192

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		03/09/23 10:06	03/13/23 11:51	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		03/09/23 10:06	03/13/23 11:51	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		03/09/23 10:06	03/13/23 11:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		03/09/23 10:06	03/13/23 11:51	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		03/09/23 10:06	03/13/23 11:51	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		03/09/23 10:06	03/13/23 11:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*03/09/23 10:06*	*03/13/23 11:51*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*03/09/23 10:06*	*03/13/23 11:51*	*1*

Lab Sample ID: LCS 880-48192/1-A
Matrix: Solid
Analysis Batch: 48425

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48192

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08568		mg/Kg		86	70 - 130
Toluene	0.100	0.08848		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.08317		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	0.200	0.1706		mg/Kg		85	70 - 130
o-Xylene	0.100	0.08409		mg/Kg		84	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-48192/2-A
Matrix: Solid
Analysis Batch: 48425

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48192

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08482		mg/Kg		85	70 - 130	1	35
Toluene	0.100	0.08647		mg/Kg		86	70 - 130	2	35
Ethylbenzene	0.100	0.08262		mg/Kg		83	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1696		mg/Kg		85	70 - 130	1	35
o-Xylene	0.100	0.08441		mg/Kg		84	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: MB 880-48199/5-A
Matrix: Solid
Analysis Batch: 48285

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48199

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		03/09/23 10:44	03/10/23 12:08	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		03/09/23 10:44	03/10/23 12:08	1

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-48199/5-A
Matrix: Solid
Analysis Batch: 48285

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48199

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		03/09/23 10:44	03/10/23 12:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		03/09/23 10:44	03/10/23 12:08	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		03/09/23 10:44	03/10/23 12:08	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		03/09/23 10:44	03/10/23 12:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*03/09/23 10:44*	*03/10/23 12:08*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*03/09/23 10:44*	*03/10/23 12:08*	*1*

Lab Sample ID: LCS 880-48199/1-A
Matrix: Solid
Analysis Batch: 48285

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48199

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09279		mg/Kg		93	70 - 130
Toluene	0.100	0.1003		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.1067		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	0.200	0.2127		mg/Kg		106	70 - 130
o-Xylene	0.100	0.1080		mg/Kg		108	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*

Lab Sample ID: LCSD 880-48199/2-A
Matrix: Solid
Analysis Batch: 48285

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48199

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08991		mg/Kg		90	70 - 130	3	35
Toluene	0.100	0.09432		mg/Kg		94	70 - 130	6	35
Ethylbenzene	0.100	0.09333		mg/Kg		93	70 - 130	13	35
m-Xylene & p-Xylene	0.200	0.1870		mg/Kg		93	70 - 130	13	35
o-Xylene	0.100	0.09417		mg/Kg		94	70 - 130	14	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*

Lab Sample ID: MB 880-48309/5-A
Matrix: Solid
Analysis Batch: 48323

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48309

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		03/10/23 11:09	03/10/23 17:11	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		03/10/23 11:09	03/10/23 17:11	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		03/10/23 11:09	03/10/23 17:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		03/10/23 11:09	03/10/23 17:11	1

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-48309/5-A
Matrix: Solid
Analysis Batch: 48323

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48309

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		03/10/23 11:09	03/10/23 17:11	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		03/10/23 11:09	03/10/23 17:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*03/10/23 11:09*	*03/10/23 17:11*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/10/23 11:09*	*03/10/23 17:11*	*1*

Lab Sample ID: LCS 880-48309/1-A
Matrix: Solid
Analysis Batch: 48323

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48309

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1064		mg/Kg		106	70 - 130
Toluene	0.100	0.1009		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.1043		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	0.200	0.2219		mg/Kg		111	70 - 130
o-Xylene	0.100	0.1064		mg/Kg		106	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: LCSD 880-48309/2-A
Matrix: Solid
Analysis Batch: 48323

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48309

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1087		mg/Kg		109	70 - 130	2	35
Toluene	0.100	0.1023		mg/Kg		102	70 - 130	1	35
Ethylbenzene	0.100	0.1042		mg/Kg		104	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.2209		mg/Kg		110	70 - 130	0	35
o-Xylene	0.100	0.1061		mg/Kg		106	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*

Lab Sample ID: 890-4261-1 MS
Matrix: Solid
Analysis Batch: 48323

Client Sample ID: SW-1-S-0-2'- 20230307
Prep Type: Total/NA
Prep Batch: 48309

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.0998	0.1022		mg/Kg		102	70 - 130
Toluene	<0.00198	U	0.0998	0.09697		mg/Kg		97	70 - 130
Ethylbenzene	<0.00198	U	0.0998	0.09675		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	<0.00396	U	0.200	0.2050		mg/Kg		103	70 - 130
o-Xylene	0.000400	J	0.0998	0.1010		mg/Kg		101	70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-4261-1 MS
Matrix: Solid
Analysis Batch: 48323

Client Sample ID: SW-1-S-0-2'- 20230307
Prep Type: Total/NA
Prep Batch: 48309

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: 890-4261-1 MSD
Matrix: Solid
Analysis Batch: 48323

Client Sample ID: SW-1-S-0-2'- 20230307
Prep Type: Total/NA
Prep Batch: 48309

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.100	0.08124		mg/Kg		81	70 - 130	23	35
Toluene	<0.00198	U	0.100	0.07607		mg/Kg		76	70 - 130	24	35
Ethylbenzene	<0.00198	U	0.100	0.07989		mg/Kg		80	70 - 130	19	35
m-Xylene & p-Xylene	<0.00396	U	0.200	0.1675		mg/Kg		84	70 - 130	20	35
o-Xylene	0.000400	J	0.100	0.08249		mg/Kg		82	70 - 130	20	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: MB 880-48712/5-A
Matrix: Solid
Analysis Batch: 48707

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48712

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		03/16/23 09:01	03/16/23 11:55	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		03/16/23 09:01	03/16/23 11:55	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		03/16/23 09:01	03/16/23 11:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		03/16/23 09:01	03/16/23 11:55	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		03/16/23 09:01	03/16/23 11:55	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		03/16/23 09:01	03/16/23 11:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130	03/16/23 09:01	03/16/23 11:55	1
1,4-Difluorobenzene (Surr)	89		70 - 130	03/16/23 09:01	03/16/23 11:55	1

Lab Sample ID: LCS 880-48712/1-A
Matrix: Solid
Analysis Batch: 48707

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48712

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1130		mg/Kg		113	70 - 130		
Toluene			0.100	0.09471		mg/Kg		95	70 - 130		
Ethylbenzene			0.100	0.08669		mg/Kg		87	70 - 130		
m-Xylene & p-Xylene			0.200	0.1820		mg/Kg		91	70 - 130		
o-Xylene			0.100	0.08894		mg/Kg		89	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-48712/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 48707 **Prep Batch: 48712**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: LCSD 880-48712/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 48707 **Prep Batch: 48712**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09499		mg/Kg		95	70 - 130	17	35
Toluene			0.100	0.09326		mg/Kg		93	70 - 130	2	35
Ethylbenzene			0.100	0.09392		mg/Kg		94	70 - 130	8	35
m-Xylene & p-Xylene			0.200	0.2082		mg/Kg		104	70 - 130	13	35
o-Xylene			0.100	0.1004		mg/Kg		100	70 - 130	12	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: MB 880-48843/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 48882 **Prep Batch: 48843**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		03/17/23 13:09	03/18/23 12:07	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		03/17/23 13:09	03/18/23 12:07	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		03/17/23 13:09	03/18/23 12:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		03/17/23 13:09	03/18/23 12:07	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		03/17/23 13:09	03/18/23 12:07	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		03/17/23 13:09	03/18/23 12:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	03/17/23 13:09	03/18/23 12:07	1
1,4-Difluorobenzene (Surr)	83		70 - 130	03/17/23 13:09	03/18/23 12:07	1

Lab Sample ID: LCS 880-48843/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 48882 **Prep Batch: 48843**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene			0.100	0.09982		mg/Kg		100	70 - 130
Toluene			0.100	0.1163		mg/Kg		116	70 - 130
Ethylbenzene			0.100	0.1005		mg/Kg		100	70 - 130
m-Xylene & p-Xylene			0.200	0.2103		mg/Kg		105	70 - 130
o-Xylene			0.100	0.1042		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-48843/2-A
Matrix: Solid
Analysis Batch: 48882

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48843

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09633		mg/Kg		96	70 - 130	4	35
Toluene			0.100	0.1076		mg/Kg		108	70 - 130	8	35
Ethylbenzene			0.100	0.09410		mg/Kg		94	70 - 130	7	35
m-Xylene & p-Xylene			0.200	0.1966		mg/Kg		98	70 - 130	7	35
o-Xylene			0.100	0.09672		mg/Kg		97	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 880-25768-1 MS
Matrix: Solid
Analysis Batch: 48882

Client Sample ID: SW-4-S-0-1'-20230309
Prep Type: Total/NA
Prep Batch: 48843

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U F1 F2	0.0998	0.06021	F1	mg/Kg		60	70 - 130		
Toluene	<0.00200	U	0.0998	0.08670		mg/Kg		87	70 - 130		
Ethylbenzene	<0.00200	U	0.0998	0.08105		mg/Kg		81	70 - 130		
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1664		mg/Kg		83	70 - 130		
o-Xylene	<0.00200	U	0.0998	0.08300		mg/Kg		83	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*

Lab Sample ID: 880-25768-1 MSD
Matrix: Solid
Analysis Batch: 48882

Client Sample ID: SW-4-S-0-1'-20230309
Prep Type: Total/NA
Prep Batch: 48843

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1 F2	0.100	0.09556	F2	mg/Kg		95	70 - 130	45	35
Toluene	<0.00200	U	0.100	0.1047		mg/Kg		104	70 - 130	19	35
Ethylbenzene	<0.00200	U	0.100	0.08816		mg/Kg		88	70 - 130	8	35
m-Xylene & p-Xylene	<0.00399	U	0.201	0.1800		mg/Kg		90	70 - 130	8	35
o-Xylene	<0.00200	U	0.100	0.08894		mg/Kg		89	70 - 130	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: MB 880-48844/5-A
Matrix: Solid
Analysis Batch: 48914

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48844

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		03/17/23 13:16	03/19/23 15:00	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		03/17/23 13:16	03/19/23 15:00	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		03/17/23 13:16	03/19/23 15:00	1

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-48844/5-A
Matrix: Solid
Analysis Batch: 48914

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48844

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		03/17/23 13:16	03/19/23 15:00	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		03/17/23 13:16	03/19/23 15:00	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		03/17/23 13:16	03/19/23 15:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*03/17/23 13:16*	*03/19/23 15:00*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*03/17/23 13:16*	*03/19/23 15:00*	*1*

Lab Sample ID: LCS 880-48844/1-A
Matrix: Solid
Analysis Batch: 48914

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48844

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08476		mg/Kg		85	70 - 130
Toluene	0.100	0.08679		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.08687		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1797		mg/Kg		90	70 - 130
o-Xylene	0.100	0.08886		mg/Kg		89	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: LCSD 880-48844/2-A
Matrix: Solid
Analysis Batch: 48914

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48844

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08978		mg/Kg		90	70 - 130	6	35
Toluene	0.100	0.09169		mg/Kg		92	70 - 130	5	35
Ethylbenzene	0.100	0.08673		mg/Kg		87	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1774		mg/Kg		89	70 - 130	1	35
o-Xylene	0.100	0.08843		mg/Kg		88	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 880-25768-21 MS
Matrix: Solid
Analysis Batch: 48914

Client Sample ID: B-38-S-1'-20230309
Prep Type: Total/NA
Prep Batch: 48844

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U F2 F1	0.0998	0.09261		mg/Kg		93	70 - 130
Toluene	<0.00202	U	0.0998	0.09150		mg/Kg		92	70 - 130
Ethylbenzene	<0.00202	U F1	0.0998	0.08197		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	<0.00403	U F2 F1	0.200	0.1622		mg/Kg		81	70 - 130
o-Xylene	0.000360	J F1	0.0998	0.08247		mg/Kg		82	70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-25768-21 MSD
Matrix: Solid
Analysis Batch: 48914

Client Sample ID: B-38-S-1'-20230309
Prep Type: Total/NA
Prep Batch: 48844

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U F2 F1	0.100	0.06078	F2 F1	mg/Kg		61	70 - 130	42	35
Toluene	<0.00202	U	0.100	0.07035		mg/Kg		70	70 - 130	26	35
Ethylbenzene	<0.00202	U F1	0.100	0.05980	F1	mg/Kg		60	70 - 130	31	35
m-Xylene & p-Xylene	<0.00403	U F2 F1	0.201	0.1077	F2 F1	mg/Kg		54	70 - 130	40	35
o-Xylene	0.000360	J F1	0.100	0.05766	F1	mg/Kg		57	70 - 130	35	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-48951/5-A
Matrix: Solid
Analysis Batch: 48949

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48951

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		03/20/23 08:52	03/20/23 12:12	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		03/20/23 08:52	03/20/23 12:12	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		03/20/23 08:52	03/20/23 12:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		03/20/23 08:52	03/20/23 12:12	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		03/20/23 08:52	03/20/23 12:12	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		03/20/23 08:52	03/20/23 12:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		70 - 130	03/20/23 08:52	03/20/23 12:12	1
1,4-Difluorobenzene (Surr)	86		70 - 130	03/20/23 08:52	03/20/23 12:12	1

Lab Sample ID: LCS 880-48951/1-A
Matrix: Solid
Analysis Batch: 48949

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48951

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1036		mg/Kg		104	70 - 130
Toluene	0.100	0.1035		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.09340		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1942		mg/Kg		97	70 - 130
o-Xylene	0.100	0.09432		mg/Kg		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	85		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-48951/2-A
Matrix: Solid
Analysis Batch: 48949

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48951

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1160		mg/Kg		116	70 - 130	11	35
Toluene			0.100	0.09918		mg/Kg		99	70 - 130	4	35
Ethylbenzene			0.100	0.08763		mg/Kg		88	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.1829		mg/Kg		91	70 - 130	6	35
o-Xylene			0.100	0.08907		mg/Kg		89	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: MB 880-49091/5-A
Matrix: Solid
Analysis Batch: 49077

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49091

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		03/21/23 09:28	03/21/23 12:45	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		03/21/23 09:28	03/21/23 12:45	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		03/21/23 09:28	03/21/23 12:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		03/21/23 09:28	03/21/23 12:45	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		03/21/23 09:28	03/21/23 12:45	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		03/21/23 09:28	03/21/23 12:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*70 - 130*	*03/21/23 09:28*	*03/21/23 12:45*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*03/21/23 09:28*	*03/21/23 12:45*	*1*

Lab Sample ID: LCS 880-49091/1-A
Matrix: Solid
Analysis Batch: 49077

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 49091

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene			0.100	0.1194		mg/Kg		119	70 - 130
Toluene			0.100	0.1068		mg/Kg		107	70 - 130
Ethylbenzene			0.100	0.09680		mg/Kg		97	70 - 130
m-Xylene & p-Xylene			0.200	0.2037		mg/Kg		102	70 - 130
o-Xylene			0.100	0.09948		mg/Kg		99	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 880-49091/2-A
Matrix: Solid
Analysis Batch: 49077

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 49091

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09058		mg/Kg		91	70 - 130	27	35
Toluene			0.100	0.09286		mg/Kg		93	70 - 130	14	35

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-49091/2-A
Matrix: Solid
Analysis Batch: 49077

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 49091

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene			0.100	0.08533		mg/Kg		85	70 - 130	13	35
m-Xylene & p-Xylene			0.200	0.1771		mg/Kg		89	70 - 130	14	35
o-Xylene			0.100	0.08571		mg/Kg		86	70 - 130	15	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-48252/1-A
Matrix: Solid
Analysis Batch: 48274

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48252

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		03/09/23 15:58	03/10/23 08:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 15:58	03/10/23 08:23	1
Oil Range Organics (Over C28-C36)	16.86	J	50.0	15.0	mg/Kg		03/09/23 15:58	03/10/23 08:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*03/09/23 15:58*	*03/10/23 08:23*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*03/09/23 15:58*	*03/10/23 08:23*	*1*

Lab Sample ID: LCS 880-48252/2-A
Matrix: Solid
Analysis Batch: 48274

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48252

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	1046		mg/Kg		105	70 - 130
Diesel Range Organics (Over C10-C28)			1000	771.2		mg/Kg		77	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*87*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Lab Sample ID: LCSD 880-48252/3-A
Matrix: Solid
Analysis Batch: 48274

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48252

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1029		mg/Kg		103	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	756.2		mg/Kg		76	70 - 130	2	20

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-48252/3-A
Matrix: Solid
Analysis Batch: 48274

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48252

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*87*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Lab Sample ID: MB 880-48262/1-A
Matrix: Solid
Analysis Batch: 48410

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48262

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	17.69	J	50.0	15.0	mg/Kg		03/09/23 17:23	03/12/23 21:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 17:23	03/12/23 21:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/09/23 17:23	03/12/23 21:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*137*	*S1+*	*70 - 130*	*03/09/23 17:23*	*03/12/23 21:09*	*1*
o-Terphenyl	*144*	*S1+*	*70 - 130*	*03/09/23 17:23*	*03/12/23 21:09*	*1*

Lab Sample ID: LCS 880-48262/2-A
Matrix: Solid
Analysis Batch: 48410

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48262

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	970.1		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1107		mg/Kg		111	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*89*		*70 - 130*
o-Terphenyl	*82*		*70 - 130*

Lab Sample ID: LCSD 880-48262/3-A
Matrix: Solid
Analysis Batch: 48410

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48262

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	963.0		mg/Kg		96	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1064		mg/Kg		106	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*101*		*70 - 130*
o-Terphenyl	*94*		*70 - 130*

QC Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-48322/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 48386 **Prep Batch: 48322**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	17.22	J	50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 09:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 09:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 13:27	03/11/23 09:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*03/10/23 13:27*	*03/11/23 09:21*	*1*
o-Terphenyl	*129*		*70 - 130*	*03/10/23 13:27*	*03/11/23 09:21*	*1*

Lab Sample ID: LCS 880-48322/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 48386 **Prep Batch: 48322**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	873.6		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	1000	893.0		mg/Kg		89	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*106*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Lab Sample ID: LCSD 880-48322/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 48386 **Prep Batch: 48322**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	946.7		mg/Kg		95	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	1000	946.7		mg/Kg		95	70 - 130	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*108*		*70 - 130*
o-Terphenyl	*105*		*70 - 130*

Lab Sample ID: MB 880-48343/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 48388 **Prep Batch: 48343**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	24.40	J	50.0	15.0	mg/Kg		03/10/23 15:45	03/11/23 20:49	1
Diesel Range Organics (Over C10-C28)	24.22	J	50.0	15.0	mg/Kg		03/10/23 15:45	03/11/23 20:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:45	03/11/23 20:49	1

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-48343/1-A
Matrix: Solid
Analysis Batch: 48388

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48343

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130	03/10/23 15:45	03/11/23 20:49	1
o-Terphenyl	163	S1+	70 - 130	03/10/23 15:45	03/11/23 20:49	1

Lab Sample ID: LCS 880-48343/2-A
Matrix: Solid
Analysis Batch: 48388

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48343

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	965.1		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1061		mg/Kg		106	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	115		70 - 130

Lab Sample ID: LCSD 880-48343/3-A
Matrix: Solid
Analysis Batch: 48388

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48343

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	976.7		mg/Kg		98	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	992.7		mg/Kg		99	70 - 130	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	106		70 - 130

Lab Sample ID: MB 880-48345/1-A
Matrix: Solid
Analysis Batch: 48410

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48345

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	19.81	J	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 09:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 09:26	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:48	03/12/23 09:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	03/10/23 15:48	03/12/23 09:26	1
o-Terphenyl	129		70 - 130	03/10/23 15:48	03/12/23 09:26	1

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-48345/2-A
Matrix: Solid
Analysis Batch: 48410

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48345

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	509.2	*-	mg/Kg		51	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	767.2		mg/Kg		77	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*81*		*70 - 130*
o-Terphenyl	*84*		*70 - 130*

Lab Sample ID: LCSD 880-48345/3-A
Matrix: Solid
Analysis Batch: 48410

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48345

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	485.0	*-	mg/Kg		49	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	798.6		mg/Kg		80	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*90*		*70 - 130*
o-Terphenyl	*88*		*70 - 130*

Lab Sample ID: 880-25768-27 MS
Matrix: Solid
Analysis Batch: 48410

Client Sample ID: B-44-S-1'-20230309
Prep Type: Total/NA
Prep Batch: 48345

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	20.3	J B *-	998	860.1		mg/Kg		84	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	998	855.6		mg/Kg		86	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*92*		*70 - 130*

Lab Sample ID: 880-25768-27 MSD
Matrix: Solid
Analysis Batch: 48410

Client Sample ID: B-44-S-1'-20230309
Prep Type: Total/NA
Prep Batch: 48345

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	20.3	J B *-	999	869.8		mg/Kg		85	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	803.4		mg/Kg		80	70 - 130	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*99*		*70 - 130*

QC Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-25768-27 MSD **Client Sample ID: B-44-S-1'-20230309**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 48410 **Prep Batch: 48345**

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	88		70 - 130

Lab Sample ID: MB 880-48346/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 48412 **Prep Batch: 48346**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 09:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 09:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/23 15:51	03/12/23 09:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	03/10/23 15:51	03/12/23 09:26	1
o-Terphenyl	157	S1+	70 - 130	03/10/23 15:51	03/12/23 09:26	1

Lab Sample ID: LCS 880-48346/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 48412 **Prep Batch: 48346**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1012		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	1000	873.2		mg/Kg		87	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	81		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: LCSD 880-48346/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 48412 **Prep Batch: 48346**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1056		mg/Kg		106	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	944.8		mg/Kg		94	70 - 130	8	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	110		70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-25768-7 MS **Client Sample ID: B-24-S-1'-20230309**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 48412 **Prep Batch: 48346**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	17.7	J F2	998	1169		mg/Kg		115	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F2	998	1220		mg/Kg		122	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*120*		*70 - 130*
o-Terphenyl	*140*	*S1+*	*70 - 130*

Lab Sample ID: 880-25768-7 MSD **Client Sample ID: B-24-S-1'-20230309**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 48412 **Prep Batch: 48346**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	17.7	J F2	999	886.6	F2	mg/Kg		87	70 - 130	27	20
Diesel Range Organics (Over C10-C28)	<49.9	U F2	999	984.3	F2	mg/Kg		99	70 - 130	21	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*116*		*70 - 130*

Lab Sample ID: MB 880-48780/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 48705 **Prep Batch: 48780**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		03/16/23 14:57	03/16/23 20:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/16/23 14:57	03/16/23 20:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/16/23 14:57	03/16/23 20:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*03/16/23 14:57*	*03/16/23 20:06*	*1*
o-Terphenyl	*129*		*70 - 130*	*03/16/23 14:57*	*03/16/23 20:06*	*1*

Lab Sample ID: LCS 880-48780/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 48705 **Prep Batch: 48780**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1129		mg/Kg		113	70 - 130
Diesel Range Organics (Over C10-C28)	1000	926.8		mg/Kg		93	70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-48780/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 48705 **Prep Batch: 48780**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	123		70 - 130

Lab Sample ID: LCSD 880-48780/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 48705 **Prep Batch: 48780**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1090		mg/Kg		109	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	902.1		mg/Kg		90	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	120		70 - 130

Lab Sample ID: MB 880-49012/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 49067 **Prep Batch: 49012**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	16.51	J	50.0	15.0	mg/Kg		03/20/23 13:48	03/21/23 08:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/20/23 13:48	03/21/23 08:28	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/20/23 13:48	03/21/23 08:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	03/20/23 13:48	03/21/23 08:28	1
o-Terphenyl	133	S1+	70 - 130	03/20/23 13:48	03/21/23 08:28	1

Lab Sample ID: LCS 880-49012/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 49067 **Prep Batch: 49012**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	857.2		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)			1000	846.3		mg/Kg		85	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	99		70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-49012/3-A
Matrix: Solid
Analysis Batch: 49067

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 49012

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	840.2		mg/Kg		84	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	962.9		mg/Kg		96	70 - 130	13	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*101*		*70 - 130*
o-Terphenyl	*112*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-45234/1-A
Matrix: Solid
Analysis Batch: 45416

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/03/23 15:13	1

Lab Sample ID: LCS 880-45234/2-A
Matrix: Solid
Analysis Batch: 45416

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	256.4		mg/Kg		103	90 - 110		

Lab Sample ID: LCSD 880-45234/3-A
Matrix: Solid
Analysis Batch: 45416

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	257.3		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 890-4002-1 MS
Matrix: Solid
Analysis Batch: 45416

Client Sample ID: L-11-5-0-6' 20230131
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	17.2		250	273.6		mg/Kg		103	90 - 110		

Lab Sample ID: 890-4002-1 MSD
Matrix: Solid
Analysis Batch: 45416

Client Sample ID: L-11-5-0-6' 20230131
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	17.2		250	273.6		mg/Kg		103	90 - 110	0	20

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-4002-11 MS
Matrix: Solid
Analysis Batch: 45416

Client Sample ID: L-21-5-0-6' 20230131
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<4.99	U	250	262.2		mg/Kg		104	90 - 110

Lab Sample ID: 890-4002-11 MSD
Matrix: Solid
Analysis Batch: 45416

Client Sample ID: L-21-5-0-6' 20230131
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<4.99	U	250	262.1		mg/Kg		104	90 - 110	0	20

Lab Sample ID: MB 880-45276/1-A
Matrix: Solid
Analysis Batch: 45421

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/03/23 19:19	1

Lab Sample ID: LCS 880-45276/2-A
Matrix: Solid
Analysis Batch: 45421

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	273.0		mg/Kg		109	90 - 110

Lab Sample ID: LCSD 880-45276/3-A
Matrix: Solid
Analysis Batch: 45421

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	261.5		mg/Kg		105	90 - 110	4	20

Lab Sample ID: MB 880-48303/1-A
Matrix: Solid
Analysis Batch: 48311

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.395	mg/Kg			03/10/23 11:32	1

Lab Sample ID: LCS 880-48303/2-A
Matrix: Solid
Analysis Batch: 48311

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	267.8		mg/Kg		107	90 - 110

Lab Sample ID: LCSD 880-48303/3-A
Matrix: Solid
Analysis Batch: 48311

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	267.1		mg/Kg		107	90 - 110	0	20

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-4261-1 MS
Matrix: Solid
Analysis Batch: 48311

Client Sample ID: SW-1-S-0-2'- 20230307
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	85.5	F1	248	388.1	F1	mg/Kg		122	90 - 110

Lab Sample ID: 890-4261-1 MSD
Matrix: Solid
Analysis Batch: 48311

Client Sample ID: SW-1-S-0-2'- 20230307
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	85.5	F1	248	387.8	F1	mg/Kg		122	90 - 110	0	20

Lab Sample ID: 890-4261-11 MS
Matrix: Solid
Analysis Batch: 48311

Client Sample ID: B-8-S-1'-2-20230307
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1160		250	1360	4	mg/Kg		80	90 - 110

Lab Sample ID: 890-4261-11 MSD
Matrix: Solid
Analysis Batch: 48311

Client Sample ID: B-8-S-1'-2-20230307
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1160		250	1358	4	mg/Kg		79	90 - 110	0	20

Lab Sample ID: MB 880-48304/1-A
Matrix: Solid
Analysis Batch: 48312

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.395	mg/Kg			03/10/23 14:35	1

Lab Sample ID: LCS 880-48304/2-A
Matrix: Solid
Analysis Batch: 48312

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	272.6		mg/Kg		109	90 - 110

Lab Sample ID: LCSD 880-48304/3-A
Matrix: Solid
Analysis Batch: 48312

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	271.3		mg/Kg		109	90 - 110	1	20

Lab Sample ID: 890-4261-21 MS
Matrix: Solid
Analysis Batch: 48312

Client Sample ID: B-18-S-1'-20230307
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1320	F1	1260	2525		mg/Kg		96	90 - 110

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-4261-21 MSD — **Client Sample ID: B-18-S-1'-20230307**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 48312

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1320	F1	1260	2995	F1	mg/Kg		133	90 - 110	17	20

Lab Sample ID: MB 880-48313/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 48324

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.039	J	5.00	0.395	mg/Kg			03/10/23 16:55	1

Lab Sample ID: LCS 880-48313/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 48324

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	272.8		mg/Kg		109	90 - 110

Lab Sample ID: LCSD 880-48313/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 48324

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	273.8		mg/Kg		110	90 - 110	0	20

Lab Sample ID: 880-25768-1 MS — **Client Sample ID: SW-4-S-0-1'-20230309**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 48324

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	68.7	B F1	249	345.7	F1	mg/Kg		111	90 - 110

Lab Sample ID: 880-25768-1 MSD — **Client Sample ID: SW-4-S-0-1'-20230309**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 48324

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	68.7	B F1	249	346.1	F1	mg/Kg		112	90 - 110	0	20

Lab Sample ID: 880-25768-11 MS — **Client Sample ID: B-28-S-1'-20230309**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 48324

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	133	B F1	250	330.4	F1	mg/Kg		79	90 - 110

Lab Sample ID: 880-25768-11 MSD — **Client Sample ID: B-28-S-1'-20230309**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 48324

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	133	B F1	250	330.5	F1	mg/Kg		79	90 - 110	0	20

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-48314/1-A
Matrix: Solid
Analysis Batch: 48325

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.840	J	5.00	0.395	mg/Kg			03/10/23 23:57	1

Lab Sample ID: LCS 880-48314/2-A
Matrix: Solid
Analysis Batch: 48325

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	273.6		mg/Kg		109	90 - 110

Lab Sample ID: LCSD 880-48314/3-A
Matrix: Solid
Analysis Batch: 48325

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	274.0		mg/Kg		110	90 - 110	0	20

Lab Sample ID: 880-25768-21 MS
Matrix: Solid
Analysis Batch: 48325

Client Sample ID: B-38-S-1'-20230309
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1620	B F1	1260	3161	F1	mg/Kg		122	90 - 110

Lab Sample ID: 880-25768-21 MSD
Matrix: Solid
Analysis Batch: 48325

Client Sample ID: B-38-S-1'-20230309
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1620	B F1	1260	3164	F1	mg/Kg		123	90 - 110	0	20

Lab Sample ID: 880-25768-31 MS
Matrix: Solid
Analysis Batch: 48325

Client Sample ID: B-48-S-1'-20230309
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	755	B	248	1003		mg/Kg		100	90 - 110

Lab Sample ID: 880-25768-31 MSD
Matrix: Solid
Analysis Batch: 48325

Client Sample ID: B-48-S-1'-20230309
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	755	B	248	1002		mg/Kg		100	90 - 110	0	20

Lab Sample ID: MB 880-48288/1-A
Matrix: Solid
Analysis Batch: 48327

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.395	mg/Kg			03/11/23 13:16	1

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-48288/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 48327

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	269.0		mg/Kg		108	90 - 110		

Lab Sample ID: LCSD 880-48288/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 48327

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	269.6		mg/Kg		108	90 - 110	0	20

Lab Sample ID: 880-25768-42 MS — **Client Sample ID: B-59-S-1'-20230309**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 48327

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	699		251	931.2		mg/Kg		92	90 - 110		

Lab Sample ID: 880-25768-42 MSD — **Client Sample ID: B-59-S-1'-20230309**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 48327

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	699		251	930.8		mg/Kg		92	90 - 110	0	20

Lab Sample ID: MB 880-48646/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 48693

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.395	mg/Kg			03/17/23 04:39	1

Lab Sample ID: LCS 880-48646/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 48693

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	274.9		mg/Kg		110	90 - 110		

Lab Sample ID: LCSD 880-48646/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 48693

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	273.6		mg/Kg		109	90 - 110	1	20

Lab Sample ID: MB 880-49103/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 49141

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.395	mg/Kg			03/21/23 13:05	1

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-49103/2-A
Matrix: Solid
Analysis Batch: 49141

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	238.0		mg/Kg		95	90 - 110		

Lab Sample ID: LCSD 880-49103/3-A
Matrix: Solid
Analysis Batch: 49141

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	239.2		mg/Kg		96	90 - 110	1	20

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

GC VOA

Prep Batch: 48192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-21	B-18-S-1'-20230307	Total/NA	Solid	5030B	
890-4261-22	B-19-S-1'-20230307	Total/NA	Solid	5030B	
890-4261-23	B-20-S-1'-20230307	Total/NA	Solid	5030B	
890-4261-24	B-21-S-1'-20230307	Total/NA	Solid	5030B	
MB 880-48192/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-48192/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-48192/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Prep Batch: 48199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-4	B-1-S-2'-2-20230307	Total/NA	Solid	5030B	
890-4261-5	B-2-S-2'-2-20230307	Total/NA	Solid	5030B	
890-4261-6	B-3-S-2'-2-20230307	Total/NA	Solid	5030B	
890-4261-7	B-4-S-2'-2-20230307	Total/NA	Solid	5030B	
890-4261-8	B-5-S-1'-2-2-20230307	Total/NA	Solid	5030B	
890-4261-9	B-6-S-1'-2'-2-20230307	Total/NA	Solid	5030B	
MB 880-48199/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-48199/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-48199/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Analysis Batch: 48285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-4	B-1-S-2'-2-20230307	Total/NA	Solid	8021B	48199
890-4261-5	B-2-S-2'-2-20230307	Total/NA	Solid	8021B	48199
890-4261-6	B-3-S-2'-2-20230307	Total/NA	Solid	8021B	48199
890-4261-7	B-4-S-2'-2-20230307	Total/NA	Solid	8021B	48199
890-4261-8	B-5-S-1'-2-2-20230307	Total/NA	Solid	8021B	48199
890-4261-9	B-6-S-1'-2'-2-20230307	Total/NA	Solid	8021B	48199
MB 880-48199/5-A	Method Blank	Total/NA	Solid	8021B	48199
LCS 880-48199/1-A	Lab Control Sample	Total/NA	Solid	8021B	48199
LCSD 880-48199/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48199

Prep Batch: 48309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-1	SW-1-S-0-2'- 20230307	Total/NA	Solid	5030B	
890-4261-2	SW-2-S-0-2'- 20230307	Total/NA	Solid	5030B	
890-4261-3	SW-3-S-0-2'- 20230307	Total/NA	Solid	5030B	
890-4261-10	B-7-S-1'-2-20230307	Total/NA	Solid	5030B	
890-4261-11	B-8-S-1'-2-20230307	Total/NA	Solid	5030B	
890-4261-12	B-9-S-1'-2-20230307	Total/NA	Solid	5030B	
890-4261-13	B-10-S-1'-20230307	Total/NA	Solid	5030B	
890-4261-14	B-11-S-1'-20230307	Total/NA	Solid	5030B	
890-4261-15	B-12-S-1'-20230307	Total/NA	Solid	5030B	
890-4261-16	B-13-S-1'-20230307	Total/NA	Solid	5030B	
890-4261-17	B-14-S-1'-20230307	Total/NA	Solid	5030B	
890-4261-18	B-15-S-1'-20230307	Total/NA	Solid	5030B	
890-4261-19	B-16-S-1'-20230307	Total/NA	Solid	5030B	
890-4261-20	B-17-S-1'-20230307	Total/NA	Solid	5030B	
MB 880-48309/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-48309/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-48309/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

GC VOA (Continued)

Prep Batch: 48309 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-1 MS	SW-1-S-0-2'- 20230307	Total/NA	Solid	5030B	
890-4261-1 MSD	SW-1-S-0-2'- 20230307	Total/NA	Solid	5030B	

Analysis Batch: 48323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-1	SW-1-S-0-2'- 20230307	Total/NA	Solid	8021B	48309
890-4261-2	SW-2-S-0-2'- 20230307	Total/NA	Solid	8021B	48309
890-4261-3	SW-3-S-0-2'- 20230307	Total/NA	Solid	8021B	48309
890-4261-10	B-7-S-1'-2-20230307	Total/NA	Solid	8021B	48309
890-4261-11	B-8-S-1'-2-20230307	Total/NA	Solid	8021B	48309
890-4261-12	B-9-S-1'-2-20230307	Total/NA	Solid	8021B	48309
890-4261-13	B-10-S-1'-20230307	Total/NA	Solid	8021B	48309
890-4261-14	B-11-S-1'-20230307	Total/NA	Solid	8021B	48309
890-4261-15	B-12-S-1'-20230307	Total/NA	Solid	8021B	48309
890-4261-16	B-13-S-1'-20230307	Total/NA	Solid	8021B	48309
890-4261-17	B-14-S-1'-20230307	Total/NA	Solid	8021B	48309
890-4261-18	B-15-S-1'-20230307	Total/NA	Solid	8021B	48309
890-4261-19	B-16-S-1'-20230307	Total/NA	Solid	8021B	48309
890-4261-20	B-17-S-1'-20230307	Total/NA	Solid	8021B	48309
MB 880-48309/5-A	Method Blank	Total/NA	Solid	8021B	48309
LCS 880-48309/1-A	Lab Control Sample	Total/NA	Solid	8021B	48309
LCSD 880-48309/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48309
890-4261-1 MS	SW-1-S-0-2'- 20230307	Total/NA	Solid	8021B	48309
890-4261-1 MSD	SW-1-S-0-2'- 20230307	Total/NA	Solid	8021B	48309

Analysis Batch: 48364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-1	SW-1-S-0-2'- 20230307	Total/NA	Solid	Total BTEX	
890-4261-2	SW-2-S-0-2'- 20230307	Total/NA	Solid	Total BTEX	
890-4261-3	SW-3-S-0-2'- 20230307	Total/NA	Solid	Total BTEX	
890-4261-4	B-1-S-2'-2-20230307	Total/NA	Solid	Total BTEX	
890-4261-5	B-2-S-2'-2-20230307	Total/NA	Solid	Total BTEX	
890-4261-6	B-3-S-2'-2-20230307	Total/NA	Solid	Total BTEX	
890-4261-7	B-4-S-2'-2-20230307	Total/NA	Solid	Total BTEX	
890-4261-8	B-5-S-1'-2-2-20230307	Total/NA	Solid	Total BTEX	
890-4261-9	B-6-S-1'-2'-2-20230307	Total/NA	Solid	Total BTEX	
890-4261-10	B-7-S-1'-2-20230307	Total/NA	Solid	Total BTEX	
890-4261-11	B-8-S-1'-2-20230307	Total/NA	Solid	Total BTEX	
890-4261-12	B-9-S-1'-2-20230307	Total/NA	Solid	Total BTEX	
890-4261-13	B-10-S-1'-20230307	Total/NA	Solid	Total BTEX	
890-4261-14	B-11-S-1'-20230307	Total/NA	Solid	Total BTEX	
890-4261-15	B-12-S-1'-20230307	Total/NA	Solid	Total BTEX	
890-4261-16	B-13-S-1'-20230307	Total/NA	Solid	Total BTEX	
890-4261-17	B-14-S-1'-20230307	Total/NA	Solid	Total BTEX	
890-4261-18	B-15-S-1'-20230307	Total/NA	Solid	Total BTEX	
890-4261-19	B-16-S-1'-20230307	Total/NA	Solid	Total BTEX	
890-4261-20	B-17-S-1'-20230307	Total/NA	Solid	Total BTEX	
890-4261-21	B-18-S-1'-20230307	Total/NA	Solid	Total BTEX	
890-4261-22	B-19-S-1'-20230307	Total/NA	Solid	Total BTEX	
890-4261-23	B-20-S-1'-20230307	Total/NA	Solid	Total BTEX	
890-4261-24	B-21-S-1'-20230307	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

GC VOA

Analysis Batch: 48425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-21	B-18-S-1'-20230307	Total/NA	Solid	8021B	48192
890-4261-22	B-19-S-1'-20230307	Total/NA	Solid	8021B	48192
890-4261-23	B-20-S-1'-20230307	Total/NA	Solid	8021B	48192
890-4261-24	B-21-S-1'-20230307	Total/NA	Solid	8021B	48192
MB 880-48192/5-A	Method Blank	Total/NA	Solid	8021B	48192
LCS 880-48192/1-A	Lab Control Sample	Total/NA	Solid	8021B	48192
LCSD 880-48192/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48192

Analysis Batch: 48707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25966-1	SW-3B-S-0-1'-20230314	Total/NA	Solid	8021B	48712
MB 880-48712/5-A	Method Blank	Total/NA	Solid	8021B	48712
LCS 880-48712/1-A	Lab Control Sample	Total/NA	Solid	8021B	48712
LCSD 880-48712/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48712

Prep Batch: 48712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25966-1	SW-3B-S-0-1'-20230314	Total/NA	Solid	5030B	
MB 880-48712/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-48712/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-48712/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Prep Batch: 48843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-1	SW-4-S-0-1'-20230309	Total/NA	Solid	5030B	
880-25768-2	SW-5-S-0-1'-20230309	Total/NA	Solid	5030B	
880-25768-3	SW-6-S-0-1'-20230309	Total/NA	Solid	5030B	
880-25768-4	SW-7-S-0-1'-20230309	Total/NA	Solid	5030B	
880-25768-5	B-22-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-6	B-23-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-7	B-24-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-8	B-25-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-9	B-26-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-10	B-27-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-11	B-28-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-12	B-29-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-13	B-30-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-14	B-31-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-15	B-32-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-16	B-33-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-17	B-34-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-18	B-35-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-19	B-36-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-20	B-37-S-1'-20230309	Total/NA	Solid	5030B	
MB 880-48843/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-48843/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-48843/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
880-25768-1 MS	SW-4-S-0-1'-20230309	Total/NA	Solid	5030B	
880-25768-1 MSD	SW-4-S-0-1'-20230309	Total/NA	Solid	5030B	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

GC VOA

Prep Batch: 48844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-21	B-38-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-22	B-39-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-23	B-40-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-24	B-41-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-25	B-42-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-26	B-43-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-27	B-44-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-28	B-45-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-29	B-46-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-30	B-47-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-31	B-48-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-32	B-49-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-33	B-50-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-34	B-51-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-35	B-52-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-36	B-53-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-37	B-54-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-38	B-55-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-39	B-56-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-40	B-57-S-1'-20230309	Total/NA	Solid	5030B	
MB 880-48844/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-48844/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-48844/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
880-25768-21 MS	B-38-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-21 MSD	B-38-S-1'-20230309	Total/NA	Solid	5030B	

Analysis Batch: 48882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-1	SW-4-S-0-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-2	SW-5-S-0-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-3	SW-6-S-0-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-4	SW-7-S-0-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-5	B-22-S-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-6	B-23-S-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-7	B-24-S-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-8	B-25-S-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-9	B-26-S-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-10	B-27-S-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-11	B-28-S-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-12	B-29-S-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-13	B-30-S-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-14	B-31-S-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-15	B-32-S-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-16	B-33-S-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-17	B-34-S-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-18	B-35-S-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-19	B-36-S-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-20	B-37-S-1'-20230309	Total/NA	Solid	8021B	48843
MB 880-48843/5-A	Method Blank	Total/NA	Solid	8021B	48843
LCS 880-48843/1-A	Lab Control Sample	Total/NA	Solid	8021B	48843
LCSD 880-48843/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48843

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

GC VOA (Continued)

Analysis Batch: 48882 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-1 MS	SW-4-S-0-1'-20230309	Total/NA	Solid	8021B	48843
880-25768-1 MSD	SW-4-S-0-1'-20230309	Total/NA	Solid	8021B	48843

Analysis Batch: 48914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-21	B-38-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-22	B-39-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-23	B-40-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-24	B-41-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-25	B-42-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-26	B-43-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-27	B-44-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-28	B-45-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-29	B-46-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-30	B-47-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-31	B-48-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-32	B-49-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-33	B-50-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-34	B-51-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-35	B-52-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-36	B-53-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-37	B-54-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-38	B-55-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-39	B-56-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-40	B-57-S-1'-20230309	Total/NA	Solid	8021B	48844
MB 880-48844/5-A	Method Blank	Total/NA	Solid	8021B	48844
LCS 880-48844/1-A	Lab Control Sample	Total/NA	Solid	8021B	48844
LCSD 880-48844/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48844
880-25768-21 MS	B-38-S-1'-20230309	Total/NA	Solid	8021B	48844
880-25768-21 MSD	B-38-S-1'-20230309	Total/NA	Solid	8021B	48844

Analysis Batch: 48930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-1	SW-4-S-0-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-2	SW-5-S-0-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-3	SW-6-S-0-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-4	SW-7-S-0-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-5	B-22-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-6	B-23-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-7	B-24-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-8	B-25-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-9	B-26-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-10	B-27-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-11	B-28-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-12	B-29-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-13	B-30-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-14	B-31-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-15	B-32-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-16	B-33-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-17	B-34-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-18	B-35-S-1'-20230309	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

GC VOA (Continued)

Analysis Batch: 48930 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-19	B-36-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-20	B-37-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-21	B-38-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-22	B-39-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-23	B-40-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-24	B-41-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-25	B-42-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-26	B-43-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-27	B-44-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-28	B-45-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-29	B-46-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-30	B-47-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-31	B-48-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-32	B-49-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-33	B-50-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-34	B-51-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-35	B-52-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-36	B-53-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-37	B-54-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-38	B-55-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-39	B-56-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-40	B-57-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-41	B-58-S-1'-20230309	Total/NA	Solid	Total BTEX	
880-25768-42	B-59-S-1'-20230309	Total/NA	Solid	Total BTEX	

Analysis Batch: 48949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-41	B-58-S-1'-20230309	Total/NA	Solid	8021B	48951
880-25768-42	B-59-S-1'-20230309	Total/NA	Solid	8021B	48951
MB 880-48951/5-A	Method Blank	Total/NA	Solid	8021B	48951
LCS 880-48951/1-A	Lab Control Sample	Total/NA	Solid	8021B	48951
LCSD 880-48951/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48951

Prep Batch: 48951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-41	B-58-S-1'-20230309	Total/NA	Solid	5030B	
880-25768-42	B-59-S-1'-20230309	Total/NA	Solid	5030B	
MB 880-48951/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-48951/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-48951/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Analysis Batch: 48997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25966-1	SW-3B-S-0-1'-20230314	Total/NA	Solid	Total BTEX	

Analysis Batch: 49077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26151-1	SW-1B-S-0-2'-20230320	Total/NA	Solid	8021B	49091
MB 880-49091/5-A	Method Blank	Total/NA	Solid	8021B	49091
LCS 880-49091/1-A	Lab Control Sample	Total/NA	Solid	8021B	49091
LCSD 880-49091/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	49091

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

GC VOA

Prep Batch: 49091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26151-1	SW-1B-S-0-2'-20230320	Total/NA	Solid	5030B	
MB 880-49091/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-49091/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-49091/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Analysis Batch: 49148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26151-1	SW-1B-S-0-2'-20230320	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 48252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-4	B-1-S-2'-2-20230307	Total/NA	Solid	8015NM Prep	
890-4261-5	B-2-S-2'-2-20230307	Total/NA	Solid	8015NM Prep	
890-4261-6	B-3-S-2'-2-20230307	Total/NA	Solid	8015NM Prep	
890-4261-7	B-4-S-2'-2-20230307	Total/NA	Solid	8015NM Prep	
890-4261-8	B-5-S-1'-2-2-20230307	Total/NA	Solid	8015NM Prep	
890-4261-9	B-6-S-1'-2'-2-20230307	Total/NA	Solid	8015NM Prep	
MB 880-48252/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48252/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48252/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 48262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-17	B-14-S-1'-20230307	Total/NA	Solid	8015NM Prep	
890-4261-18	B-15-S-1'-20230307	Total/NA	Solid	8015NM Prep	
890-4261-19	B-16-S-1'-20230307	Total/NA	Solid	8015NM Prep	
890-4261-20	B-17-S-1'-20230307	Total/NA	Solid	8015NM Prep	
MB 880-48262/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48262/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48262/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 48274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-4	B-1-S-2'-2-20230307	Total/NA	Solid	8015B NM	48252
890-4261-5	B-2-S-2'-2-20230307	Total/NA	Solid	8015B NM	48252
890-4261-6	B-3-S-2'-2-20230307	Total/NA	Solid	8015B NM	48252
890-4261-7	B-4-S-2'-2-20230307	Total/NA	Solid	8015B NM	48252
890-4261-8	B-5-S-1'-2-2-20230307	Total/NA	Solid	8015B NM	48252
890-4261-9	B-6-S-1'-2'-2-20230307	Total/NA	Solid	8015B NM	48252
MB 880-48252/1-A	Method Blank	Total/NA	Solid	8015B NM	48252
LCS 880-48252/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48252
LCSD 880-48252/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48252

Prep Batch: 48322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-1	SW-1-S-0-2'- 20230307	Total/NA	Solid	8015NM Prep	
890-4261-2	SW-2-S-0-2'- 20230307	Total/NA	Solid	8015NM Prep	
890-4261-3	SW-3-S-0-2'- 20230307	Total/NA	Solid	8015NM Prep	
890-4261-10	B-7-S-1'-2-20230307	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

GC Semi VOA (Continued)

Prep Batch: 48322 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-11	B-8-S-1'-2-20230307	Total/NA	Solid	8015NM Prep	
890-4261-12	B-9-S-1'-2-20230307	Total/NA	Solid	8015NM Prep	
890-4261-13	B-10-S-1'-20230307	Total/NA	Solid	8015NM Prep	
890-4261-14	B-11-S-1'-20230307	Total/NA	Solid	8015NM Prep	
890-4261-15	B-12-S-1'-20230307	Total/NA	Solid	8015NM Prep	
890-4261-16	B-13-S-1'-20230307	Total/NA	Solid	8015NM Prep	
890-4261-21	B-18-S-1'-20230307	Total/NA	Solid	8015NM Prep	
890-4261-22	B-19-S-1'-20230307	Total/NA	Solid	8015NM Prep	
890-4261-23	B-20-S-1'-20230307	Total/NA	Solid	8015NM Prep	
890-4261-24	B-21-S-1'-20230307	Total/NA	Solid	8015NM Prep	
MB 880-48322/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48322/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48322/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 48343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-1	SW-4-S-0-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-2	SW-5-S-0-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-3	SW-6-S-0-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-4	SW-7-S-0-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-5	B-22-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-6	B-23-S-1'-20230309	Total/NA	Solid	8015NM Prep	
MB 880-48343/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48343/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48343/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 48345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-27	B-44-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-28	B-45-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-29	B-46-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-30	B-47-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-31	B-48-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-32	B-49-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-33	B-50-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-34	B-51-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-35	B-52-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-36	B-53-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-37	B-54-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-38	B-55-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-39	B-56-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-40	B-57-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-41	B-58-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-42	B-59-S-1'-20230309	Total/NA	Solid	8015NM Prep	
MB 880-48345/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48345/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48345/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25768-27 MS	B-44-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-27 MSD	B-44-S-1'-20230309	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

GC Semi VOA

Prep Batch: 48346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-7	B-24-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-8	B-25-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-9	B-26-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-10	B-27-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-11	B-28-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-12	B-29-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-13	B-30-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-14	B-31-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-15	B-32-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-16	B-33-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-17	B-34-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-18	B-35-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-19	B-36-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-20	B-37-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-21	B-38-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-22	B-39-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-23	B-40-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-24	B-41-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-25	B-42-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-26	B-43-S-1'-20230309	Total/NA	Solid	8015NM Prep	
MB 880-48346/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48346/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48346/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25768-7 MS	B-24-S-1'-20230309	Total/NA	Solid	8015NM Prep	
880-25768-7 MSD	B-24-S-1'-20230309	Total/NA	Solid	8015NM Prep	

Analysis Batch: 48386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-1	SW-1-S-0-2'- 20230307	Total/NA	Solid	8015B NM	48322
890-4261-2	SW-2-S-0-2'- 20230307	Total/NA	Solid	8015B NM	48322
890-4261-3	SW-3-S-0-2'- 20230307	Total/NA	Solid	8015B NM	48322
890-4261-10	B-7-S-1'-2-20230307	Total/NA	Solid	8015B NM	48322
890-4261-11	B-8-S-1'-2-20230307	Total/NA	Solid	8015B NM	48322
890-4261-12	B-9-S-1'-2-20230307	Total/NA	Solid	8015B NM	48322
890-4261-13	B-10-S-1'-20230307	Total/NA	Solid	8015B NM	48322
890-4261-14	B-11-S-1'-20230307	Total/NA	Solid	8015B NM	48322
890-4261-15	B-12-S-1'-20230307	Total/NA	Solid	8015B NM	48322
890-4261-16	B-13-S-1'-20230307	Total/NA	Solid	8015B NM	48322
890-4261-21	B-18-S-1'-20230307	Total/NA	Solid	8015B NM	48322
890-4261-22	B-19-S-1'-20230307	Total/NA	Solid	8015B NM	48322
890-4261-23	B-20-S-1'-20230307	Total/NA	Solid	8015B NM	48322
890-4261-24	B-21-S-1'-20230307	Total/NA	Solid	8015B NM	48322
MB 880-48322/1-A	Method Blank	Total/NA	Solid	8015B NM	48322
LCS 880-48322/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48322
LCSD 880-48322/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48322

Analysis Batch: 48388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-1	SW-4-S-0-1'-20230309	Total/NA	Solid	8015B NM	48343
880-25768-2	SW-5-S-0-1'-20230309	Total/NA	Solid	8015B NM	48343
880-25768-3	SW-6-S-0-1'-20230309	Total/NA	Solid	8015B NM	48343

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

GC Semi VOA (Continued)

Analysis Batch: 48388 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-4	SW-7-S-0-1'-20230309	Total/NA	Solid	8015B NM	48343
880-25768-5	B-22-S-1'-20230309	Total/NA	Solid	8015B NM	48343
880-25768-6	B-23-S-1'-20230309	Total/NA	Solid	8015B NM	48343
MB 880-48343/1-A	Method Blank	Total/NA	Solid	8015B NM	48343
LCS 880-48343/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48343
LCSD 880-48343/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48343

Analysis Batch: 48410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-27	B-44-S-1'-20230309	Total/NA	Solid	8015B NM	48345
880-25768-28	B-45-S-1'-20230309	Total/NA	Solid	8015B NM	48345
880-25768-29	B-46-S-1'-20230309	Total/NA	Solid	8015B NM	48345
880-25768-30	B-47-S-1'-20230309	Total/NA	Solid	8015B NM	48345
880-25768-31	B-48-S-1'-20230309	Total/NA	Solid	8015B NM	48345
880-25768-32	B-49-S-1'-20230309	Total/NA	Solid	8015B NM	48345
880-25768-33	B-50-S-1'-20230309	Total/NA	Solid	8015B NM	48345
880-25768-34	B-51-S-1'-20230309	Total/NA	Solid	8015B NM	48345
880-25768-35	B-52-S-1'-20230309	Total/NA	Solid	8015B NM	48345
880-25768-36	B-53-S-1'-20230309	Total/NA	Solid	8015B NM	48345
880-25768-37	B-54-S-1'-20230309	Total/NA	Solid	8015B NM	48345
880-25768-38	B-55-S-1'-20230309	Total/NA	Solid	8015B NM	48345
880-25768-39	B-56-S-1'-20230309	Total/NA	Solid	8015B NM	48345
880-25768-40	B-57-S-1'-20230309	Total/NA	Solid	8015B NM	48345
880-25768-41	B-58-S-1'-20230309	Total/NA	Solid	8015B NM	48345
880-25768-42	B-59-S-1'-20230309	Total/NA	Solid	8015B NM	48345
890-4261-17	B-14-S-1'-20230307	Total/NA	Solid	8015B NM	48262
890-4261-18	B-15-S-1'-20230307	Total/NA	Solid	8015B NM	48262
890-4261-19	B-16-S-1'-20230307	Total/NA	Solid	8015B NM	48262
890-4261-20	B-17-S-1'-20230307	Total/NA	Solid	8015B NM	48262
MB 880-48262/1-A	Method Blank	Total/NA	Solid	8015B NM	48262
MB 880-48345/1-A	Method Blank	Total/NA	Solid	8015B NM	48345
LCS 880-48262/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48262
LCS 880-48345/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48345
LCSD 880-48262/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48262
LCSD 880-48345/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48345
880-25768-27 MS	B-44-S-1'-20230309	Total/NA	Solid	8015B NM	48345
880-25768-27 MSD	B-44-S-1'-20230309	Total/NA	Solid	8015B NM	48345

Analysis Batch: 48412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-7	B-24-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-8	B-25-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-9	B-26-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-10	B-27-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-11	B-28-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-12	B-29-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-13	B-30-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-14	B-31-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-15	B-32-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-16	B-33-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-17	B-34-S-1'-20230309	Total/NA	Solid	8015B NM	48346

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

GC Semi VOA (Continued)

Analysis Batch: 48412 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-18	B-35-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-19	B-36-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-20	B-37-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-21	B-38-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-22	B-39-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-23	B-40-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-24	B-41-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-25	B-42-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-26	B-43-S-1'-20230309	Total/NA	Solid	8015B NM	48346
MB 880-48346/1-A	Method Blank	Total/NA	Solid	8015B NM	48346
LCS 880-48346/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48346
LCSD 880-48346/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48346
880-25768-7 MS	B-24-S-1'-20230309	Total/NA	Solid	8015B NM	48346
880-25768-7 MSD	B-24-S-1'-20230309	Total/NA	Solid	8015B NM	48346

Analysis Batch: 48525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-1	SW-1-S-0-2'- 20230307	Total/NA	Solid	8015 NM	
890-4261-2	SW-2-S-0-2'- 20230307	Total/NA	Solid	8015 NM	
890-4261-3	SW-3-S-0-2'- 20230307	Total/NA	Solid	8015 NM	
890-4261-4	B-1-S-2'-2-20230307	Total/NA	Solid	8015 NM	
890-4261-5	B-2-S-2'-2-20230307	Total/NA	Solid	8015 NM	
890-4261-6	B-3-S-2'-2-20230307	Total/NA	Solid	8015 NM	
890-4261-7	B-4-S-2'-2-20230307	Total/NA	Solid	8015 NM	
890-4261-8	B-5-S-1'-2-2-20230307	Total/NA	Solid	8015 NM	
890-4261-9	B-6-S-1'-2'-2-20230307	Total/NA	Solid	8015 NM	
890-4261-10	B-7-S-1'-2-20230307	Total/NA	Solid	8015 NM	
890-4261-11	B-8-S-1'-2-20230307	Total/NA	Solid	8015 NM	
890-4261-12	B-9-S-1'-2-20230307	Total/NA	Solid	8015 NM	
890-4261-13	B-10-S-1'-20230307	Total/NA	Solid	8015 NM	
890-4261-14	B-11-S-1'-20230307	Total/NA	Solid	8015 NM	
890-4261-15	B-12-S-1'-20230307	Total/NA	Solid	8015 NM	
890-4261-16	B-13-S-1'-20230307	Total/NA	Solid	8015 NM	
890-4261-17	B-14-S-1'-20230307	Total/NA	Solid	8015 NM	
890-4261-18	B-15-S-1'-20230307	Total/NA	Solid	8015 NM	
890-4261-19	B-16-S-1'-20230307	Total/NA	Solid	8015 NM	
890-4261-20	B-17-S-1'-20230307	Total/NA	Solid	8015 NM	
890-4261-21	B-18-S-1'-20230307	Total/NA	Solid	8015 NM	
890-4261-22	B-19-S-1'-20230307	Total/NA	Solid	8015 NM	
890-4261-23	B-20-S-1'-20230307	Total/NA	Solid	8015 NM	
890-4261-24	B-21-S-1'-20230307	Total/NA	Solid	8015 NM	

Analysis Batch: 48531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-1	SW-4-S-0-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-2	SW-5-S-0-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-3	SW-6-S-0-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-4	SW-7-S-0-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-5	B-22-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-6	B-23-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-7	B-24-S-1'-20230309	Total/NA	Solid	8015 NM	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

GC Semi VOA (Continued)

Analysis Batch: 48531 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-8	B-25-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-9	B-26-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-10	B-27-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-11	B-28-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-12	B-29-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-13	B-30-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-14	B-31-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-15	B-32-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-16	B-33-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-17	B-34-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-18	B-35-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-19	B-36-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-20	B-37-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-21	B-38-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-22	B-39-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-23	B-40-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-24	B-41-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-25	B-42-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-26	B-43-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-27	B-44-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-28	B-45-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-29	B-46-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-30	B-47-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-31	B-48-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-32	B-49-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-33	B-50-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-34	B-51-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-35	B-52-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-36	B-53-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-37	B-54-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-38	B-55-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-39	B-56-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-40	B-57-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-41	B-58-S-1'-20230309	Total/NA	Solid	8015 NM	
880-25768-42	B-59-S-1'-20230309	Total/NA	Solid	8015 NM	

Analysis Batch: 48705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25966-1	SW-3B-S-0-1'-20230314	Total/NA	Solid	8015B NM	48780
MB 880-48780/1-A	Method Blank	Total/NA	Solid	8015B NM	48780
LCS 880-48780/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48780
LCSD 880-48780/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48780

Prep Batch: 48780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25966-1	SW-3B-S-0-1'-20230314	Total/NA	Solid	8015NM Prep	
MB 880-48780/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48780/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48780/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

GC Semi VOA

Analysis Batch: 48852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25966-1	SW-3B-S-0-1'-20230314	Total/NA	Solid	8015 NM	

Prep Batch: 49012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26151-1	SW-1B-S-0-2'-20230320	Total/NA	Solid	8015NM Prep	
MB 880-49012/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-49012/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-49012/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 49067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26151-1	SW-1B-S-0-2'-20230320	Total/NA	Solid	8015B NM	49012
MB 880-49012/1-A	Method Blank	Total/NA	Solid	8015B NM	49012
LCS 880-49012/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	49012
LCSD 880-49012/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	49012

Analysis Batch: 49197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26151-1	SW-1B-S-0-2'-20230320	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 45234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4002-1	L-11-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-2	L-12-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-3	L-13-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-4	L-14-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-5	L-15-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-6	L-16-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-7	L-17-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-8	L-18-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-9	L-19-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-10	L-20-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-11	L-21-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-13	L-1-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-14	L-2-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-15	L-3-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-16	L-5-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-17	L-6-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-18	L-7-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-19	L-8-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-20	L-9-5-0-6' 20230131	Soluble	Solid	DI Leach	
MB 880-45234/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-45234/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-45234/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4002-1 MS	L-11-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-1 MSD	L-11-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-11 MS	L-21-5-0-6' 20230131	Soluble	Solid	DI Leach	
890-4002-11 MSD	L-21-5-0-6' 20230131	Soluble	Solid	DI Leach	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

HPLC/IC

Leach Batch: 45276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4002-21	L-10-5-0-6' 20230131	Soluble	Solid	DI Leach	
MB 880-45276/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-45276/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-45276/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 45416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4002-1	L-11-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-2	L-12-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-3	L-13-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-4	L-14-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-5	L-15-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-6	L-16-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-7	L-17-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-8	L-18-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-9	L-19-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-10	L-20-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-11	L-21-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-13	L-1-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-14	L-2-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-15	L-3-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-16	L-5-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-17	L-6-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-18	L-7-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-19	L-8-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-20	L-9-5-0-6' 20230131	Soluble	Solid	300.0	45234
MB 880-45234/1-A	Method Blank	Soluble	Solid	300.0	45234
LCS 880-45234/2-A	Lab Control Sample	Soluble	Solid	300.0	45234
LCSD 880-45234/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	45234
890-4002-1 MS	L-11-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-1 MSD	L-11-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-11 MS	L-21-5-0-6' 20230131	Soluble	Solid	300.0	45234
890-4002-11 MSD	L-21-5-0-6' 20230131	Soluble	Solid	300.0	45234

Analysis Batch: 45421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4002-21	L-10-5-0-6' 20230131	Soluble	Solid	300.0	45276
MB 880-45276/1-A	Method Blank	Soluble	Solid	300.0	45276
LCS 880-45276/2-A	Lab Control Sample	Soluble	Solid	300.0	45276
LCSD 880-45276/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	45276

Leach Batch: 48288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-41	B-58-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-42	B-59-S-1'-20230309	Soluble	Solid	DI Leach	
MB 880-48288/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48288/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48288/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25768-42 MS	B-59-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-42 MSD	B-59-S-1'-20230309	Soluble	Solid	DI Leach	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

HPLC/IC

Leach Batch: 48303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-1	SW-1-S-0-2'- 20230307	Soluble	Solid	DI Leach	
890-4261-2	SW-2-S-0-2'- 20230307	Soluble	Solid	DI Leach	
890-4261-3	SW-3-S-0-2'- 20230307	Soluble	Solid	DI Leach	
890-4261-4	B-1-S-2'-2-20230307	Soluble	Solid	DI Leach	
890-4261-5	B-2-S-2'-2-20230307	Soluble	Solid	DI Leach	
890-4261-6	B-3-S-2'-2-20230307	Soluble	Solid	DI Leach	
890-4261-7	B-4-S-2'-2-20230307	Soluble	Solid	DI Leach	
890-4261-8	B-5-S-1'-2-2-20230307	Soluble	Solid	DI Leach	
890-4261-9	B-6-S-1'-2'-2-20230307	Soluble	Solid	DI Leach	
890-4261-10	B-7-S-1'-2-20230307	Soluble	Solid	DI Leach	
890-4261-11	B-8-S-1'-2-20230307	Soluble	Solid	DI Leach	
890-4261-12	B-9-S-1'-2-20230307	Soluble	Solid	DI Leach	
890-4261-13	B-10-S-1'-20230307	Soluble	Solid	DI Leach	
890-4261-14	B-11-S-1'-20230307	Soluble	Solid	DI Leach	
890-4261-15	B-12-S-1'-20230307	Soluble	Solid	DI Leach	
890-4261-16	B-13-S-1'-20230307	Soluble	Solid	DI Leach	
890-4261-17	B-14-S-1'-20230307	Soluble	Solid	DI Leach	
890-4261-18	B-15-S-1'-20230307	Soluble	Solid	DI Leach	
890-4261-19	B-16-S-1'-20230307	Soluble	Solid	DI Leach	
890-4261-20	B-17-S-1'-20230307	Soluble	Solid	DI Leach	
MB 880-48303/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48303/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48303/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4261-1 MS	SW-1-S-0-2'- 20230307	Soluble	Solid	DI Leach	
890-4261-1 MSD	SW-1-S-0-2'- 20230307	Soluble	Solid	DI Leach	
890-4261-11 MS	B-8-S-1'-2-20230307	Soluble	Solid	DI Leach	
890-4261-11 MSD	B-8-S-1'-2-20230307	Soluble	Solid	DI Leach	

Leach Batch: 48304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-21	B-18-S-1'-20230307	Soluble	Solid	DI Leach	
890-4261-22	B-19-S-1'-20230307	Soluble	Solid	DI Leach	
890-4261-23	B-20-S-1'-20230307	Soluble	Solid	DI Leach	
890-4261-24	B-21-S-1'-20230307	Soluble	Solid	DI Leach	
MB 880-48304/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48304/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48304/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4261-21 MS	B-18-S-1'-20230307	Soluble	Solid	DI Leach	
890-4261-21 MSD	B-18-S-1'-20230307	Soluble	Solid	DI Leach	

Analysis Batch: 48311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-1	SW-1-S-0-2'- 20230307	Soluble	Solid	300.0	48303
890-4261-2	SW-2-S-0-2'- 20230307	Soluble	Solid	300.0	48303
890-4261-3	SW-3-S-0-2'- 20230307	Soluble	Solid	300.0	48303
890-4261-4	B-1-S-2'-2-20230307	Soluble	Solid	300.0	48303
890-4261-5	B-2-S-2'-2-20230307	Soluble	Solid	300.0	48303
890-4261-6	B-3-S-2'-2-20230307	Soluble	Solid	300.0	48303
890-4261-7	B-4-S-2'-2-20230307	Soluble	Solid	300.0	48303
890-4261-8	B-5-S-1'-2-2-20230307	Soluble	Solid	300.0	48303
890-4261-9	B-6-S-1'-2'-2-20230307	Soluble	Solid	300.0	48303

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

HPLC/IC (Continued)

Analysis Batch: 48311 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-10	B-7-S-1'-2-20230307	Soluble	Solid	300.0	48303
890-4261-11	B-8-S-1'-2-20230307	Soluble	Solid	300.0	48303
890-4261-12	B-9-S-1'-2-20230307	Soluble	Solid	300.0	48303
890-4261-13	B-10-S-1'-20230307	Soluble	Solid	300.0	48303
890-4261-14	B-11-S-1'-20230307	Soluble	Solid	300.0	48303
890-4261-15	B-12-S-1'-20230307	Soluble	Solid	300.0	48303
890-4261-16	B-13-S-1'-20230307	Soluble	Solid	300.0	48303
890-4261-17	B-14-S-1'-20230307	Soluble	Solid	300.0	48303
890-4261-18	B-15-S-1'-20230307	Soluble	Solid	300.0	48303
890-4261-19	B-16-S-1'-20230307	Soluble	Solid	300.0	48303
890-4261-20	B-17-S-1'-20230307	Soluble	Solid	300.0	48303
MB 880-48303/1-A	Method Blank	Soluble	Solid	300.0	48303
LCS 880-48303/2-A	Lab Control Sample	Soluble	Solid	300.0	48303
LCSD 880-48303/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48303
890-4261-1 MS	SW-1-S-0-2'- 20230307	Soluble	Solid	300.0	48303
890-4261-1 MSD	SW-1-S-0-2'- 20230307	Soluble	Solid	300.0	48303
890-4261-11 MS	B-8-S-1'-2-20230307	Soluble	Solid	300.0	48303
890-4261-11 MSD	B-8-S-1'-2-20230307	Soluble	Solid	300.0	48303

Analysis Batch: 48312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4261-21	B-18-S-1'-20230307	Soluble	Solid	300.0	48304
890-4261-22	B-19-S-1'-20230307	Soluble	Solid	300.0	48304
890-4261-23	B-20-S-1'-20230307	Soluble	Solid	300.0	48304
890-4261-24	B-21-S-1'-20230307	Soluble	Solid	300.0	48304
MB 880-48304/1-A	Method Blank	Soluble	Solid	300.0	48304
LCS 880-48304/2-A	Lab Control Sample	Soluble	Solid	300.0	48304
LCSD 880-48304/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48304
890-4261-21 MS	B-18-S-1'-20230307	Soluble	Solid	300.0	48304
890-4261-21 MSD	B-18-S-1'-20230307	Soluble	Solid	300.0	48304

Leach Batch: 48313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-1	SW-4-S-0-1'-20230309	Soluble	Solid	DI Leach	
880-25768-2	SW-5-S-0-1'-20230309	Soluble	Solid	DI Leach	
880-25768-3	SW-6-S-0-1'-20230309	Soluble	Solid	DI Leach	
880-25768-4	SW-7-S-0-1'-20230309	Soluble	Solid	DI Leach	
880-25768-5	B-22-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-6	B-23-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-7	B-24-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-8	B-25-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-9	B-26-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-10	B-27-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-11	B-28-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-12	B-29-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-13	B-30-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-14	B-31-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-15	B-32-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-16	B-33-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-17	B-34-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-18	B-35-S-1'-20230309	Soluble	Solid	DI Leach	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

HPLC/IC (Continued)

Leach Batch: 48313 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-19	B-36-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-20	B-37-S-1'-20230309	Soluble	Solid	DI Leach	
MB 880-48313/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48313/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48313/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25768-1 MS	SW-4-S-0-1'-20230309	Soluble	Solid	DI Leach	
880-25768-1 MSD	SW-4-S-0-1'-20230309	Soluble	Solid	DI Leach	
880-25768-11 MS	B-28-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-11 MSD	B-28-S-1'-20230309	Soluble	Solid	DI Leach	

Leach Batch: 48314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-21	B-38-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-22	B-39-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-23	B-40-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-24	B-41-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-25	B-42-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-26	B-43-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-27	B-44-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-28	B-45-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-29	B-46-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-30	B-47-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-31	B-48-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-32	B-49-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-33	B-50-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-34	B-51-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-35	B-52-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-36	B-53-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-37	B-54-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-38	B-55-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-39	B-56-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-40	B-57-S-1'-20230309	Soluble	Solid	DI Leach	
MB 880-48314/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48314/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48314/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25768-21 MS	B-38-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-21 MSD	B-38-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-31 MS	B-48-S-1'-20230309	Soluble	Solid	DI Leach	
880-25768-31 MSD	B-48-S-1'-20230309	Soluble	Solid	DI Leach	

Analysis Batch: 48324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-1	SW-4-S-0-1'-20230309	Soluble	Solid	300.0	48313
880-25768-2	SW-5-S-0-1'-20230309	Soluble	Solid	300.0	48313
880-25768-3	SW-6-S-0-1'-20230309	Soluble	Solid	300.0	48313
880-25768-4	SW-7-S-0-1'-20230309	Soluble	Solid	300.0	48313
880-25768-5	B-22-S-1'-20230309	Soluble	Solid	300.0	48313
880-25768-6	B-23-S-1'-20230309	Soluble	Solid	300.0	48313
880-25768-7	B-24-S-1'-20230309	Soluble	Solid	300.0	48313
880-25768-8	B-25-S-1'-20230309	Soluble	Solid	300.0	48313
880-25768-9	B-26-S-1'-20230309	Soluble	Solid	300.0	48313

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

HPLC/IC (Continued)

Analysis Batch: 48324 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-10	B-27-S-1'-20230309	Soluble	Solid	300.0	48313
880-25768-11	B-28-S-1'-20230309	Soluble	Solid	300.0	48313
880-25768-12	B-29-S-1'-20230309	Soluble	Solid	300.0	48313
880-25768-13	B-30-S-1'-20230309	Soluble	Solid	300.0	48313
880-25768-14	B-31-S-1'-20230309	Soluble	Solid	300.0	48313
880-25768-15	B-32-S-1'-20230309	Soluble	Solid	300.0	48313
880-25768-16	B-33-S-1'-20230309	Soluble	Solid	300.0	48313
880-25768-17	B-34-S-1'-20230309	Soluble	Solid	300.0	48313
880-25768-18	B-35-S-1'-20230309	Soluble	Solid	300.0	48313
880-25768-19	B-36-S-1'-20230309	Soluble	Solid	300.0	48313
880-25768-20	B-37-S-1'-20230309	Soluble	Solid	300.0	48313
MB 880-48313/1-A	Method Blank	Soluble	Solid	300.0	48313
LCS 880-48313/2-A	Lab Control Sample	Soluble	Solid	300.0	48313
LCSD 880-48313/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48313
880-25768-1 MS	SW-4-S-0-1'-20230309	Soluble	Solid	300.0	48313
880-25768-1 MSD	SW-4-S-0-1'-20230309	Soluble	Solid	300.0	48313
880-25768-11 MS	B-28-S-1'-20230309	Soluble	Solid	300.0	48313
880-25768-11 MSD	B-28-S-1'-20230309	Soluble	Solid	300.0	48313

Analysis Batch: 48325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-21	B-38-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-22	B-39-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-23	B-40-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-24	B-41-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-25	B-42-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-26	B-43-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-27	B-44-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-28	B-45-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-29	B-46-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-30	B-47-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-31	B-48-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-32	B-49-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-33	B-50-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-34	B-51-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-35	B-52-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-36	B-53-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-37	B-54-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-38	B-55-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-39	B-56-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-40	B-57-S-1'-20230309	Soluble	Solid	300.0	48314
MB 880-48314/1-A	Method Blank	Soluble	Solid	300.0	48314
LCS 880-48314/2-A	Lab Control Sample	Soluble	Solid	300.0	48314
LCSD 880-48314/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48314
880-25768-21 MS	B-38-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-21 MSD	B-38-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-31 MS	B-48-S-1'-20230309	Soluble	Solid	300.0	48314
880-25768-31 MSD	B-48-S-1'-20230309	Soluble	Solid	300.0	48314

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

HPLC/IC

Analysis Batch: 48327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25768-41	B-58-S-1'-20230309	Soluble	Solid	300.0	48288
880-25768-42	B-59-S-1'-20230309	Soluble	Solid	300.0	48288
MB 880-48288/1-A	Method Blank	Soluble	Solid	300.0	48288
LCS 880-48288/2-A	Lab Control Sample	Soluble	Solid	300.0	48288
LCSD 880-48288/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48288
880-25768-42 MS	B-59-S-1'-20230309	Soluble	Solid	300.0	48288
880-25768-42 MSD	B-59-S-1'-20230309	Soluble	Solid	300.0	48288

Leach Batch: 48646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25966-1	SW-3B-S-0-1'-20230314	Soluble	Solid	DI Leach	
MB 880-48646/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48646/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48646/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 48693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25966-1	SW-3B-S-0-1'-20230314	Soluble	Solid	300.0	48646
MB 880-48646/1-A	Method Blank	Soluble	Solid	300.0	48646
LCS 880-48646/2-A	Lab Control Sample	Soluble	Solid	300.0	48646
LCSD 880-48646/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48646

Leach Batch: 49103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26151-1	SW-1B-S-0-2'-20230320	Soluble	Solid	DI Leach	
MB 880-49103/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-49103/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-49103/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 49141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26151-1	SW-1B-S-0-2'-20230320	Soluble	Solid	300.0	49103
MB 880-49103/1-A	Method Blank	Soluble	Solid	300.0	49103
LCS 880-49103/2-A	Lab Control Sample	Soluble	Solid	300.0	49103
LCSD 880-49103/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	49103

Lab Chronicle

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: SW-4-S-0-1'-20230309 Lab Sample ID: 880-25768-1
Date Collected: 03/09/23 10:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 12:29	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48343	03/10/23 15:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48388	03/12/23 05:04	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 17:10	SMC	EET MID

Client Sample ID: SW-5-S-0-1'-20230309 Lab Sample ID: 880-25768-2
Date Collected: 03/09/23 10:10 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.99 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 12:50	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48343	03/10/23 15:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48388	03/12/23 05:26	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 17:24	SMC	EET MID

Client Sample ID: SW-6-S-0-1'-20230309 Lab Sample ID: 880-25768-3
Date Collected: 03/09/23 10:20 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 13:10	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48343	03/10/23 15:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48388	03/12/23 05:47	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 17:29	SMC	EET MID

Client Sample ID: SW-7-S-0-1'-20230309 Lab Sample ID: 880-25768-4
Date Collected: 03/09/23 10:30 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 13:31	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: SW-7-S-0-1'-20230309 Lab Sample ID: 880-25768-4

Date Collected: 03/09/23 10:30 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48343	03/10/23 15:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48388	03/12/23 06:09	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 17:34	SMC	EET MID

Client Sample ID: B-22-S-1'-20230309 Lab Sample ID: 880-25768-5

Date Collected: 03/09/23 10:40 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 13:52	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48343	03/10/23 15:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48388	03/12/23 06:30	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 17:39	SMC	EET MID

Client Sample ID: B-23-S-1'-20230309 Lab Sample ID: 880-25768-6

Date Collected: 03/09/23 10:50 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.05 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 14:12	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48343	03/10/23 15:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48388	03/12/23 06:52	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 17:53	SMC	EET MID

Client Sample ID: B-24-S-1'-20230309 Lab Sample ID: 880-25768-7

Date Collected: 03/09/23 11:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 14:33	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 12:21	SM	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-24-S-1'-20230309 Lab Sample ID: 880-25768-7
Date Collected: 03/09/23 11:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 17:58	SMC	EET MID

Client Sample ID: B-25-S-1'-20230309 Lab Sample ID: 880-25768-8
Date Collected: 03/09/23 11:10 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.97 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 14:54	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 13:28	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 18:03	SMC	EET MID

Client Sample ID: B-26-S-1'-20230309 Lab Sample ID: 880-25768-9
Date Collected: 03/09/23 11:20 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.95 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 15:15	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 13:50	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 18:08	SMC	EET MID

Client Sample ID: B-27-S-1'-20230309 Lab Sample ID: 880-25768-10
Date Collected: 03/09/23 11:30 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 15:35	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 14:12	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 18:13	SMC	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-28-S-1'-20230309
Date Collected: 03/09/23 11:40
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 16:59	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 14:34	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 18:18	SMC	EET MID

Client Sample ID: B-29-S-1'-20230309
Date Collected: 03/09/23 11:50
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 17:20	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 14:56	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 18:32	SMC	EET MID

Client Sample ID: B-30-S-1'-20230309
Date Collected: 03/09/23 12:00
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.99 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 17:41	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 15:18	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 18:37	SMC	EET MID

Client Sample ID: B-31-S-1'-20230309
Date Collected: 03/09/23 12:10
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 18:01	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-31-S-1'-20230309
Date Collected: 03/09/23 12:10
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 15:39	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 18:51	SMC	EET MID

Client Sample ID: B-32-S-1'-20230309
Date Collected: 03/09/23 12:20
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.97 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 18:22	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 16:01	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 18:56	SMC	EET MID

Client Sample ID: B-33-S-1'-20230309
Date Collected: 03/09/23 12:30
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.95 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 18:42	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 16:23	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 19:01	SMC	EET MID

Client Sample ID: B-34-S-1'-20230309
Date Collected: 03/09/23 12:40
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 19:03	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 17:07	SM	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-34-S-1'-20230309 Lab Sample ID: 880-25768-17
Date Collected: 03/09/23 12:40 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/11/23 09:53	SMC	EET MID

Client Sample ID: B-35-S-1'-20230309 Lab Sample ID: 880-25768-18
Date Collected: 03/09/23 12:50 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 19:24	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 17:29	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 19:07	SMC	EET MID

Client Sample ID: B-36-S-1'-20230309 Lab Sample ID: 880-25768-19
Date Collected: 03/09/23 13:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 19:44	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 17:51	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48324	03/10/23 19:12	SMC	EET MID

Client Sample ID: B-37-S-1'-20230309 Lab Sample ID: 880-25768-20
Date Collected: 03/09/23 13:10 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.97 g	5 mL	48843	03/17/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48882	03/18/23 20:05	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/19/23 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 18:12	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	48313	03/10/23 12:00	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	48324	03/11/23 12:16	SMC	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-38-S-1'-20230309
Date Collected: 03/09/23 13:20
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.96 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 15:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 18:34	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	48325	03/11/23 00:12	SMC	EET MID

Client Sample ID: B-39-S-1'-20230309
Date Collected: 03/09/23 13:30
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 15:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 18:56	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	48325	03/11/23 00:26	SMC	EET MID

Client Sample ID: B-40-S-1'-20230309
Date Collected: 03/09/23 00:00
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 16:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 19:18	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48325	03/11/23 00:31	SMC	EET MID

Client Sample ID: B-41-S-1'-20230309
Date Collected: 03/09/23 00:00
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 16:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-41-S-1'-20230309
Date Collected: 03/09/23 00:00
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 19:41	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48325	03/11/23 00:36	SMC	EET MID

Client Sample ID: B-42-S-1'-20230309
Date Collected: 03/09/23 00:00
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.99 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 16:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 20:03	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48325	03/11/23 00:41	SMC	EET MID

Client Sample ID: B-43-S-1'-20230309
Date Collected: 03/09/23 00:00
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 17:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48346	03/10/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 20:25	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48325	03/11/23 00:55	SMC	EET MID

Client Sample ID: B-44-S-1'-20230309
Date Collected: 03/09/23 00:00
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 17:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48345	03/10/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 12:21	SM	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-44-S-1'-20230309 Lab Sample ID: 880-25768-27
Date Collected: 03/09/23 00:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48325	03/11/23 01:00	SMC	EET MID

Client Sample ID: B-45-S-1'-20230309 Lab Sample ID: 880-25768-28
Date Collected: 03/09/23 00:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 17:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48345	03/10/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 13:28	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48325	03/11/23 01:05	SMC	EET MID

Client Sample ID: B-46-S-1'-20230309 Lab Sample ID: 880-25768-29
Date Collected: 03/09/23 00:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.97 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 18:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48345	03/10/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 13:50	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48325	03/11/23 01:10	SMC	EET MID

Client Sample ID: B-47-S-1'-20230309 Lab Sample ID: 880-25768-30
Date Collected: 03/09/23 00:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.98 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 18:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48345	03/10/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 14:12	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48325	03/11/23 01:15	SMC	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-48-S-1'-20230309
Lab Sample ID: 880-25768-31
Date Collected: 03/09/23 00:00
Matrix: Solid
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 20:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48345	03/10/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 14:34	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48325	03/11/23 01:19	SMC	EET MID

Client Sample ID: B-49-S-1'-20230309
Lab Sample ID: 880-25768-32
Date Collected: 03/09/23 00:00
Matrix: Solid
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 20:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48345	03/10/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 14:56	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48325	03/11/23 01:34	SMC	EET MID

Client Sample ID: B-50-S-1'-20230309
Lab Sample ID: 880-25768-33
Date Collected: 03/09/23 00:00
Matrix: Solid
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 21:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48345	03/10/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 15:18	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48325	03/11/23 01:39	SMC	EET MID

Client Sample ID: B-51-S-1'-20230309
Lab Sample ID: 880-25768-34
Date Collected: 03/09/23 15:30
Matrix: Solid
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.05 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 21:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-51-S-1'-20230309
Date Collected: 03/09/23 15:30
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48345	03/10/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 15:39	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48325	03/11/23 01:53	SMC	EET MID

Client Sample ID: B-52-S-1'-20230309
Date Collected: 03/09/23 15:40
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-35
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.99 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 21:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48345	03/10/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 16:01	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48325	03/11/23 01:58	SMC	EET MID

Client Sample ID: B-53-S-1'-20230309
Date Collected: 03/09/23 15:50
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-36
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 22:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48345	03/10/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 16:23	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48325	03/11/23 02:03	SMC	EET MID

Client Sample ID: B-54-S-1'-20230309
Date Collected: 03/09/23 16:00
Date Received: 03/10/23 10:20

Lab Sample ID: 880-25768-37
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 22:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48345	03/10/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 17:07	SM	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-54-S-1'-20230309 Lab Sample ID: 880-25768-37
Date Collected: 03/09/23 16:00 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48325	03/11/23 02:08	SMC	EET MID

Client Sample ID: B-55-S-1'-20230309 Lab Sample ID: 880-25768-38
Date Collected: 03/09/23 16:10 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 22:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48345	03/10/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 17:29	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48325	03/11/23 02:13	SMC	EET MID

Client Sample ID: B-56-S-1'-20230309 Lab Sample ID: 880-25768-39
Date Collected: 03/09/23 16:20 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 23:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10 g	10 mL	48345	03/10/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 17:51	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	48325	03/11/23 02:17	SMC	EET MID

Client Sample ID: B-57-S-1'-20230309 Lab Sample ID: 880-25768-40
Date Collected: 03/09/23 16:30 **Matrix: Solid**
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.97 g	5 mL	48844	03/17/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48914	03/19/23 23:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48345	03/10/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 18:12	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	48314	03/10/23 12:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48325	03/11/23 02:22	SMC	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-58-S-1'-20230309

Lab Sample ID: 880-25768-41
Date Collected: 03/09/23 16:40
Matrix: Solid
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	48951	03/20/23 08:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48949	03/20/23 13:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 16:30	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48345	03/10/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 18:34	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48288	03/10/23 12:00	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48327	03/11/23 14:34	SMC	EET MID

Client Sample ID: B-59-S-1'-20230309

Lab Sample ID: 880-25768-42
Date Collected: 03/09/23 16:50
Matrix: Solid
Date Received: 03/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48951	03/20/23 08:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48949	03/20/23 13:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48930	03/20/23 16:30	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48531	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48345	03/10/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 18:56	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	48288	03/10/23 12:00	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48327	03/11/23 14:38	SMC	EET MID

Client Sample ID: SW-3B-S-0-1'-20230314

Lab Sample ID: 880-25966-1
Date Collected: 03/14/23 12:00
Matrix: Solid
Date Received: 03/15/23 11:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	48712	03/16/23 09:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48707	03/16/23 20:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48997	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48852	03/17/23 15:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48780	03/16/23 14:57	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48705	03/16/23 22:15	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48646	03/15/23 16:30	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48693	03/17/23 06:45	SMC	EET MID

Client Sample ID: SW-1B-S-0-2'-20230320

Lab Sample ID: 880-26151-1
Date Collected: 03/20/23 15:20
Matrix: Solid
Date Received: 03/21/23 08:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.05 g	5 mL	49091	03/21/23 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49077	03/21/23 15:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49148	03/21/23 17:33	SM	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: SW-1B-S-0-2'-20230320

Lab Sample ID: 880-26151-1
Date Collected: 03/20/23 15:20
Matrix: Solid
Date Received: 03/21/23 08:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49197	03/22/23 11:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49012	03/21/23 09:05	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49067	03/21/23 19:13	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	49103	03/21/23 10:23	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49141	03/21/23 15:16	SMC	EET MID

Client Sample ID: L-11-5-0-6' 20230131

Lab Sample ID: 890-4002-1
Date Collected: 01/31/23 12:10
Matrix: Solid
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 15:27	CH	EET MID

Client Sample ID: L-12-5-0-6' 20230131

Lab Sample ID: 890-4002-2
Date Collected: 01/31/23 12:20
Matrix: Solid
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 15:41	CH	EET MID

Client Sample ID: L-13-5-0-6' 20230131

Lab Sample ID: 890-4002-3
Date Collected: 01/31/23 12:30
Matrix: Solid
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 15:46	CH	EET MID

Client Sample ID: L-14-5-0-6' 20230131

Lab Sample ID: 890-4002-4
Date Collected: 01/31/23 13:40
Matrix: Solid
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 15:51	CH	EET MID

Client Sample ID: L-15-5-0-6' 20230131

Lab Sample ID: 890-4002-5
Date Collected: 01/31/23 13:50
Matrix: Solid
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 15:55	CH	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: L-16-5-0-6' 20230131 — Lab Sample ID: 890-4002-6

Date Collected: 01/31/23 12:40 — **Matrix: Solid**
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 16:09	CH	EET MID

Client Sample ID: L-17-5-0-6' 20230131 — Lab Sample ID: 890-4002-7

Date Collected: 01/31/23 12:50 — **Matrix: Solid**
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 16:14	CH	EET MID

Client Sample ID: L-18-5-0-6' 20230131 — Lab Sample ID: 890-4002-8

Date Collected: 01/31/23 13:00 — **Matrix: Solid**
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 16:19	CH	EET MID

Client Sample ID: L-19-5-0-6' 20230131 — Lab Sample ID: 890-4002-9

Date Collected: 01/31/23 13:10 — **Matrix: Solid**
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 16:23	CH	EET MID

Client Sample ID: L-20-5-0-6' 20230131 — Lab Sample ID: 890-4002-10

Date Collected: 01/31/23 13:30 — **Matrix: Solid**
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 16:28	CH	EET MID

Client Sample ID: L-21-5-0-6' 20230131 — Lab Sample ID: 890-4002-11

Date Collected: 01/31/23 14:20 — **Matrix: Solid**
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 16:33	CH	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: L-1-5-0-6' 20230131 Lab Sample ID: 890-4002-13

Date Collected: 01/31/23 11:00 **Matrix: Solid**
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 16:51	CH	EET MID

Client Sample ID: L-2-5-0-6' 20230131 Lab Sample ID: 890-4002-14

Date Collected: 01/31/23 11:10 **Matrix: Solid**
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 17:05	CH	EET MID

Client Sample ID: L-3-5-0-6' 20230131 Lab Sample ID: 890-4002-15

Date Collected: 01/31/23 10:50 **Matrix: Solid**
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 17:10	CH	EET MID

Client Sample ID: L-5-5-0-6' 20230131 Lab Sample ID: 890-4002-16

Date Collected: 01/31/23 11:20 **Matrix: Solid**
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 17:15	CH	EET MID

Client Sample ID: L-6-5-0-6' 20230131 Lab Sample ID: 890-4002-17

Date Collected: 01/31/23 14:10 **Matrix: Solid**
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 17:19	CH	EET MID

Client Sample ID: L-7-5-0-6' 20230131 Lab Sample ID: 890-4002-18

Date Collected: 01/31/23 11:30 **Matrix: Solid**
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 17:24	CH	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: L-8-5-0-6' 20230131

Lab Sample ID: 890-4002-19
Matrix: Solid
Date Collected: 01/31/23 11:40
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 17:29	CH	EET MID

Client Sample ID: L-9-5-0-6' 20230131

Lab Sample ID: 890-4002-20
Matrix: Solid
Date Collected: 01/31/23 11:50
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	45234	02/02/23 09:15	KS	EET MID
Soluble	Analysis	300.0		1			45416	02/03/23 17:33	CH	EET MID

Client Sample ID: L-10-5-0-6' 20230131

Lab Sample ID: 890-4002-21
Matrix: Solid
Date Collected: 01/31/23 12:00
Date Received: 01/31/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	45276	02/02/23 15:16	KS	EET MID
Soluble	Analysis	300.0		1			45421	02/03/23 20:39	CH	EET MID

Client Sample ID: SW-1-S-0-2'- 20230307

Lab Sample ID: 890-4261-1
Matrix: Solid
Date Collected: 03/07/23 10:00
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.05 g	5 mL	48309	03/10/23 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/10/23 17:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/13/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48322	03/10/23 13:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48386	03/11/23 14:56	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 12:00	CH	EET MID

Client Sample ID: SW-2-S-0-2'- 20230307

Lab Sample ID: 890-4261-2
Matrix: Solid
Date Collected: 03/07/23 10:10
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	48309	03/10/23 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/10/23 18:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/13/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48322	03/10/23 13:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48386	03/11/23 15:19	SM	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: SW-2-S-0-2'- 20230307

Lab Sample ID: 890-4261-2
Date Collected: 03/07/23 10:10
Matrix: Solid
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 12:14	CH	EET MID

Client Sample ID: SW-3-S-0-2'- 20230307

Lab Sample ID: 890-4261-3
Date Collected: 03/07/23 10:20
Matrix: Solid
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	48309	03/10/23 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/10/23 18:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/13/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48322	03/10/23 13:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48386	03/11/23 15:41	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 12:19	CH	EET MID

Client Sample ID: B-1-S-2'-2-20230307

Lab Sample ID: 890-4261-4
Date Collected: 03/07/23 10:30
Matrix: Solid
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	48199	03/09/23 10:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48285	03/10/23 12:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/10/23 17:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	48252	03/09/23 15:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48274	03/10/23 13:53	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 12:24	CH	EET MID

Client Sample ID: B-2-S-2'-2-20230307

Lab Sample ID: 890-4261-5
Date Collected: 03/07/23 10:40
Matrix: Solid
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48199	03/09/23 10:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48285	03/10/23 13:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/10/23 17:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	48252	03/09/23 15:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48274	03/10/23 14:16	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 12:29	CH	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-3-S-2'-2-20230307
Date Collected: 03/07/23 10:50
Date Received: 03/08/23 16:12

Lab Sample ID: 890-4261-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	48199	03/09/23 10:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48285	03/10/23 13:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/10/23 17:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	48252	03/09/23 15:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48274	03/10/23 14:37	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 12:43	CH	EET MID

Client Sample ID: B-4-S-2'-2-20230307
Date Collected: 03/07/23 11:00
Date Received: 03/08/23 16:12

Lab Sample ID: 890-4261-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48199	03/09/23 10:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48285	03/10/23 13:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/10/23 17:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	48252	03/09/23 15:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48274	03/10/23 15:00	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 12:48	CH	EET MID

Client Sample ID: B-5-S-1'-2-2-20230307
Date Collected: 03/07/23 11:10
Date Received: 03/08/23 16:12

Lab Sample ID: 890-4261-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.97 g	5 mL	48199	03/09/23 10:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48285	03/10/23 14:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/10/23 17:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	48252	03/09/23 15:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48274	03/10/23 15:44	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 12:53	CH	EET MID

Client Sample ID: B-6-S-1'-2'-2-20230307
Date Collected: 03/07/23 11:20
Date Received: 03/08/23 16:12

Lab Sample ID: 890-4261-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.99 g	5 mL	48199	03/09/23 10:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48285	03/10/23 14:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/10/23 17:20	AJ	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-6-S-1'-2'-2-20230307

Lab Sample ID: 890-4261-9
Matrix: Solid
Date Collected: 03/07/23 11:20
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	48252	03/09/23 15:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48274	03/10/23 16:07	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 12:58	CH	EET MID

Client Sample ID: B-7-S-1'-2-20230307

Lab Sample ID: 890-4261-10
Matrix: Solid
Date Collected: 03/07/23 11:30
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48309	03/10/23 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/10/23 18:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/13/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48322	03/10/23 13:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48386	03/11/23 16:03	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		5			48311	03/10/23 13:03	CH	EET MID

Client Sample ID: B-8-S-1'-2-20230307

Lab Sample ID: 890-4261-11
Matrix: Solid
Date Collected: 03/07/23 11:40
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	48309	03/10/23 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/10/23 22:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/13/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48322	03/10/23 13:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48386	03/11/23 16:47	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 13:07	CH	EET MID

Client Sample ID: B-9-S-1'-2-20230307

Lab Sample ID: 890-4261-12
Matrix: Solid
Date Collected: 03/07/23 11:50
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	48309	03/10/23 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/10/23 22:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/13/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48322	03/10/23 13:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48386	03/11/23 17:10	SM	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-9-S-1'-2-20230307
Lab Sample ID: 890-4261-12
Date Collected: 03/07/23 11:50
Matrix: Solid
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 13:22	CH	EET MID

Client Sample ID: B-10-S-1'-20230307
Lab Sample ID: 890-4261-13
Date Collected: 03/07/23 12:00
Matrix: Solid
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48309	03/10/23 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/10/23 23:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/13/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48322	03/10/23 13:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48386	03/11/23 17:32	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 13:27	CH	EET MID

Client Sample ID: B-11-S-1'-20230307
Lab Sample ID: 890-4261-14
Date Collected: 03/07/23 12:10
Matrix: Solid
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.99 g	5 mL	48309	03/10/23 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/10/23 23:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/13/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48322	03/10/23 13:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48386	03/11/23 17:54	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 13:41	CH	EET MID

Client Sample ID: B-12-S-1'-20230307
Lab Sample ID: 890-4261-15
Date Collected: 03/07/23 12:50
Matrix: Solid
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	48309	03/10/23 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/10/23 23:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/13/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48322	03/10/23 13:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48386	03/11/23 18:16	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 13:46	CH	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Client Sample ID: B-13-S-1'-20230307 Lab Sample ID: 890-4261-16

Date Collected: 03/07/23 13:00 **Matrix: Solid**
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	48309	03/10/23 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/11/23 00:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/13/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48322	03/10/23 13:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48386	03/11/23 18:38	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 13:51	CH	EET MID

Client Sample ID: B-14-S-1'-20230307 Lab Sample ID: 890-4261-17

Date Collected: 03/07/23 13:10 **Matrix: Solid**
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	48309	03/10/23 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/11/23 00:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/13/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48262	03/09/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/13/23 05:02	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 13:56	CH	EET MID

Client Sample ID: B-15-S-1'-20230307 Lab Sample ID: 890-4261-18

Date Collected: 03/07/23 13:20 **Matrix: Solid**
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	48309	03/10/23 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/11/23 00:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/13/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	48262	03/09/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/13/23 05:24	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 14:01	CH	EET MID

Client Sample ID: B-16-S-1'-20230307 Lab Sample ID: 890-4261-19

Date Collected: 03/07/23 13:30 **Matrix: Solid**
Date Received: 03/08/23 16:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48309	03/10/23 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/11/23 01:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/13/23 18:25	AJ	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-16-S-1'-20230307
Date Collected: 03/07/23 13:30
Date Received: 03/08/23 16:12

Lab Sample ID: 890-4261-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			48525	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48262	03/09/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/13/23 05:45	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 14:06	CH	EET MID

Client Sample ID: B-17-S-1'-20230307
Date Collected: 03/07/23 13:40
Date Received: 03/08/23 16:12

Lab Sample ID: 890-4261-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.98 g	5 mL	48309	03/10/23 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/11/23 01:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/13/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48262	03/09/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/13/23 06:07	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	48303	03/10/23 10:25	KS	EET MID
Soluble	Analysis	300.0		1			48311	03/10/23 14:10	CH	EET MID

Client Sample ID: B-18-S-1'-20230307
Date Collected: 03/07/23 13:50
Date Received: 03/08/23 16:12

Lab Sample ID: 890-4261-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	48192	03/09/23 10:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48425	03/13/23 19:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/15/23 17:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48322	03/10/23 13:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48386	03/11/23 19:00	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	48304	03/10/23 10:27	KS	EET MID
Soluble	Analysis	300.0		5			48312	03/10/23 15:04	SMC	EET MID

Client Sample ID: B-19-S-1'-20230307
Date Collected: 03/07/23 14:00
Date Received: 03/08/23 16:12

Lab Sample ID: 890-4261-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.97 g	5 mL	48192	03/09/23 10:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48425	03/13/23 19:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/15/23 17:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48322	03/10/23 13:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48386	03/11/23 19:22	SM	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Client Sample ID: B-19-S-1'-20230307
Date Collected: 03/07/23 14:00
Date Received: 03/08/23 16:12

Lab Sample ID: 890-4261-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	48304	03/10/23 10:27	KS	EET MID
Soluble	Analysis	300.0		1			48312	03/10/23 15:18	SMC	EET MID

Client Sample ID: B-20-S-1'-20230307
Date Collected: 03/07/23 14:10
Date Received: 03/08/23 16:12

Lab Sample ID: 890-4261-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.95 g	5 mL	48192	03/09/23 10:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48425	03/13/23 19:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/15/23 17:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48322	03/10/23 13:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48386	03/11/23 19:44	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	48304	03/10/23 10:27	KS	EET MID
Soluble	Analysis	300.0		1			48312	03/10/23 15:23	SMC	EET MID

Client Sample ID: B-21-S-1'-20230307
Date Collected: 03/07/23 14:20
Date Received: 03/08/23 16:12

Lab Sample ID: 890-4261-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	48192	03/09/23 10:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48425	03/13/23 20:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48364	03/15/23 17:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48525	03/13/23 16:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48322	03/10/23 13:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48386	03/11/23 20:05	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	48304	03/10/23 10:27	KS	EET MID
Soluble	Analysis	300.0		5			48312	03/10/23 15:28	SMC	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc. Job ID: 890-4261-1
Project/Site: Chevron Old Indian Draw Gathering Line SDG: 88001631

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5030B	Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-25768-1	SW-4-S-0-1'-20230309	Solid	03/09/23 10:00	03/10/23 10:20
880-25768-2	SW-5-S-0-1'-20230309	Solid	03/09/23 10:10	03/10/23 10:20
880-25768-3	SW-6-S-0-1'-20230309	Solid	03/09/23 10:20	03/10/23 10:20
880-25768-4	SW-7-S-0-1'-20230309	Solid	03/09/23 10:30	03/10/23 10:20
880-25768-5	B-22-S-1'-20230309	Solid	03/09/23 10:40	03/10/23 10:20
880-25768-6	B-23-S-1'-20230309	Solid	03/09/23 10:50	03/10/23 10:20
880-25768-7	B-24-S-1'-20230309	Solid	03/09/23 11:00	03/10/23 10:20
880-25768-8	B-25-S-1'-20230309	Solid	03/09/23 11:10	03/10/23 10:20
880-25768-9	B-26-S-1'-20230309	Solid	03/09/23 11:20	03/10/23 10:20
880-25768-10	B-27-S-1'-20230309	Solid	03/09/23 11:30	03/10/23 10:20
880-25768-11	B-28-S-1'-20230309	Solid	03/09/23 11:40	03/10/23 10:20
880-25768-12	B-29-S-1'-20230309	Solid	03/09/23 11:50	03/10/23 10:20
880-25768-13	B-30-S-1'-20230309	Solid	03/09/23 12:00	03/10/23 10:20
880-25768-14	B-31-S-1'-20230309	Solid	03/09/23 12:10	03/10/23 10:20
880-25768-15	B-32-S-1'-20230309	Solid	03/09/23 12:20	03/10/23 10:20
880-25768-16	B-33-S-1'-20230309	Solid	03/09/23 12:30	03/10/23 10:20
880-25768-17	B-34-S-1'-20230309	Solid	03/09/23 12:40	03/10/23 10:20
880-25768-18	B-35-S-1'-20230309	Solid	03/09/23 12:50	03/10/23 10:20
880-25768-19	B-36-S-1'-20230309	Solid	03/09/23 13:00	03/10/23 10:20
880-25768-20	B-37-S-1'-20230309	Solid	03/09/23 13:10	03/10/23 10:20
880-25768-21	B-38-S-1'-20230309	Solid	03/09/23 13:20	03/10/23 10:20
880-25768-22	B-39-S-1'-20230309	Solid	03/09/23 13:30	03/10/23 10:20
880-25768-23	B-40-S-1'-20230309	Solid	03/09/23 00:00	03/10/23 10:20
880-25768-24	B-41-S-1'-20230309	Solid	03/09/23 00:00	03/10/23 10:20
880-25768-25	B-42-S-1'-20230309	Solid	03/09/23 00:00	03/10/23 10:20
880-25768-26	B-43-S-1'-20230309	Solid	03/09/23 00:00	03/10/23 10:20
880-25768-27	B-44-S-1'-20230309	Solid	03/09/23 00:00	03/10/23 10:20
880-25768-28	B-45-S-1'-20230309	Solid	03/09/23 00:00	03/10/23 10:20
880-25768-29	B-46-S-1'-20230309	Solid	03/09/23 00:00	03/10/23 10:20
880-25768-30	B-47-S-1'-20230309	Solid	03/09/23 00:00	03/10/23 10:20
880-25768-31	B-48-S-1'-20230309	Solid	03/09/23 00:00	03/10/23 10:20
880-25768-32	B-49-S-1'-20230309	Solid	03/09/23 00:00	03/10/23 10:20
880-25768-33	B-50-S-1'-20230309	Solid	03/09/23 00:00	03/10/23 10:20
880-25768-34	B-51-S-1'-20230309	Solid	03/09/23 15:30	03/10/23 10:20
880-25768-35	B-52-S-1'-20230309	Solid	03/09/23 15:40	03/10/23 10:20
880-25768-36	B-53-S-1'-20230309	Solid	03/09/23 15:50	03/10/23 10:20
880-25768-37	B-54-S-1'-20230309	Solid	03/09/23 16:00	03/10/23 10:20
880-25768-38	B-55-S-1'-20230309	Solid	03/09/23 16:10	03/10/23 10:20
880-25768-39	B-56-S-1'-20230309	Solid	03/09/23 16:20	03/10/23 10:20
880-25768-40	B-57-S-1'-20230309	Solid	03/09/23 16:30	03/10/23 10:20
880-25768-41	B-58-S-1'-20230309	Solid	03/09/23 16:40	03/10/23 10:20
880-25768-42	B-59-S-1'-20230309	Solid	03/09/23 16:50	03/10/23 10:20
880-25966-1	SW-3B-S-0-1'-20230314	Solid	03/14/23 12:00	03/15/23 11:53
880-26151-1	SW-1B-S-0-2'-20230320	Solid	03/20/23 15:20	03/21/23 08:10
890-4002-1	L-11-5-0-6' 20230131	Solid	01/31/23 12:10	01/31/23 16:12
890-4002-2	L-12-5-0-6' 20230131	Solid	01/31/23 12:20	01/31/23 16:12
890-4002-3	L-13-5-0-6' 20230131	Solid	01/31/23 12:30	01/31/23 16:12
890-4002-4	L-14-5-0-6' 20230131	Solid	01/31/23 13:40	01/31/23 16:12
890-4002-5	L-15-5-0-6' 20230131	Solid	01/31/23 13:50	01/31/23 16:12
890-4002-6	L-16-5-0-6' 20230131	Solid	01/31/23 12:40	01/31/23 16:12
890-4002-7	L-17-5-0-6' 20230131	Solid	01/31/23 12:50	01/31/23 16:12
890-4002-8	L-18-5-0-6' 20230131	Solid	01/31/23 13:00	01/31/23 16:12
890-4002-9	L-19-5-0-6' 20230131	Solid	01/31/23 13:10	01/31/23 16:12
890-4002-10	L-20-5-0-6' 20230131	Solid	01/31/23 13:30	01/31/23 16:12

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1
SDG: 88001631

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-4002-11	L-21-5-0-6' 20230131	Solid	01/31/23 14:20	01/31/23 16:12
890-4002-13	L-1-5-0-6' 20230131	Solid	01/31/23 11:00	01/31/23 16:12
890-4002-14	L-2-5-0-6' 20230131	Solid	01/31/23 11:10	01/31/23 16:12
890-4002-15	L-3-5-0-6' 20230131	Solid	01/31/23 10:50	01/31/23 16:12
890-4002-16	L-5-5-0-6' 20230131	Solid	01/31/23 11:20	01/31/23 16:12
890-4002-17	L-6-5-0-6' 20230131	Solid	01/31/23 14:10	01/31/23 16:12
890-4002-18	L-7-5-0-6' 20230131	Solid	01/31/23 11:30	01/31/23 16:12
890-4002-19	L-8-5-0-6' 20230131	Solid	01/31/23 11:40	01/31/23 16:12
890-4002-20	L-9-5-0-6' 20230131	Solid	01/31/23 11:50	01/31/23 16:12
890-4002-21	L-10-5-0-6' 20230131	Solid	01/31/23 12:00	01/31/23 16:12
890-4261-1	SW-1-S-0-2'- 20230307	Solid	03/07/23 10:00	03/08/23 16:12
890-4261-2	SW-2-S-0-2'- 20230307	Solid	03/07/23 10:10	03/08/23 16:12
890-4261-3	SW-3-S-0-2'- 20230307	Solid	03/07/23 10:20	03/08/23 16:12
890-4261-4	B-1-S-2'-2-20230307	Solid	03/07/23 10:30	03/08/23 16:12
890-4261-5	B-2-S-2'-2-20230307	Solid	03/07/23 10:40	03/08/23 16:12
890-4261-6	B-3-S-2'-2-20230307	Solid	03/07/23 10:50	03/08/23 16:12
890-4261-7	B-4-S-2'-2-20230307	Solid	03/07/23 11:00	03/08/23 16:12
890-4261-8	B-5-S-1'-2-2-20230307	Solid	03/07/23 11:10	03/08/23 16:12
890-4261-9	B-6-S-1'-2'-2-20230307	Solid	03/07/23 11:20	03/08/23 16:12
890-4261-10	B-7-S-1'-2-20230307	Solid	03/07/23 11:30	03/08/23 16:12
890-4261-11	B-8-S-1'-2-20230307	Solid	03/07/23 11:40	03/08/23 16:12
890-4261-12	B-9-S-1'-2-20230307	Solid	03/07/23 11:50	03/08/23 16:12
890-4261-13	B-10-S-1'-20230307	Solid	03/07/23 12:00	03/08/23 16:12
890-4261-14	B-11-S-1'-20230307	Solid	03/07/23 12:10	03/08/23 16:12
890-4261-15	B-12-S-1'-20230307	Solid	03/07/23 12:50	03/08/23 16:12
890-4261-16	B-13-S-1'-20230307	Solid	03/07/23 13:00	03/08/23 16:12
890-4261-17	B-14-S-1'-20230307	Solid	03/07/23 13:10	03/08/23 16:12
890-4261-18	B-15-S-1'-20230307	Solid	03/07/23 13:20	03/08/23 16:12
890-4261-19	B-16-S-1'-20230307	Solid	03/07/23 13:30	03/08/23 16:12
890-4261-20	B-17-S-1'-20230307	Solid	03/07/23 13:40	03/08/23 16:12
890-4261-21	B-18-S-1'-20230307	Solid	03/07/23 13:50	03/08/23 16:12
890-4261-22	B-19-S-1'-20230307	Solid	03/07/23 14:00	03/08/23 16:12
890-4261-23	B-20-S-1'-20230307	Solid	03/07/23 14:10	03/08/23 16:12
890-4261-24	B-21-S-1'-20230307	Solid	03/07/23 14:20	03/08/23 16:12

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Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Phone (432) 704-5440

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Daniel McGee	Lab PM: Builes, John	Carrier Tracking No(s):	COC No: 880-5082-625.1
Client Contact: Justin Nixon	Phone: 432-999-7980	E-Mail: John.Builes@et.eurofinsus.com	State of Origin: NM	Page: Page 1 of 3
Company: ARCADIS U.S., Inc.	PWSID:			Job #:
Address: 1004 North Big Spring Suite 300	Due Date Requested:			
City: Midland	TAT Requested (days): 3 Day 24 HR Rush			
State, Zip: TX, 79701	Compliance Project: Δ Yes Δ No			
Phone: 432-296-9547(Tel)	PO #: Purchase Order Requested			
Email: Justin.Nixon@arcadis.com	WO #:			
Project Name: Chevron Old Indian Draw Gathering Line	Project #: 88001631			
Site: Eddy County	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

890-4261 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D, 8015MOD_NM, 8021B, MOISTURE, 2540C	Total Number of con	Special Instructions/Note:
			Preservation Code:				N		
SW-1-S-0-2'-20230307	3-7-23	1000	C	Solid			X	1	
SW-2-S-0-1'-20230307		1010		Solid			X	1	
SW-3-S-0-2'-20230307		1020		Solid			X	1	
B-1-S-2'-20230307		1030		Solid			X	1	
B-2-S-2'-20230307		1040		Solid			X	1	
B-3-S-2'-20230307		1050		Solid			X	1	
B-4-S-2'-20230307		1100		Solid			X	1	
B-5-S-1'-2'-20230307		1110		Solid			X	1	
B-6-S-1'-2'-20230307		1120		Solid			X	1	
~~B-7-S-1'-20230307~~		1130		Solid			X	1	
B-8-S-1'-20230307	3-7-23	1140	C	Solid			X	1	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
	[signature]	3-8-23 1110	Arcadis	[signature]	3-8-23 1612	
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 4.2/4.0 -0.2 TAM-007

Ver: 01/16/2019

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Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Phone (432) 704-5440

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Daniel McGee	Lab PM: Builes, John	Carrier Tracking No(s):	COC No: 880-5082-625.2
Client Contact: Justin Nixon	Phone: 432-999-7980	E-Mail: John.Builes@et.eurofinsus.com	State of Origin: N.M	Page: Page ~~2 of 3~~ 2 of 3
Company: ARCADIS U.S., Inc.	PWSID:			Job #:
Address: 1004 North Big Spring Suite 300	Due Date Requested:			
City: Midland	TAT Requested (days): ~~3 Day~~ 24 HR Rush			
State, Zip: TX, 79701	Compliance Project: Δ Yes Δ No			
Phone: 432-296-9547(Tel)	PO #: Purchase Order Requested			
Email: Justin.Nixon@arcadis.com	WO #:			
Project Name: Chevron Old Indian Draw Gathering Line	Project #: 88001631			
Site: Eddy County	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D, 8015MOD_NM, 8021B, MOISTURE, 2540G	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
B-9-S-1'-20230307	3-7-23	1150	C	Solid			X	1	
~~PM~~ B-10-S-1'-20230307		1200		Solid			X	1	
B-11-S-1'-20230307		1210		Solid			X	1	
B-12-S-1'-20230307		~~PM 1230~~ 1250		Solid			X	1	
B-13-S-1'-20230307		~~PM 1230~~ 1240		Solid			X	1	
B-14-S-1'-20230307		~~PM 1230~~ 1240		Solid			X	1	
B-15-S-1'-20230307		1320		Solid			X	1	
B-16-S-1'-20230307		1330		Solid			X	1	
B-17-S-1'-20230307		1340		Solid			X	1	
B-18-S-1'-20230307		1350		Solid			X	1	
B-19-S-1'-20230307	3-7-23	1400	C	Solid			X	1	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	[signature]	3-8-23 1610	Arcadis	[signature]	3-8-23 1612	
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: RSN

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Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Phone (432) 704-5440

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Daniel McGee	Lab PM: Builes, John	Carrier Tracking No(s):	COC No: 880-5082-625.3
Client Contact: Justin Nixon	Phone: (432-999-2980	E-Mail: John.Builes@et.eurofinsus.com	State of Origin: N.M	Page: Page 3 ~~of 0~~ of 3
Company: ARCADIS U.S., Inc.	PWSID:	Analysis Requested		Job #:
Address: 1004 North Big Spring Suite 300	Due Date Requested:			Preservation Codes:
City: Midland	TAT Requested (days): ~~3 Day~~ 24 HR Rush			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
State, Zip: TX, 79701	Compliance Project: Δ Yes Δ No			
Phone: 432-296-9547(Tel)	PO #: Purchase Order Requested			Other:
Email: Justin.Nixon@arcadis.com	WO #:			
Project Name: Chevron Old Indian Draw Gathering Line	Project #: 88001631			
Site: Eddy County	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D, 8015MOD_NM, 8021B, ~~MOISTURE~~	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
B-20-S-1'-20230307	3-7-23	1410	C	Solid			X	1	
B-21-S-1'-20230307	3-7-23	1420	C	Solid			X	1	
				Solid					
				Solid					
				Solid					
				Solid					
				Solid					
				Solid					
				Solid					
				Solid					
				Solid					

Rel 3-8-23

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:				
Relinquished by:	Date/Time: 3-8-23 1610	Company: Arcadis	Received by: Amanda Stuff	Date/Time: 3-8-23 1612	Company		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		PG

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Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 890-4261-1
SDG Number: 88001631

Login Number: 4261
List Number: 1
Creator: Stutzman, Amanda

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	Refer to job narrative
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	N/A	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 890-4261-1
SDG Number: 88001631

Login Number: 4261
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 03/10/23 10:53 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	True	

Arcadis U.S., Inc.
10205 Westheimer Road, Suite 800
Houston
Texas 77042
Phone: 713 953 4800
Fax: 713 977 4620
www.arcadis.com

From: Wells, Shelly, EMNRD
To: Barnhill, Amy
Cc: Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD
Subject: [**EXTERNAL**] RE: [EXTERNAL] Samling Notice Variances
Date: Monday, April 15, 2024 11:03:05 AM

Be aware this external email contains an attachment and/or link.
Ensure the email and contents are expected. If there are concerns, please submit suspicious messages to the Cyber Intelligence Center using the Report Phishing button.

Good morning Amy,

For the incidents below you may submit your remediation closure reports at this time. Please note going forward that pursuant to 19.15.29.12(D)1(a) NMAC any closure samples submitted without the two business day notice is subject to rejection.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Barnhill, Amy <ABarnhill@chevron.com>
Sent: Sunday, April 14, 2024 4:59 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Subject: [EXTERNAL] Samling Notice Variances

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Hello Nelson and Shelly,

Chevron has been working on some older spills and completed all the final sampling events before the 12-1-23 changes. Therefore, we were unable to add sampling notices to the website before we completed the final sampling event. I am asking for permission to submit these reports without the final sampling notifications. Please let me know how to proceed.

NKMW1105550129

NMLB1226438559
NJMW1334440905 – already submitted
NAB14339536440
NCLB0525655219
NCLB0425654437
NAB1802537084 – already submitted
NAB1727056966
NAB1803756772
NAPP2313723174

Thank you,
Amy Barnhill
Environmental Specialist 2
Tel +1 432 687 7108
Mobile +1 432 940 8524
ABarnhill@chevron.com

Mid-Continent Business Unit
Chevron North America Exploration and Production Company

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
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Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 344097

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 344097
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nCLB0525655219**
Incident Name	**NCLB0525655219 OLD INDIAN DRAW GATERHING LINE @ 0**
Incident Type	**Oil Release**
Incident Status	**Reclamation Report Received**
Incident Facility	**[fCLB0525651320] CHESAPEAKE OLD INDIAN DRAW GATERHING LINE**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	OLD INDIAN DRAW GATERHING LINE
Date Release Discovered	09/06/2005
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Equipment Failure | Flow Line - Production | Produced Water | Released: 30 BBL | Recovered: 6 BBL | Lost: 24 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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State of New Mexico
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QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 344097
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 05/14/2024

District I
1625 N. French Dr., Hobbs, NM 88240
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QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 344097
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	Yes
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 500 and 1000 (ft.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	2210
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	58
GRO+DRO (EPA SW-846 Method 8015M)	46
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	03/08/2023
On what date will (or did) the final sampling or liner inspection occur	03/20/2023
On what date will (or was) the remediation complete(d)	09/20/2023
What is the estimated surface area (in square feet) that will be reclaimed	1500
What is the estimated volume (in cubic yards) that will be reclaimed	480
What is the estimated surface area (in square feet) that will be remediated	4200
What is the estimated volume (in cubic yards) that will be remediated	480
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 344097
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 05/14/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 344097
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 344097
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**344083**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**03/20/2023**
What was the (estimated) number of samples that were to be gathered	**24**
What was the sampling surface area in square feet	**4200**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	4200
What was the total volume (cubic yards) remediated	480
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	1500
What was the total volume (in cubic yards) reclaimed	480
Summarize any additional remediation activities not included by answers (above)	"Analytical results associated with recent remediation activities conducted in 2023 indicate that the horizontal and vertical extent of chloride, TPH, and BTEX impact in soil above NMAC screening standards for a site with depth the groundwater less than 50 feet bgs have been delineated both horizontally and vertically, and excavated from the impacted area based on the approved variance. "

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 05/14/2024

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QUESTIONS (continued)

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	Action Number: 344097
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QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	1500
What was the total volume of replacement material (in cubic yards) for this site	480
Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	09/20/2023
Summarize any additional reclamation activities not included by answers (above)	Upon receiving laboratory analytical results from the excavation confirmation soil samples confirming impacted soil over the applicable restoration closure limits had been removed laterally and excavated to the extent possible vertically down to the base rock layer, the lined excavated area was backfilled with locally sourced, non-impacted "like" material placed at or near the original relative positions. The affected area was contoured and compacted to achieve erosion control, stability, and preservation of surface water flow to the extent practicable. The excavated area within the affected pasture was topped with a topsoil similar to native surrounding pasture material and reseeded with a BLM-approved seed mixture on September 20, 2023. The lined excavated area within the lease road area was backfilled and reconstructed as a lease road.
The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 05/14/2024

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QUESTIONS (continued)

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	Action Number: 344097
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.	
Requesting a restoration complete approval with this submission	No
Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.	

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CONDITIONS

Action 344097

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
nvelez	None	6/3/2024