



Chevron U.S.A., Inc.

# 2023 Remediation Summary and Soil Closure Request Report

**Old Indian Gathering Line Southern Area**

**Incident ID# NCLB0525654437**

February 2024

2023 Remediation Summary and Soil Closure Request Report

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2023 Remediation Summary and Soil Closure Request Report

Contents

1 Introduction ..... 1

2 Project Summary ..... 1

3 Soil and Groundwater Assessment Summary ..... 1

4 Closure Criteria for Soils Impacted by a Release ..... 2

5 Remediation Activities Summary..... 3

    5.1 Soil Removal ..... 3

    5.2 Variance Request Submittal ..... 3

    5.3 Excavation Confirmation Sampling Activities ..... 3

    5.4 Chloride ..... 4

    5.5 TPH..... 4

    5.6 BTEX ..... 4

    5.7 Soil Amendments and Liner Installation ..... 4

6 Restoration, Reclamation, and Re-Vegetation Plan..... 4

7 Summary ..... 5

8 Soil Closure Request..... 5

Tables

Table 1     Soil Analytical Results

Figures

- Figure 1     Site Location Map
- Figure 2     Excavation Sidewall Soil Sample Locations
- Figure 3     Excavation Base Soil Sample Locations

## 2023 Remediation Summary and Soil Closure Request Report

# Appendices

**Appendix A** Initial C-141 Form Incident # NCLB0525654437

**Appendix B** Final C-141 Form Incident # NCLB0525654437

**Appendix C** Approved Variance

**Appendix D** 2023 Soil Remediation Photographic Log

**Appendix E** Laboratory Analytical Reports

## 2023 Remediation Summary and Soil Closure Request Report

## 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 Southern 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 June 24, 2005, an equipment failure caused a release of approximately 15 barrels (bbls) of crude oil and 35 bbls of produced water, of which 13 bbls of crude oil and 32 bbls of produced water were recovered. 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 NCLB0525654437. 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 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 2,470 in S-3 at 5 feet bgs.

Larson returned to the Site on March 10, 2022, to continue vertical delineation activities utilizing air rotary drilling methods at 2 of the previously drilled locations (S-1 and S-2). Soil samples collected previously from this location were reported above the NMOCD regulatory limit of 600 mg/kg for chloride at a depth of approximately 10 feet bgs. The 2 subsequent borings were installed to approximately 15 feet bgs. Analytical results indicated chloride concentrations ranged from 107 mg/kg in S-1 to 180 mg/kg in S-2 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 13 soil samples (L-9 through L-21) at depths of approximately six inches bgs. Only 1 soil sample (L-18) from that assessment was reported above the applicable New Mexico

## 2023 Remediation Summary and Soil Closure Request Report

Administration Code (NMAC) screening level for chloride at a concentration of 612 mg/kg. Evaluation of soil data collected to date confirmed horizontal and vertical delineation of the southern 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.

## 2023 Remediation Summary and Soil Closure Request Report

## 5 Remediation Activities Summary

### 5.1 Soil Removal

Soil remediation activities (excavation) were performed by Arcadis and eTECH Environmental and Safety (eTECH) from March 8 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 7,600 square foot area along the lease road. Excavation activities were conducted to a maximum depth of approximately 1-foot 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 9, 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 thirty-eight composite base samples (B-22 through B-59) and four composite sidewall samples (SW-4 through SW-7). All composite samples were collected at intervals to maintain an approximate 200 square foot sample space or less.

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 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

## 2023 Remediation Summary and Soil Closure Request Report

base composite confirmation sample locations are depicted on **Figure 3**. Laboratory analytical reports are included in **Appendix E**.

### 5.4 Chloride

16 of the 38 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 602 mg/kg to 2,190 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.

## 2023 Remediation Summary and Soil Closure Request Report

## 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 Southern Area Site for Incident ID number NCLB0525654437. The Final C-141 Form is included as **Appendix B**.

# Tables



Table 1  
2023 Soil Analytical Results  
Old Indian Draw Gathering Line Southern  
Incident No NCLB0525654437  
Chevron U.S.A., Inc.  
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 Limits |              |                |                      |             | 10            | --            | --                 | --                   | 50               | --                                         | --                                         | --                                      | 100             | 600                       |
| B-22                  | 1            | 03/09/2023     | B-22-S-1'-20230309   | In-Situ     | 0.000468J     | <0.000455     | <0.000564          | <0.00101             | <0.00101         | 36.0J B                                    | 27.7J B                                    | <15.0                                   | 63.7            | 238B                      |
| B-23                  | 1            | 03/09/2023     | B-23-S-1'-20230309   | In-Situ     | <0.000381     | <0.000451     | <0.000559          | <0.00100             | <0.00100         | 24.6J B                                    | 43.4J B                                    | 17.6J                                   | 85.6            | <b>700B</b>               |
| B-24                  | 1            | 03/09/2023     | B-24-S-1'-20230309   | In-Situ     | <0.000384     | <0.000455     | <0.000564          | <0.00101             | <0.00101         | 17.7J F2                                   | <15.0                                      | <15.0                                   | 17.7J           | 208B                      |
| B-25                  | 1            | 03/09/2023     | B-25-S-1'-20230309   | In-Situ     | <0.000387     | <0.000459     | <0.000568          | <0.00102             | <0.00102         | 41.4J                                      | 15.7J                                      | <15.0                                   | 57.1            | 342B                      |
| B-26                  | 1            | 03/09/2023     | B-26-S-1'-20230309   | In-Situ     | <0.000389     | <0.000461     | <0.000571          | <0.00102             | <0.00102         | <15.0                                      | <15.0                                      | <15.0                                   | <15.0           | 202B                      |
| B-27                  | 1            | 03/09/2023     | B-27-S-1'-20230309   | In-Situ     | <0.000383     | <0.000454     | <0.000563          | <0.00101             | <0.00101         | 18.7J                                      | <15.0                                      | <15.0                                   | 18.7J           | 142B                      |
| B-28                  | 1            | 03/09/2023     | B-28-S-1'-20230309   | In-Situ     | 0.00184J      | <0.000453     | 0.00156J           | 0.00422              | 0.00762          | 30.0J                                      | <15.0                                      | <15.0                                   | 30.0J           | 133B F1                   |
| B-29                  | 1            | 03/09/2023     | B-29-S-1'-20230309   | In-Situ     | 0.000766J     | <0.000455     | 0.000640J          | 0.00194J             | 0.00335J         | 19.9J                                      | 15.0J                                      | <15.0                                   | 34.9J           | 462B                      |
| B-30                  | 1            | 03/09/2023     | B-30-S-1'-20230309   | In-Situ     | <0.000386     | <0.000457     | <0.000566          | <0.00101             | <0.00101         | 26.1J                                      | 37.5J                                      | <15.0                                   | 63.6            | 212B                      |
| B-31                  | 1            | 03/09/2023     | B-31-S-1'-20230309   | In-Situ     | <0.000384     | <0.000455     | <0.000564          | <0.00101             | <0.00101         | <15.0                                      | <15.0                                      | <15.0                                   | <15.0           | 118B                      |
| B-32                  | 1            | 03/09/2023     | B-32-S-1'-20230309   | In-Situ     | 0.000530J     | <0.000459     | <0.000568          | <0.00102             | <0.00102         | <15.0                                      | 31.2J                                      | <15.0                                   | 31.2J           | <b>1090B</b>              |
| B-33                  | 1            | 03/09/2023     | B-33-S-1'-20230309   | In-Situ     | <0.000389     | <0.000461     | <0.000571          | <0.00102             | <0.00102         | <15.0                                      | 21.7J                                      | <15.0                                   | 21.7J           | 481B                      |
| B-34                  | 1            | 03/09/2023     | B-34-S-1'-20230309   | In-Situ     | <0.000383     | <0.000454     | <0.000563          | <0.00101             | <0.00101         | <15.0                                      | 17.4J                                      | <15.0                                   | 17.4J           | <b>830B</b>               |
| B-35                  | 1            | 03/09/2023     | B-35-S-1'-20230309   | In-Situ     | <0.000383     | <0.000453     | <0.000562          | <0.00100             | <0.00100         | 16.8J                                      | 28.0J                                      | <15.0                                   | 44.8J           | 118B                      |
| B-36                  | 1            | 03/09/2023     | B-36-S-1'-20230309   | In-Situ     | <0.000384     | <0.000455     | <0.000564          | <0.00101             | <0.00101         | <15.0                                      | 37.6J                                      | 16.1J                                   | 53.7            | 198B                      |
| B-37                  | 1            | 03/09/2023     | B-37-S-1'-20230309   | In-Situ     | 0.000450J     | <0.000459     | <0.000568          | <0.00102             | <0.00102         | <15.0                                      | 21.6J                                      | <15.0                                   | 21.6J           | <b>1450B</b>              |
| B-38                  | 1            | 03/09/2023     | B-38-S-1'-20230309   | In-Situ     | <0.000388     | <0.000460     | <0.000570          | <0.00102             | <0.00102         | 16.5J                                      | <15.0                                      | <15.0                                   | 16.5J           | <b>1620B F1</b>           |
| B-39                  | 1            | 03/09/2023     | B-39-S-1'-20230309   | In-Situ     | <0.000383     | <0.000454     | 0.000577J          | <0.00101             | 0.00148J         | 18.0J                                      | <15.0                                      | <15.0                                   | 18.0J           | <b>2190B</b>              |
| B-40                  | 1            | 03/09/2023     | B-40-S-1'-20230309   | In-Situ     | <0.000383     | <0.000453     | <0.000562          | <0.00100             | <0.00100         | <15.0                                      | <15.0                                      | <15.0                                   | <15.0           | <b>1360B</b>              |
| B-41                  | 1            | 03/09/2023     | B-41-S-1'-20230309   | In-Situ     | <0.000384     | <0.000455     | <0.000564          | <0.00101             | <0.00101         | <15.0                                      | <15.0                                      | <15.0                                   | <15.0           | 289B                      |
| B-42                  | 1            | 03/09/2023     | B-42-S-1'-20230309   | In-Situ     | <0.000386     | <0.000457     | <0.000566          | <0.00101             | <0.00101         | <15.0                                      | <15.0                                      | <15.0                                   | <15.0           | <b>985B</b>               |
| B-43                  | 1            | 03/09/2023     | B-43-S-1'-20230309   | In-Situ     | 0.000837J     | <0.000454     | 0.00265            | 0.00370J             | 0.00719          | <15.0                                      | <15.0                                      | <15.0                                   | <15.0           | <b>918B</b>               |
| B-44                  | 1            | 03/09/2023     | B-44-S-1'-20230309   | In-Situ     | <0.000383     | <0.000453     | <0.000562          | <0.00100             | <0.00100         | 20.3J B *                                  | <15.0                                      | <15.0                                   | 20.3J           | 129B                      |
| B-45                  | 1            | 03/09/2023     | B-45-S-1'-20230309   | In-Situ     | <0.000384     | <0.000455     | <0.000564          | <0.00101             | <0.00101         | 22.7J B *                                  | <15.0                                      | <15.0                                   | 22.7J           | 298B                      |
| B-46                  | 1            | 03/09/2023     | B-46-S-1'-20230309   | In-Situ     | <0.000387     | <0.000459     | <0.000568          | <0.00102             | <0.00102         | 26.0J B *                                  | <15.0                                      | <15.0                                   | 26.0J           | 213B                      |
| B-47                  | 1            | 03/09/2023     | B-47-S-1'-20230309   | In-Situ     | <0.000387     | <0.000458     | <0.000567          | <0.00101             | <0.00101         | 24.0J B *                                  | <15.0                                      | <15.0                                   | 24.0J           | <b>674B</b>               |
| B-48                  | 1            | 03/09/2023     | B-48-S-1'-20230309   | In-Situ     | <0.000383     | <0.000454     | <0.000563          | <0.00101             | <0.00101         | 25.5J B *                                  | <15.0                                      | <15.0                                   | 25.5J           | <b>755B</b>               |
| B-49                  | 1            | 03/09/2023     | B-49-S-1'-20230309   | In-Situ     | <0.000384     | <0.000455     | <0.000564          | <0.00101             | <0.00101         | 41.7J B *                                  | <15.0                                      | <15.0                                   | 41.7J           | 357B                      |
| B-50                  | 1            | 03/09/2023     | B-50-S-1'-20230309   | In-Situ     | <0.000383     | <0.000454     | <0.000563          | <0.00101             | <0.00101         | 23.1J B *                                  | <15.0                                      | <15.0                                   | 23.1J           | <b>1040B</b>              |
| B-51                  | 1            | 03/09/2023     | B-51-S-1'-20230309   | In-Situ     | <0.000381     | <0.000451     | <0.000559          | <0.00100             | <0.00100         | 27.6J B *                                  | <15.0                                      | <15.0                                   | 27.6J           | 272B                      |
| B-52                  | 1            | 03/09/2023     | B-52-S-1'-20230309   | In-Situ     | <0.000386     | <0.000457     | <0.000566          | <0.00101             | <0.00101         | 25.7J B *                                  | <15.0                                      | <15.0                                   | 25.7J           | 168B                      |
| B-53                  | 1            | 03/09/2023     | B-53-S-1'-20230309   | In-Situ     | <0.000384     | <0.000455     | <0.000564          | <0.00101             | <0.00101         | 25.3J B *                                  | <15.0                                      | <15.0                                   | 25.3J           | <b>602B</b>               |
| B-54                  | 1            | 03/09/2023     | B-54-S-1'-20230309   | In-Situ     | <0.000383     | <0.000454     | <0.000563          | <0.00101             | <0.00101         | 29.2J B *                                  | <15.0                                      | <15.0                                   | 29.2J           | <b>814B</b>               |
| B-55                  | 1            | 03/09/2023     | B-55-S-1'-20230309   | In-Situ     | <0.000383     | <0.000453     | <0.000562          | <0.00100             | <0.00100         | 17.7J B *                                  | <15.0                                      | <15.0                                   | 17.7J           | 141B                      |
| B-56                  | 1            | 03/09/2023     | B-56-S-1'-20230309   | In-Situ     | <0.000384     | <0.000455     | <0.000564          | <0.00101             | <0.00101         | 22.2J B *                                  | <15.0                                      | <15.0                                   | 22.2J           | <b>1670B</b>              |
| B-57                  | 1            | 03/09/2023     | B-57-S-1'-20230309   | In-Situ     | 0.000448J     | 0.000716J     | 0.00139J           | 0.00207J             | 0.00462          | 24.9J B *                                  | <15.0                                      | <15.0                                   | 24.9J           | 183B                      |
| B-58                  | 1            | 03/09/2023     | B-58-S-1'-20230309   | In-Situ     | <0.000383     | <0.000453     | <0.000562          | <0.00100             | <0.00100         | 24.0J B *                                  | <15.0                                      | <15.0                                   | 24.0J           | 212                       |
| B-59                  | 1            | 03/09/2023     | B-59-S-1'-20230309   | In-Situ     | <0.000384     | <0.000455     | <0.000564          | <0.00101             | <0.00101         | 26.3J B *                                  | <15.0                                      | <15.0                                   | 26.3J           | <b>699</b>                |
| SW-4                  | 1            | 03/09/2023     | SW-4-S-0-1'-20230309 | In-Situ     | <0.00200      | <0.00200      | <0.00200           | <0.00399             | <0.00399         | 20.7                                       | 20.2                                       | <49.9                                   | 40.9            | 68.7                      |
| SW-5                  | 1            | 03/09/2023     | SW-5-S-0-1'-20230309 | In-Situ     | <0.00200      | <0.00200      | <0.00200           | <0.00399             | <0.00401         | 19.3                                       | 16.3                                       | <50.0                                   | 35.6            | 122                       |
| SW-6                  | 1            | 03/09/2023     | SW-6-S-0-1'-20230309 | In-Situ     | <0.00199      | <0.00199      | <0.00199           | <0.00398             | <0.00398         | 41.0                                       | 24.2                                       | <49.9                                   | 65.2            | 548                       |
| SW-7                  | 1            | 03/09/2023     | SW-7-S-0-1'-20230309 | In-Situ     | <0.00199      | <0.00199      | <0.00199           | <0.00398             | <0.00398         | 28.0                                       | 18.1                                       | <49.9                                   | 46.1            | 512                       |

Legend:

Analytes exceeding NMAC standards are indicated in **bold** and grey

F1: MS and/or MSD recovery exceeds control limits

814B: Compound was found in the blank and sample

'<' 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

B: Base 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

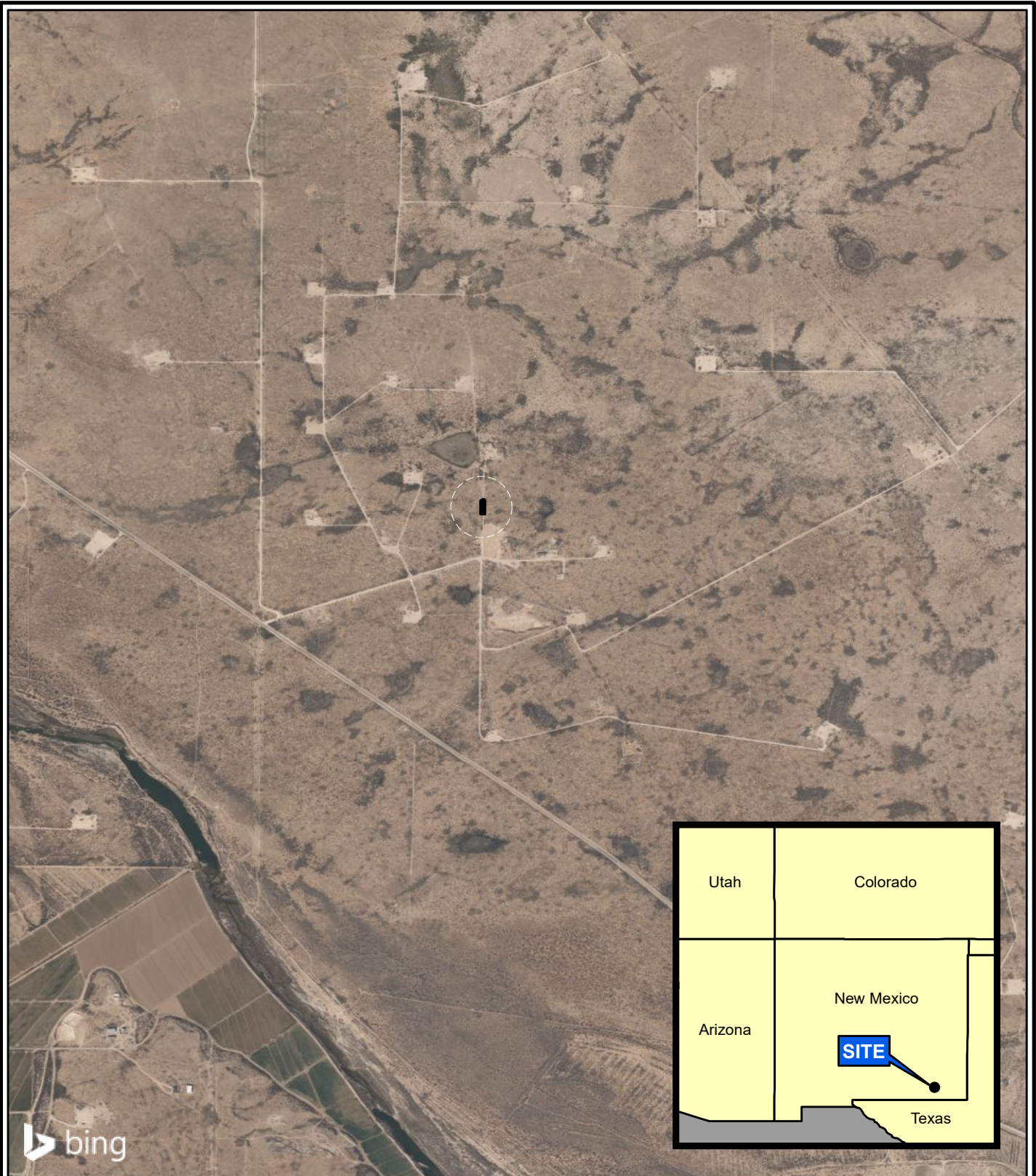
4. Closure Criteria New Mexico Administrative Code 19.15.29.12.E(2)

NMOC: New Mexico Old Conservation Division

--: No individual standard

# Figures

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\GISMXD\_Confirmation\OLD GL-S\_Fig1.mxd 3/15/2023 11:53:55 AM



NOTES:  
Datum: D\_WGS\_1984  
Source: Bing Map  
Site Location: 32.3925°, -104.1253°

0 2,000 4,000  
Feet  
GRAPHIC SCALE

**LEGEND:**

 Site Boundary

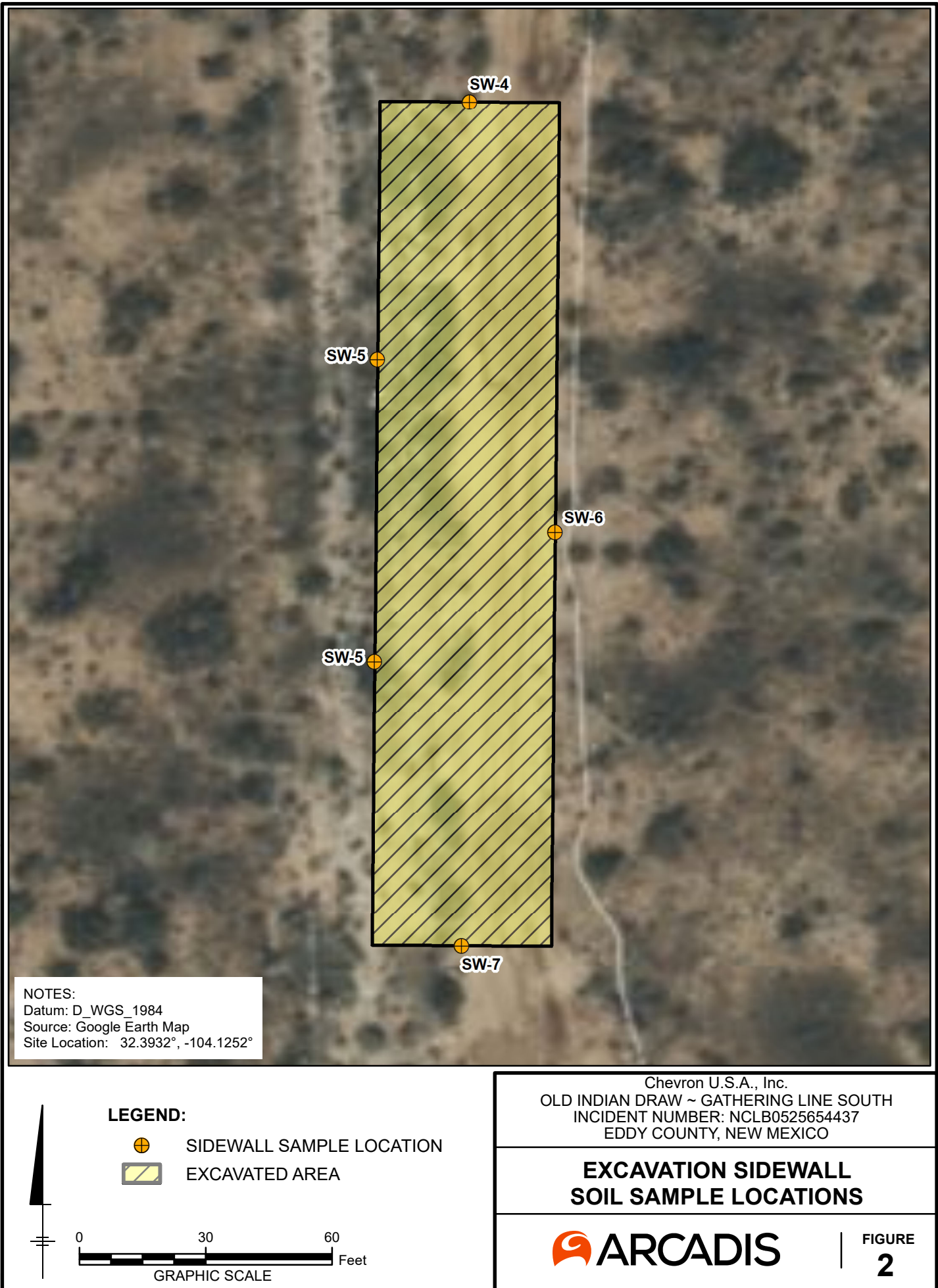
Chevron U.S.A., Inc.  
OLD INDIAN DRAW ~ GATHERING LINE SOUTH  
INCIDENT NUMBER: NCLB0525654437  
EDDY COUNTY, NEW MEXICO

**SITE LOCATION MAP**

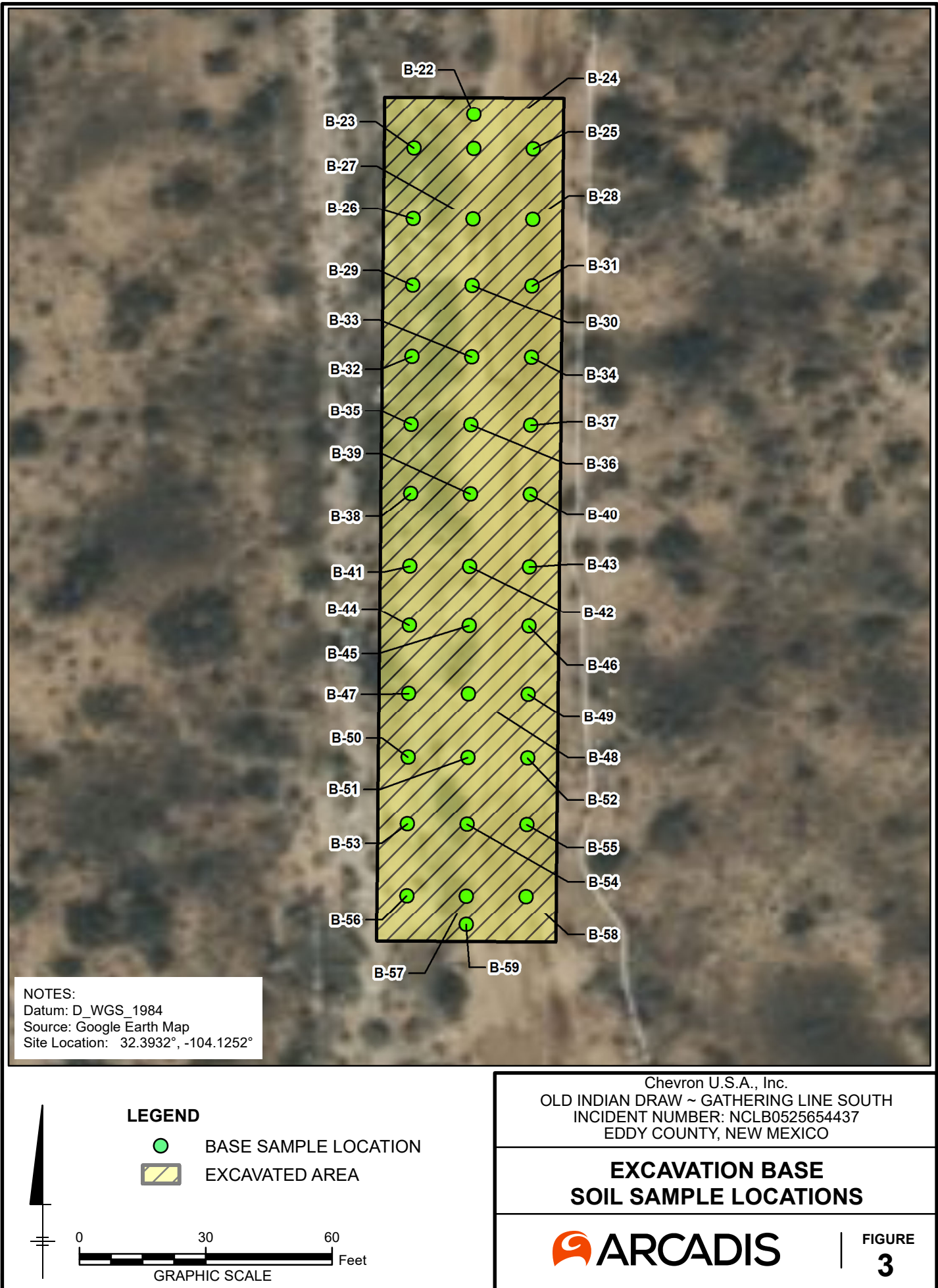


FIGURE  
**1**

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\GISMXD\_Confirmation\OID GL-S\_Fig2.mxd 7/27/2023 4:44:54 PM



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\GISMXD\_Confirmation\OID GL-S\_Fig3.mxd 7/27/2023 4:54:31 PM



# Appendix A

**Initial C-141 Form Incident # NCLB0525654437**

## NCLB0525654437 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: 06/24/2005

Extension Date: 11/15/2018

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

Closure Report Received:  
OCD Notified of Major Release: 06/24/2005  
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 | Crude Oil      | <input type="checkbox"/> | 15      | 13        | 2    | BBL   |
| Equipment Failure | Flow Line - Production | Produced Water | <input type="checkbox"/> | 35      | 32        | 3    | BBL   |

Incident Events

| Date       | Detail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 09/13/2005 | C-141: The structural integrity of the circulating line was compromised resulting in the release of approximately 50 barrels of fluid. The release area was exposed and clamps installed. Approximately 9390 square feet of surface area was impacted by the release. Saturated soil has been excavated and stockpiled on plastic on site until 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 |

| Date | Detail                                                                                                 |
|------|--------------------------------------------------------------------------------------------------------|
|      | to an approved land treatment facility with any other federal, state, or local laws and/or regulations |

# Appendix C

## Approved Variance



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

Arcadis U.S., Inc.  
10205 Westheimer Road  
Suite 800  
Houston  
Texas 77042  
Phone: 713 953 4800  
Fax: 713 977 4620  
[www.arcadis.com](http://www.arcadis.com)

Date: April 18, 2023  
Subject: Soil Remediation Work Plan/Variance Request  
Old Indian Draw Gathering Line Southern Area  
Incident# NCLB0525654437  
Eddy County, New Mexico

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

Mr. Velez  
NMOCD  
April 18, 2023

Contents

Background .....3

Initial Site Investigation.....3

Additional Field Activities Summary .....4

Remediation Activities Summary.....4

Variance Request.....5

Tables

- Table 1.        2021/2022 Soil Analytical Results
- Table 2.        2023 Soil Analytical Results
- Table 3.        2023 Groundwater Analytical Results

Figures

- Figure 1.       Site Location Map
- Figure 2.       Excavation Sidewall Soil Sample Locations
- Figure 3.       Excavation Base Soil Sample Locations

Photographic Logs

- Log 1. 2023 Soil Remediation Photographic Log

Appendices

- Appendix A.       Incident # NCLB0525654437 NMOCD Database Information
- Appendix B.       Temporary Monitoring Well Boring Log
- Appendix C.       Laboratory Analytical Reports

Mr. Velez  
NMOCD  
April 18, 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. (Chevron), for soil remediation activities at the Old Indian Draw Gathering Line Southern 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 June 24, 2005, an equipment failure caused a release of approximately 15 barrels (bbls) of crude oil and 35 bbls of produced water, of which 13 bbls of crude oil and 32 bbls of produced water were recovered. 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 NCLB0525654437. 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 2,470 mg/kg in S-3 at 5 feet bgs.

Larson returned to the Site on March 10, 2022, to continue vertical delineation activities utilizing air rotary drilling methods at 2 of the previously drilled locations (S-1 and S-2). Soil samples collected previously from this location were reported above the NMOCD regulatory limit of 600 mg/kg for chloride at a depth of approximately 10 feet bgs. The 2 subsequent borings were installed to approximately 15 feet bgs. Analytical results indicated chloride concentrations of 107 mg/kg in S-1 and 180 mg/kg in S-2 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**.

Mr. Velez  
NMOCD  
April 18, 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 13 soil samples (L-9 through L-21) at depths of approximately six inches bgs. Only 1 soil sample (L-18) from that assessment was reported above the applicable NMOCD closure criteria for chloride at a concentration of 612 mg/kg. Evaluation of soil data collected to date confirmed horizontal and vertical delineation of the southern 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 16, 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 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 southern 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 42 composite confirmation soil samples were collected.

Mr. Velez  
NMOCD  
April 18, 2023

- All sidewall composite confirmation soil samples were reported below the applicable NMAC closure 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.
- 22 of the 38 base composite confirmation soil samples were reported below the applicable NMAC closure criteria for chloride. Reported chloride concentrations above the applicable NMAC closure criteria of 600 mg/kg ranged from 602 mg/kg up to 2,190 mg/kg. No base composite confirmation soil samples were reported above the applicable NMAC closure 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 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 have 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).
- Following excavation of impacted soil affected above the NMOCD closure criteria, a layer of gypsum and/or a desalination product will be installed on the floor of the excavated area. This control is designed to inhibit the downward migration of chloride remaining in-situ.
- Arcadis requests approval to install a geosynthetic liner atop impacted areas exhibiting BTEX, TPH, and/or 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.
- Upon installing the geosynthetic liner, the excavated area will be backfilled with locally sourced, non-impacted "like" material.
- Upon completion of remediation activities, the area will be reseeded with a BLM approved seed mixture 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.

Mr. Velez  
NMOCD  
April 18, 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.

A handwritten signature in blue ink, appearing to read "Scott Foord".

Scott Foord, PG  
Program Manager

# Tables

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

Page 1 of 1

| 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) |
|---------------------------|--------------|-----------------|---------|-----------------|--------------|------------------|-------------------|-------------------|-------------|------------------|
| <b>Remediation Level:</b> |              |                 |         | <b>10</b>       | <b>50</b>    | <b>100</b>       |                   |                   |             | <b>600</b>       |
| <b>S-1</b>                | 1            | 6/14/2021       | Removed | <0.00200        | <0.00401     | <49.7            | <49.7             | <49.7             | <49.7       | 511              |
|                           | 3            | 6/14/2021       | In-Situ | <0.00201        | <0.00402     | <49.9            | <49.9             | <49.9             | <49.9       | 445              |
|                           | 5            | 6/14/2021       | In-Situ | <0.00202        | <0.00403     | <50.0            | <50.0             | <50.0             | <50.0       | <b>736</b>       |
|                           | 10           | 6/14/2021       | In-Situ | <0.00200        | <0.00401     | <49.8            | <49.8             | <49.8             | <49.8       | <b>760</b>       |
|                           | 15           | 3/10/2022       | In-Situ | --              | --           | --               | --                | --                | --          | 107              |
| <b>S-2</b>                | 1            | 6/14/2021       | Removed | <0.00200        | <0.00400     | <49.8            | <49.8             | <49.8             | <49.8       | <b>911</b>       |
|                           | 3            | 6/14/2021       | In-Situ | <0.00200        | <0.00399     | <49.7            | <49.7             | <49.7             | <49.7       | <b>1,050</b>     |
|                           | 5            | 6/14/2021       | In-Situ | <0.00199        | <0.00398     | <50.0            | <50.0             | <50.0             | <50.0       | <b>642</b>       |
|                           | 10           | 6/14/2021       | In-Situ | <0.00200        | <0.00400     | <50.0            | <50.0             | <50.0             | <50.0       | <b>808</b>       |
|                           | 15           | 3/10/2022       | In-Situ | --              | --           | --               | --                | --                | --          | 180              |
| <b>S-3</b>                | 1            | 6/15/2021       | Removed | <0.00202        | <0.00403     | <49.9            | <49.9             | <49.9             | <49.9       | 72.6             |
|                           | 3            | 6/15/2021       | In-Situ | <0.00200        | <0.00401     | <50.0            | <50.0             | <50.0             | <50.0       | 315              |
|                           | 5            | 6/15/2021       | In-Situ | <0.00200        | <0.00400     | <50.0            | <50.0             | <50.0             | <50.0       | <b>2,470</b>     |
|                           | 10           | 6/15/2021       | In-Situ | <0.00199        | <0.00398     | <49.8            | <49.8             | <49.8             | <49.8       | 418              |
| <b>S-4</b>                | 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              |
| <b>S-9</b>                | 0.5          | 6/14/2021       | In-Situ | <0.00200        | <0.00399     | <49.9            | <49.9             | <49.9             | <49.9       | 276              |
| <b>S-10</b>               | 0.5          | 6/14/2021       | In-Situ | <0.00200        | <0.00401     | <50.0            | <50.0             | <50.0             | <50.0       | 9.07             |
| <b>S-11</b>               | 0.5          | 6/14/2021       | In-Situ | <0.00201        | <0.00402     | <50.0            | <50.0             | <50.0             | <50.0       | 217              |

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 Southern  
Incident No NCLB0525654437  
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 Limits |              |                |                      |             | 10            | --            | --                 | --                   | 50               | --                                         | --                                         | --                                      | 100             | 600                       |
| L-09                  | 0.5          | 01/31/2023     | L-9-S-0-6" 20230131  | In-Situ     | --            | --            | --                 | --                   | --               | --                                         | --                                         | --                                      | --              | <4.96                     |
| L-10                  | 0.5          | 01/31/2023     | L-10-S-0-6" 20230131 | Removed     | --            | --            | --                 | --                   | --               | --                                         | --                                         | --                                      | --              | 149                       |
| L-11                  | 0.5          | 01/31/2023     | L-11-S-0-6" 20230131 | Removed     | --            | --            | --                 | --                   | --               | --                                         | --                                         | --                                      | --              | 17.2                      |
| L-12                  | 0.5          | 01/31/2023     | L-12-S-0-6" 20230131 | In-Situ     | --            | --            | --                 | --                   | --               | --                                         | --                                         | --                                      | --              | 31.3                      |
| L-13                  | 0.5          | 01/31/2023     | L-13-S-0-6" 20230131 | Removed     | --            | --            | --                 | --                   | --               | --                                         | --                                         | --                                      | --              | 211                       |
| L-14                  | 0.5          | 01/31/2023     | L-14-S-0-6" 20230131 | Removed     | --            | --            | --                 | --                   | --               | --                                         | --                                         | --                                      | --              | 571                       |
| L-15                  | 0.5          | 01/31/2023     | L-15-S-0-6" 20230131 | In-Situ     | --            | --            | --                 | --                   | --               | --                                         | --                                         | --                                      | --              | 378                       |
| L-16                  | 0.5          | 01/31/2023     | L-16-S-0-6" 20230131 | Removed     | --            | --            | --                 | --                   | --               | --                                         | --                                         | --                                      | --              | 15.9                      |
| L-17                  | 0.5          | 01/31/2023     | L-17-S-0-6" 20230131 | Removed     | --            | --            | --                 | --                   | --               | --                                         | --                                         | --                                      | --              | 27.2                      |
| L-18                  | 0.5          | 01/31/2023     | L-18-S-0-6" 20230131 | Removed     | --            | --            | --                 | --                   | --               | --                                         | --                                         | --                                      | --              | <b>612</b>                |
| L-19                  | 0.5          | 01/31/2023     | L-19-S-0-6" 20230131 | In-Situ     | --            | --            | --                 | --                   | --               | --                                         | --                                         | --                                      | --              | 232                       |
| L-20                  | 0.5          | 01/31/2023     | L-20-S-0-6" 20230131 | In-Situ     | --            | --            | --                 | --                   | --               | --                                         | --                                         | --                                      | --              | 121                       |
| L-21                  | 0.5          | 01/31/2023     | L-21-S-0-6" 20230131 | In-Situ     | --            | --            | --                 | --                   | --               | --                                         | --                                         | --                                      | --              | <4.99                     |
| B-22                  | 1            | 03/09/2023     | B-22-S-1'-20230309   | In-Situ     | 0.000468J     | <0.000455     | <0.000564          | <0.00101             | <0.00101         | 36.0J B                                    | 27.7J B                                    | <15.0                                   | 63.7            | 238B                      |
| B-23                  | 1            | 03/09/2023     | B-23-S-1'-20230309   | In-Situ     | <0.000381     | <0.000451     | <0.000559          | <0.00100             | <0.00100         | 24.6J B                                    | 43.4J B                                    | 17.6J                                   | 85.6            | <b>700B</b>               |
| B-24                  | 1            | 03/09/2023     | B-24-S-1'-20230309   | In-Situ     | <0.000384     | <0.000455     | <0.000564          | <0.00101             | <0.00101         | 17.7J F2                                   | <15.0                                      | <15.0                                   | 17.7J           | 208B                      |
| B-25                  | 1            | 03/09/2023     | B-25-S-1'-20230309   | In-Situ     | <0.000387     | <0.000459     | <0.000568          | <0.00102             | <0.00102         | 41.4J                                      | 15.7J                                      | <15.0                                   | 57.1            | 342B                      |
| B-26                  | 1            | 03/09/2023     | B-26-S-1'-20230309   | In-Situ     | <0.000389     | <0.000461     | <0.000571          | <0.00102             | <0.00102         | <15.0                                      | <15.0                                      | <15.0                                   | <15.0           | 202B                      |
| B-27                  | 1            | 03/09/2023     | B-27-S-1'-20230309   | In-Situ     | <0.000383     | <0.000454     | <0.000563          | <0.00101             | <0.00101         | 18.7J                                      | <15.0                                      | <15.0                                   | 18.7J           | 142B                      |
| B-28                  | 1            | 03/09/2023     | B-28-S-1'-20230309   | In-Situ     | 0.00184J      | <0.000453     | 0.00156J           | 0.00422              | 0.00762          | 30.0J                                      | <15.0                                      | <15.0                                   | 30.0J           | 133B F1                   |
| B-29                  | 1            | 03/09/2023     | B-29-S-1'-20230309   | In-Situ     | 0.000766J     | <0.000455     | 0.000640J          | 0.00194J             | 0.00335J         | 19.9J                                      | 15.0J                                      | <15.0                                   | 34.9J           | 462B                      |
| B-30                  | 1            | 03/09/2023     | B-30-S-1'-20230309   | In-Situ     | <0.000386     | <0.000457     | <0.000566          | <0.00101             | <0.00101         | 26.1J                                      | 37.5J                                      | <15.0                                   | 63.6            | 212B                      |
| B-31                  | 1            | 03/09/2023     | B-31-S-1'-20230309   | In-Situ     | <0.000384     | <0.000455     | <0.000564          | <0.00101             | <0.00101         | <15.0                                      | <15.0                                      | <15.0                                   | <15.0           | 118B                      |
| B-32                  | 1            | 03/09/2023     | B-32-S-1'-20230309   | In-Situ     | 0.000530J     | <0.000459     | <0.000568          | <0.00102             | <0.00102         | <15.0                                      | 31.2J                                      | <15.0                                   | 31.2J           | <b>1090B</b>              |
| B-33                  | 1            | 03/09/2023     | B-33-S-1'-20230309   | In-Situ     | <0.000389     | <0.000461     | <0.000571          | <0.00102             | <0.00102         | <15.0                                      | 21.7J                                      | <15.0                                   | 21.7J           | 481B                      |
| B-34                  | 1            | 03/09/2023     | B-34-S-1'-20230309   | In-Situ     | <0.000383     | <0.000454     | <0.000563          | <0.00101             | <0.00101         | <15.0                                      | 17.4J                                      | <15.0                                   | 17.4J           | <b>830B</b>               |
| B-35                  | 1            | 03/09/2023     | B-35-S-1'-20230309   | In-Situ     | <0.000383     | <0.000453     | <0.000562          | <0.00100             | <0.00100         | 16.8J                                      | 28.0J                                      | <15.0                                   | 44.8J           | 118B                      |
| B-36                  | 1            | 03/09/2023     | B-36-S-1'-20230309   | In-Situ     | <0.000384     | <0.000455     | <0.000564          | <0.00101             | <0.00101         | <15.0                                      | 37.6J                                      | 16.1J                                   | 53.7            | 198B                      |
| B-37                  | 1            | 03/09/2023     | B-37-S-1'-20230309   | In-Situ     | 0.000450J     | <0.000459     | <0.000568          | <0.00102             | <0.00102         | <15.0                                      | 21.6J                                      | <15.0                                   | 21.6J           | <b>1450B</b>              |
| B-38                  | 1            | 03/09/2023     | B-38-S-1'-20230309   | In-Situ     | <0.000388     | <0.000460     | <0.000570          | <0.00102             | <0.00102         | 16.5J                                      | <15.0                                      | <15.0                                   | 16.5J           | <b>1620B F1</b>           |
| B-39                  | 1            | 03/09/2023     | B-39-S-1'-20230309   | In-Situ     | <0.000383     | <0.000454     | 0.000577J          | <0.00101             | 0.00148J         | 18.0J                                      | <15.0                                      | <15.0                                   | 18.0J           | <b>2190B</b>              |
| B-40                  | 1            | 03/09/2023     | B-40-S-1'-20230309   | In-Situ     | <0.000383     | <0.000453     | <0.000562          | <0.00100             | <0.00100         | <15.0                                      | <15.0                                      | <15.0                                   | <15.0           | <b>1360B</b>              |
| B-41                  | 1            | 03/09/2023     | B-41-S-1'-20230309   | In-Situ     | <0.000384     | <0.000455     | <0.000564          | <0.00101             | <0.00101         | <15.0                                      | <15.0                                      | <15.0                                   | <15.0           | 289B                      |
| B-42                  | 1            | 03/09/2023     | B-42-S-1'-20230309   | In-Situ     | <0.000386     | <0.000457     | <0.000566          | <0.00101             | <0.00101         | <15.0                                      | <15.0                                      | <15.0                                   | <15.0           | <b>985B</b>               |
| B-43                  | 1            | 03/09/2023     | B-43-S-1'-20230309   | In-Situ     | 0.000837J     | <0.000454     | 0.00265            | 0.00370J             | 0.00719          | <15.0                                      | <15.0                                      | <15.0                                   | <15.0           | <b>918B</b>               |
| B-44                  | 1            | 03/09/2023     | B-44-S-1'-20230309   | In-Situ     | <0.000383     | <0.000453     | <0.000562          | <0.00100             | <0.00100         | 20.3J B *                                  | <15.0                                      | <15.0                                   | 20.3J           | 129B                      |
| B-45                  | 1            | 03/09/2023     | B-45-S-1'-20230309   | In-Situ     | <0.000384     | <0.000455     | <0.000564          | <0.00101             | <0.00101         | 22.7J B *                                  | <15.0                                      | <15.0                                   | 22.7J           | 298B                      |
| B-46                  | 1            | 03/09/2023     | B-46-S-1'-20230309   | In-Situ     | <0.000387     | <0.000459     | <0.000568          | <0.00102             | <0.00102         | 26.0J B *                                  | <15.0                                      | <15.0                                   | 26.0J           | 213B                      |
| B-47                  | 1            | 03/09/2023     | B-47-S-1'-20230309   | In-Situ     | <0.000387     | <0.000458     | <0.000567          | <0.00101             | <0.00101         | 24.0J B *                                  | <15.0                                      | <15.0                                   | 24.0J           | <b>674B</b>               |
| B-48                  | 1            | 03/09/2023     | B-48-S-1'-20230309   | In-Situ     | <0.000383     | <0.000454     | <0.000563          | <0.00101             | <0.00101         | 25.5J B *                                  | <15.0                                      | <15.0                                   | 25.5J           | <b>755B</b>               |
| B-49                  | 1            | 03/09/2023     | B-49-S-1'-20230309   | In-Situ     | <0.000384     | <0.000455     | <0.000564          | <0.00101             | <0.00101         | 41.7J B *                                  | <15.0                                      | <15.0                                   | 41.7J           | 357B                      |
| B-50                  | 1            | 03/09/2023     | B-50-S-1'-20230309   | In-Situ     | <0.000383     | <0.000454     | <0.000563          | <0.00101             | <0.00101         | 23.1J B *                                  | <15.0                                      | <15.0                                   | 23.1J           | <b>1040B</b>              |
| B-51                  | 1            | 03/09/2023     | B-51-S-1'-20230309   | In-Situ     | <0.000381     | <0.000451     | <0.000559          | <0.00100             | <0.00100         | 27.6J B *                                  | <15.0                                      | <15.0                                   | 27.6J           | 272B                      |
| B-52                  | 1            | 03/09/2023     | B-52-S-1'-20230309   | In-Situ     | <0.000386     | <0.000457     | <0.000566          | <0.00101             | <0.00101         | 25.7J B *                                  | <15.0                                      | <15.0                                   | 25.7J           | 168B                      |
| B-53                  | 1            | 03/09/2023     | B-53-S-1'-20230309   | In-Situ     | <0.000384     | <0.000455     | <0.000564          | <0.00101             | <0.00101         | 25.3J B *                                  | <15.0                                      | <15.0                                   | 25.3J           | <b>602B</b>               |
| B-54                  | 1            | 03/09/2023     | B-54-S-1'-20230309   | In-Situ     | <0.000383     | <0.000454     | <0.000563          | <0.00101             | <0.00101         | 29.2J B *                                  | <15.0                                      | <15.0                                   | 29.2J           | <b>814B</b>               |
| B-55                  | 1            | 03/09/2023     | B-55-S-1'-20230309   | In-Situ     | <0.000383     | <0.000453     | <0.000562          | <0.00100             | <0.00100         | 17.7J B *                                  | <15.0                                      | <15.0                                   | 17.7J           | 141B                      |
| B-56                  | 1            | 03/09/2023     | B-56-S-1'-20230309   | In-Situ     | <0.000384     | <0.000455     | <0.000564          | <0.00101             | <0.00101         | 22.2J B *                                  | <15.0                                      | <15.0                                   | 22.2J           | <b>1670B</b>              |
| B-57                  | 1            | 03/09/2023     | B-57-S-1'-20230309   | In-Situ     | 0.000448J     | 0.000716J     | 0.00139J           | 0.00207J             | 0.00462          | 24.9J B *                                  | <15.0                                      | <15.0                                   | 24.9J           | 183B                      |
| B-58                  | 1            | 03/09/2023     | B-58-S-1'-20230309   | In-Situ     | <0.000383     | <0.000453     | <0.000562          | <0.00100             | <0.00100         | 24.0J B *                                  | <15.0                                      | <15.0                                   | 24.0J           | 212                       |
| B-59                  | 1            | 03/09/2023     | B-59-S-1'-20230309   | In-Situ     | <0.000384     | <0.000455     | <0.000564          | <0.00101             | <0.00101         | 26.3J B *                                  | <15.0                                      | <15.0                                   | 26.3J           | <b>699</b>                |
| SW-4                  | 1            | 03/09/2023     | SW-4-S-0-1'-20230309 | In-Situ     | <0.00200      | <0.00200      | <0.00200           | <0.00399             | <0.00399         | 20.7                                       | 20.2                                       | <49.9                                   | 40.9            | 68.7                      |
| SW-5                  | 1            | 03/09/2023     | SW-5-S-0-1'-20230309 | In-Situ     | <0.00200      | <0.00200      | <0.00200           | <0.00399             | <0.00401         | 19.3                                       | 16.3                                       | <50.0                                   | 35.6            | 122                       |
| SW-6                  | 1            | 03/09/2023     | SW-6-S-0-1'-20230309 | In-Situ     | <0.00199      | <0.00199      | <0.00199           | <0.00398             | <0.00398         | 41.0                                       | 24.2                                       | <49.9                                   | 65.2            | 548                       |
| SW-7                  | 1            | 03/09/2023     | SW-7-S-0-1'-20230309 | In-Situ     | <0.00199      | <0.00199      | <0.00199           | <0.00398             | <0.00398         | 28.0                                       | 18.1                                       | <49.9                                   | 46.1            | 512                       |

Legend:

Analytes exceeding NMAC standards are indicated in **bold** and grey

F1: MS and/or MSD recovery exceeds control limits

814B: Compound was found in the blank and sample

&lt; 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

B-45: Base 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

4. Closure Criteria New Mexico Administrative Code 19.15.29.12.E(2)

NMOCD: New Mexico Oil Conservation Division

--: No individual standard

Chevron  
Table 3  
2023 Groundwater Analytical Results  
Old Indian Draw Gathering Line Southern  
Incident# NCLB0525654437  
Eddy County, New Mexico



| Sample ID                                                        | Sample Date | Benzene            | Toluene          | Ethylbenzene     | Total Xylenes     | Chloride         | Total Dissolved Solids |
|------------------------------------------------------------------|-------------|--------------------|------------------|------------------|-------------------|------------------|------------------------|
| New Mexico Water Quality Control Commission Groundwater Standard |             |                    |                  |                  |                   |                  |                        |
|                                                                  |             | 0.005 <sup>1</sup> | 1.0 <sup>1</sup> | 0.7 <sup>1</sup> | 0.62 <sup>1</sup> | 250 <sup>2</sup> | 1,000                  |
| TW-2                                                             | 2/16/23     | NA                 | NA               | NA               | NA                | 37.6             | 328                    |

Notes:

Results shown in mg/L.

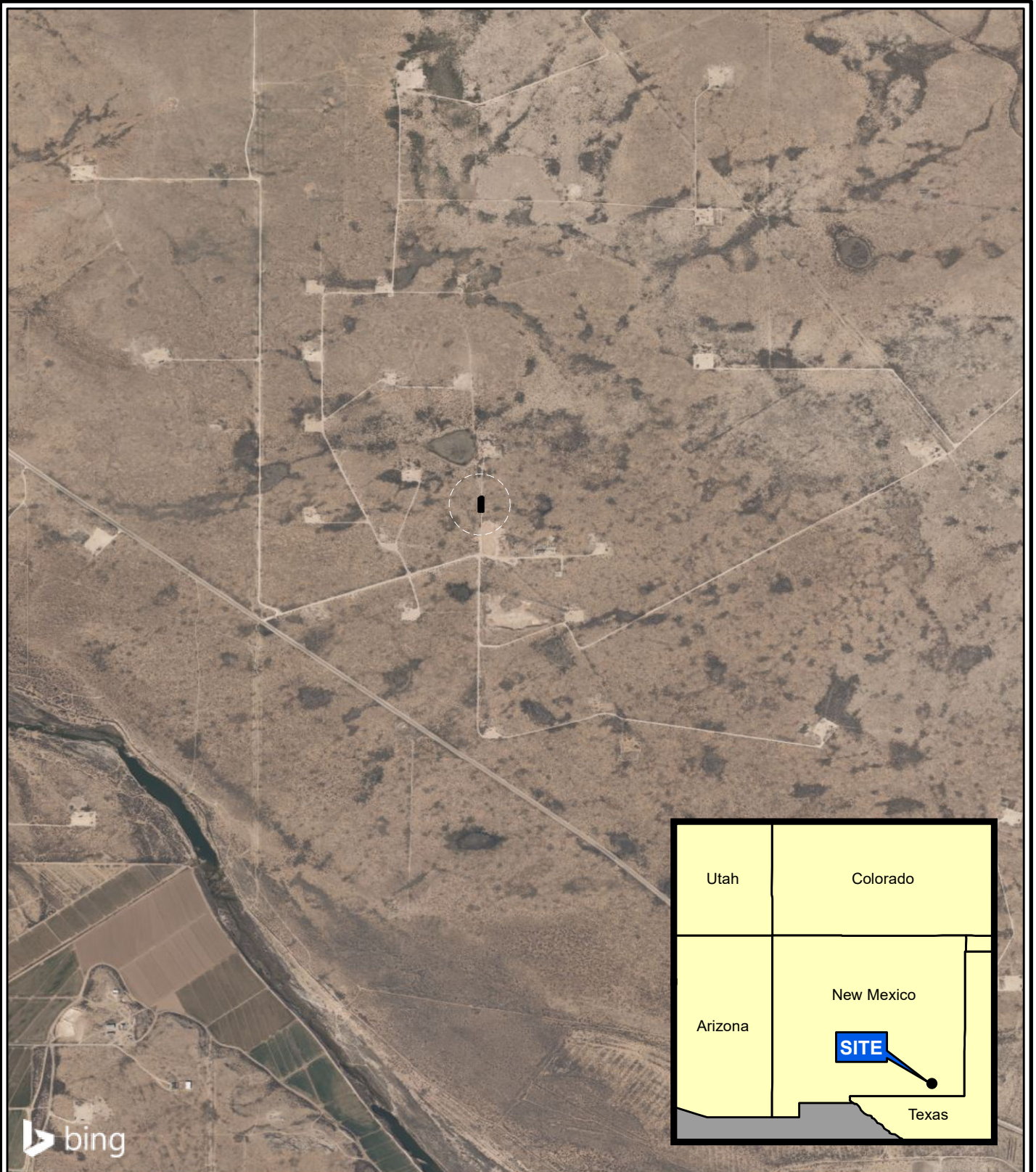
<sup>1</sup>Human Health Standards for Groundwater.

<sup>2</sup>Other Standards for Domestic Water Supply.

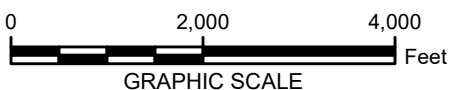
NA = Not Analyzed

# Figures

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\GISMXD\_Confirmation\OID GL-S\_Fig1.mxd 3/15/2023 11:53:55 AM



NOTES:  
Datum: D\_WGS\_1984  
Source: Bing Map  
Site Location: 32.3925°, -104.1253°



**LEGEND:**

Site Boundary

MCBU  
OLD INDIAN DRAW ~ GATHERING LINE SOUTH  
INCIDENT NUMBER: NCLB0525654437  
EDDY COUNTY, NEW MEXICO

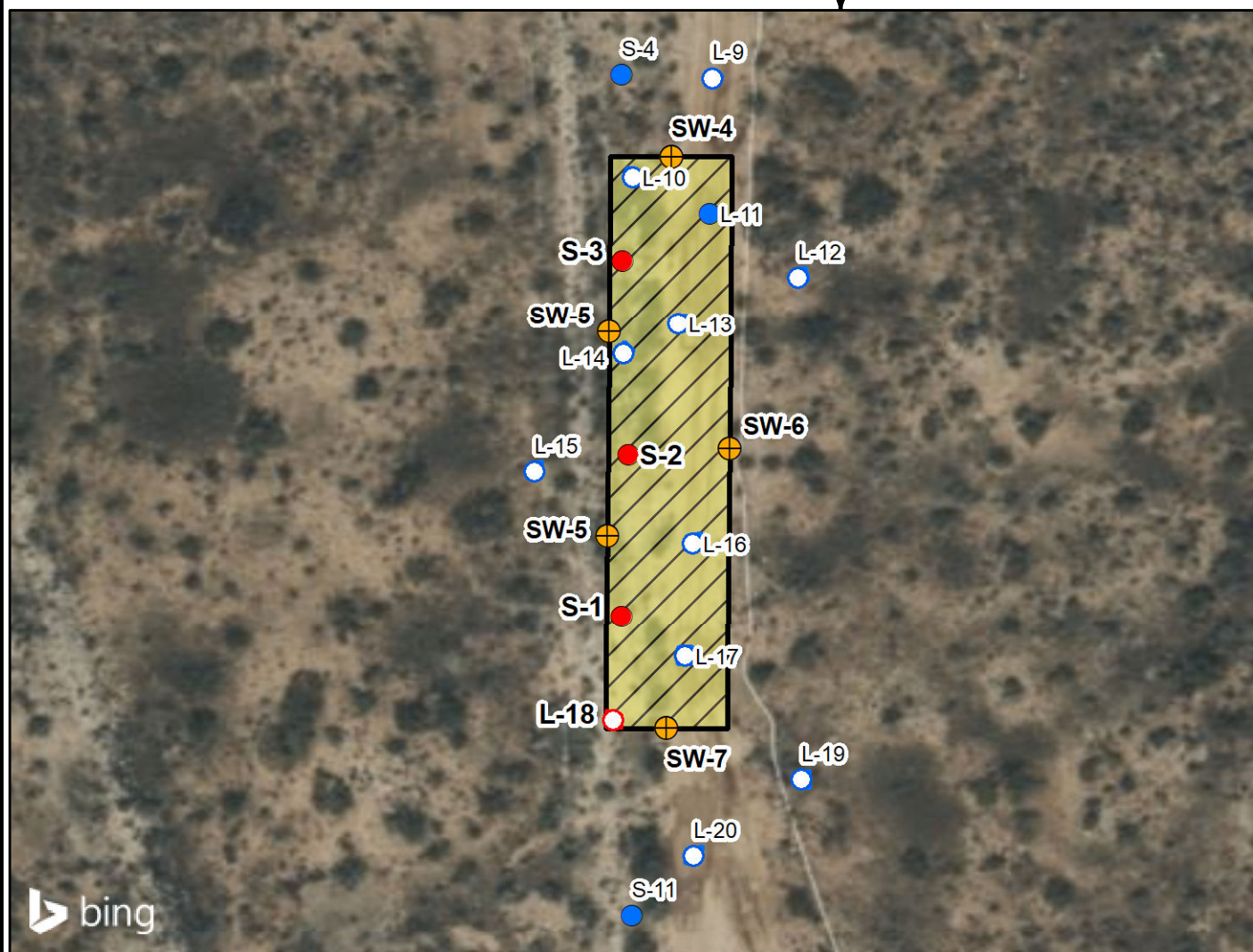
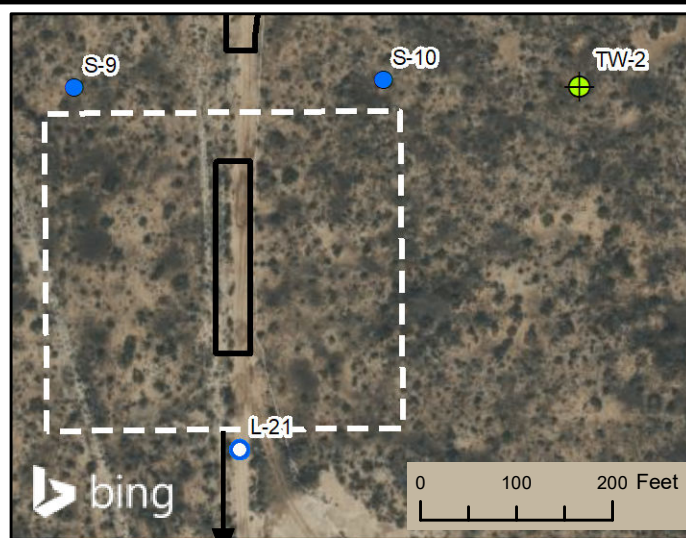
**SITE LOCATION MAP**



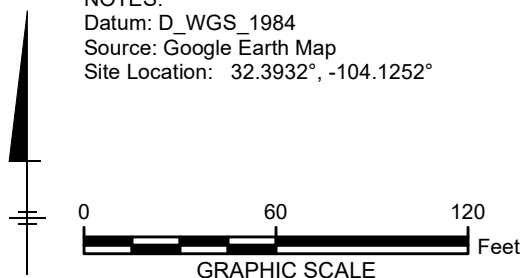
FIGURE  
**1**

## 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°



MCBU  
 OLD INDIAN DRAW ~ GATHERING LINE SOUTH  
 INCIDENT NUMBER: NCLB0525654437  
 EDDY COUNTY, NEW MEXICO

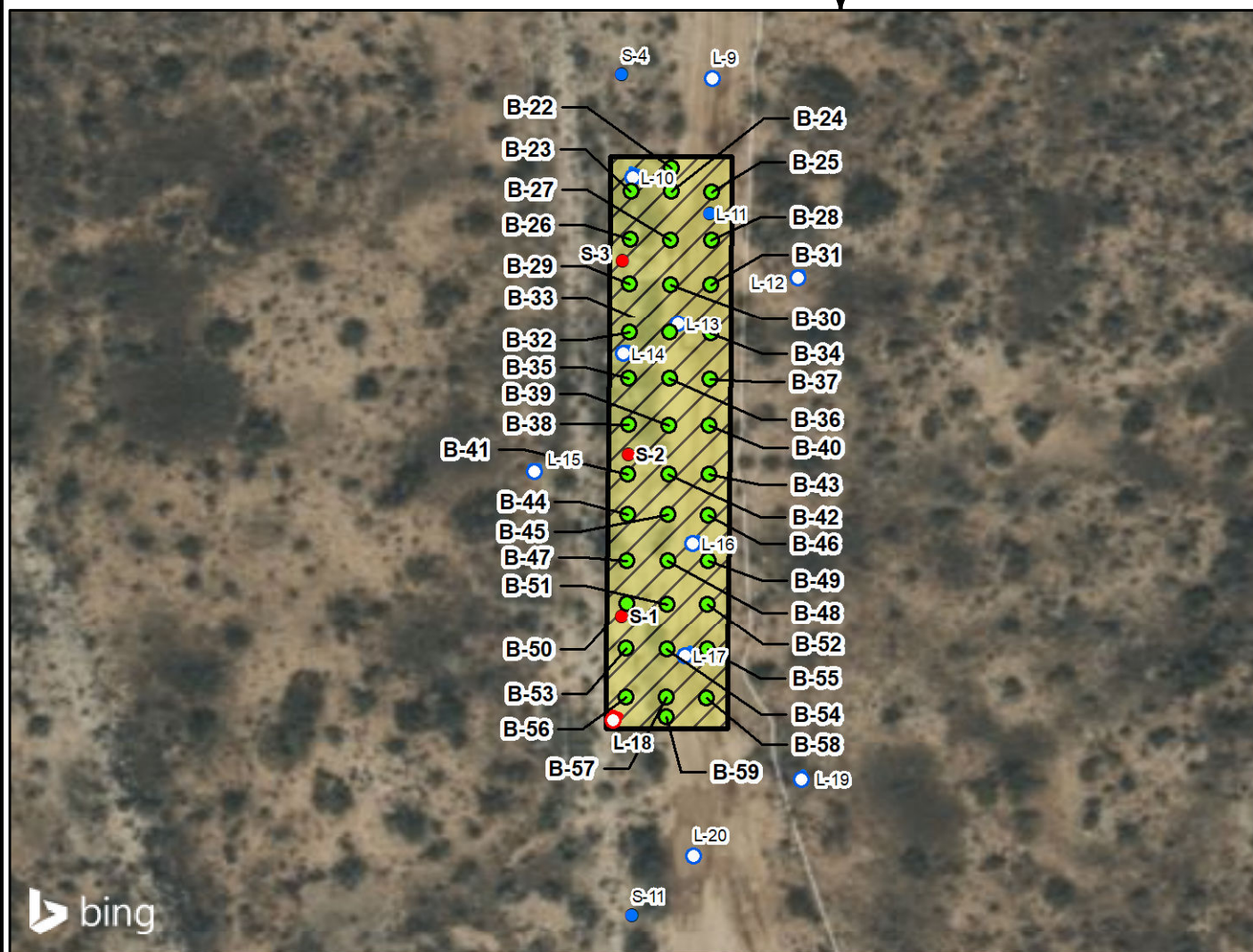
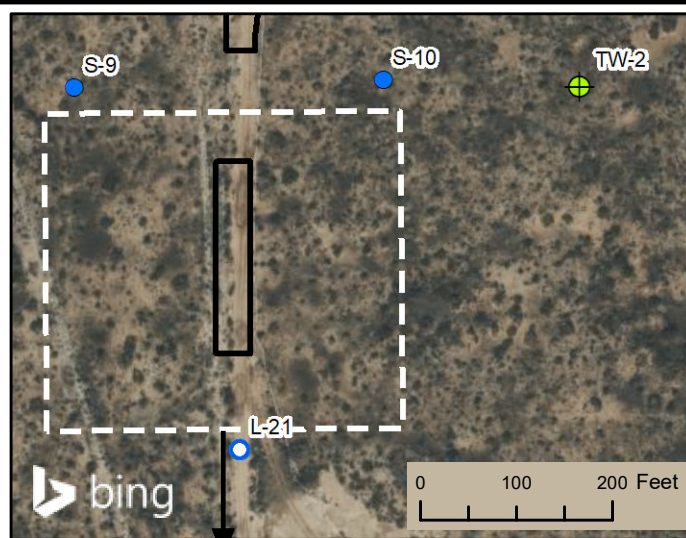
## EXCAVATION SIDEWALL SOIL SAMPLE LOCATIONS

 **ARCADIS**

FIGURE  
2

**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 60 120 Feet  
 GRAPHIC SCALE

MCBU  
 OLD INDIAN DRAW ~ GATHERING LINE SOUTH  
 INCIDENT NUMBER: NCLB0525654437  
 EDDY COUNTY, NEW MEXICO

### EXCAVATION BASE SOIL SAMPLE LOCATIONS



FIGURE  
**3**

# Photographic Log

|   |                            | PHOTOGRAPHIC LOG                                                                   |  |
|-----------------------------------------------------------------------------------|----------------------------|------------------------------------------------------------------------------------|--|
| <b>Property Name:</b><br>Old Indian Draw Gathering Line<br>Southern Area          |                            | <b>Location:</b><br>Eddy County, NM                                                |  |
|                                                                                   |                            | <b>Case No.</b><br>NCLB0525654437                                                  |  |
| <b>Photo No.</b><br><b>1</b>                                                      | <b>Date:</b><br>02/24/2023 |  |  |
| <b>Direction Photo Taken:</b><br>Facing NW                                        |                            |                                                                                    |  |
| <b>Description:</b><br>View of calcrete rock layer in release area at 1 feet bgs. |                            |                                                                                    |  |

|               |                            | PHOTOGRAPHIC LOG                                                                     |  |
|--------------------------------------------------------------------------------------------------|----------------------------|--------------------------------------------------------------------------------------|--|
| <b>Property Name:</b><br>Old Indian Draw Gathering Line<br>Southern Area                         |                            | <b>Location:</b><br>Eddy County, NM                                                  |  |
|                                                                                                  |                            | <b>Case No.</b><br>NCLB0525654437                                                    |  |
| <b>Photo No.</b><br><b>2</b>                                                                     | <b>Date:</b><br>02/24/2023 |  |  |
| <b>Direction Photo Taken:</b><br>Facing N                                                        |                            |                                                                                      |  |
| <b>Description:</b><br>Additional view of calcrete rock layer in release area around 1 feet bgs. |                            |                                                                                      |  |

# Appendix A

## **Incident #NCLB0525654437 NMOCD Database Information**

## NCLB0525654437 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: 06/24/2005

Extension Date: 11/15/2018

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

Closure Report Received:  
OCD Notified of Major Release: 06/24/2005  
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 | Crude Oil      | <input type="checkbox"/> | 15      | 13        | 2    | BBL   |
| Equipment Failure | Flow Line - Production | Produced Water | <input type="checkbox"/> | 35      | 32        | 3    | BBL   |

Incident Events

| Date       | Detail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 09/13/2005 | C-141: The structural integrity of the circulating line was compromised resulting in the release of approximately 50 barrels of fluid. The release area was exposed and clamps installed. Approximately 9390 square feet of surface area was impacted by the release. Saturated soil has been excavated and stockpiled on plastic on site until 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 |

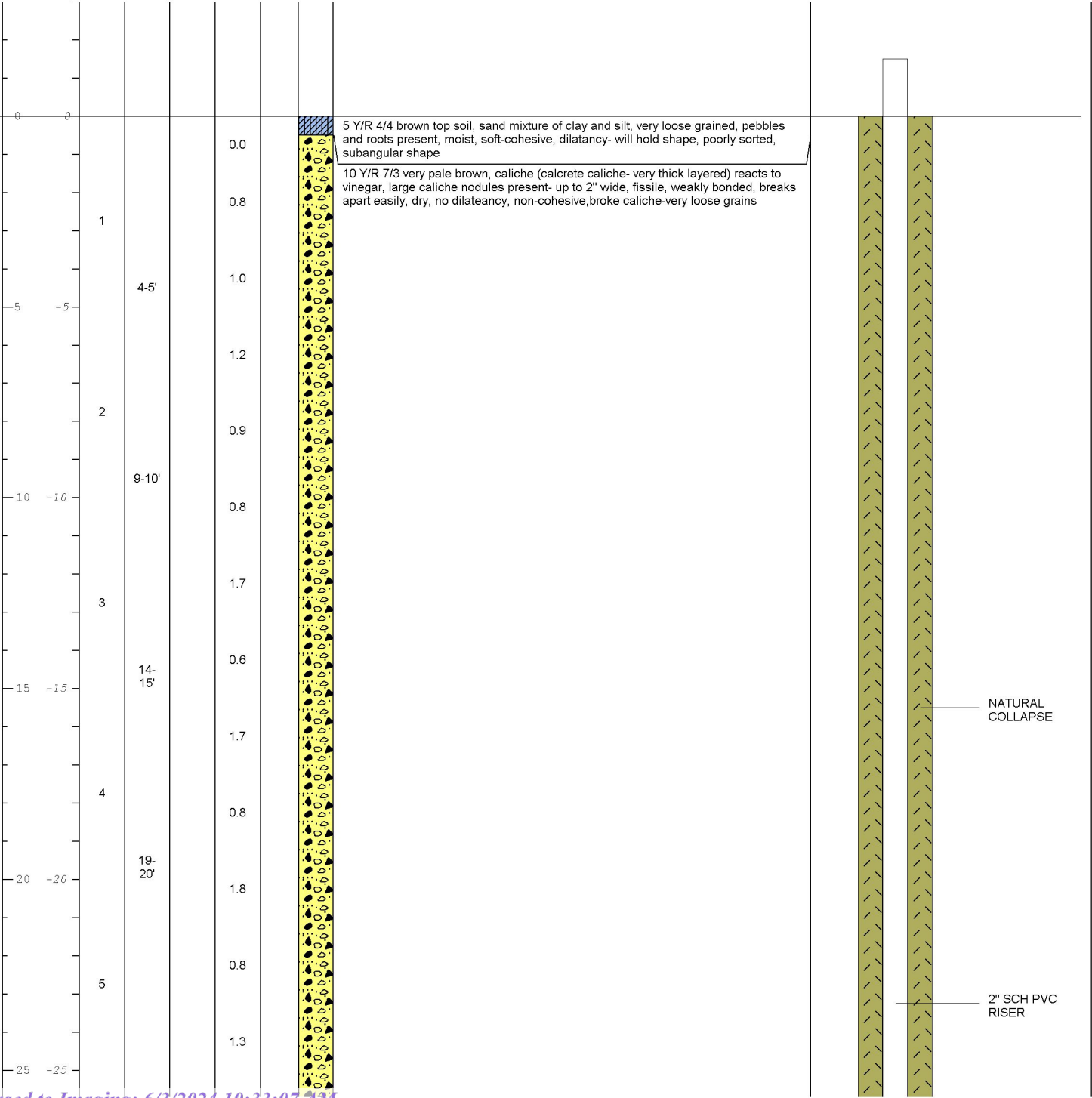
| Date | Detail                                                                                                 |
|------|--------------------------------------------------------------------------------------------------------|
|      | to an approved land treatment facility with any other federal, state, or local laws and/or regulations |

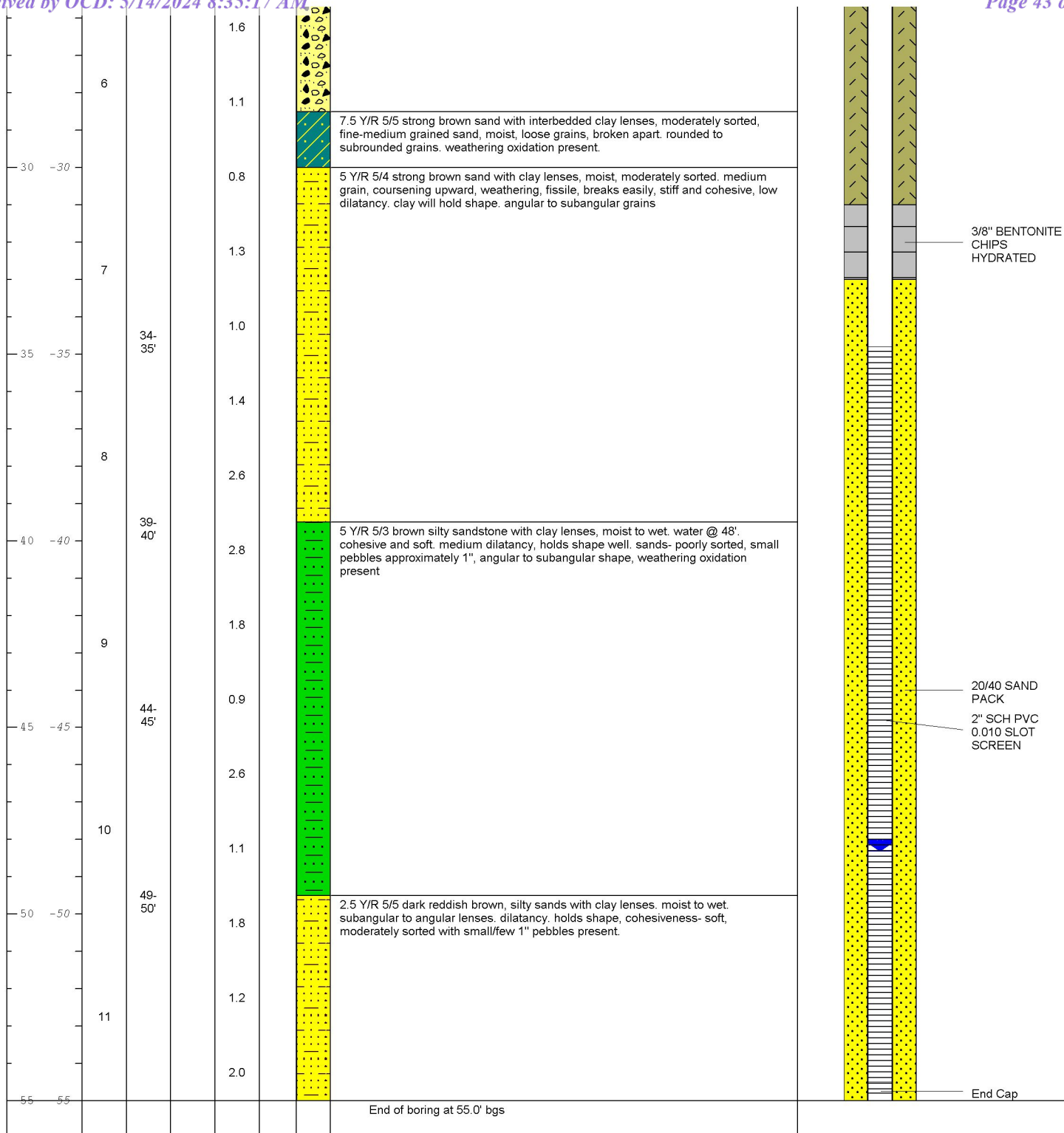
# Appendix B

## Temporary Monitoring Well Boring Log

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

| DEPTH | Sample Run Number | Sample/Int/Type | Recovery (feet) | PID | USCS Code | Geologic Column | Stratigraphic Description | Well/Boring Construction |
|-------|-------------------|-----------------|-----------------|-----|-----------|-----------------|---------------------------|--------------------------|
|-------|-------------------|-----------------|-----------------|-----|-----------|-----------------|---------------------------|--------------------------|





**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

Project: 30166791

Template: LPTEMPLATE\_Well\_Construction\_Final

Page: 2 of 2

Data File: Old Indian Draw

Date: 2/21/2023

Created/Edited by: Trang Pham

# Appendix C

## Laboratory Analytical Reports

Arcadis U.S., Inc.  
10205 Westheimer Road, Suite 800  
Houston  
Texas 77042  
Phone: 713 953 4800  
Fax: 713 977 4620  
[www.arcadis.com](http://www.arcadis.com)

# Appendix D

## 2023 Soil Remediation Photographic Log



## PHOTOGRAPHIC LOG

**Property Name:**Old Indian Draw Gathering Line  
Southern Area**Location:**

Eddy County, NM

**Case No.**

NCLB0525654437

**Photo No.**

1

**Date:**

03/08/2023

**Direction Photo Taken:**

Facing N

**Description:**

View of excavation area.



## PHOTOGRAPHIC LOG

**Property Name:**Old Indian Draw Gathering Line  
Southern Area**Location:**

Eddy County, NM

**Case No.**

NCLB0525654437

**Photo No.**

2

**Date:**

03/08/2023

**Direction Photo Taken:**

Facing NW

**Description:**Additional view of  
excavation area.

| ARCADIS                                                                                                    |                            | PHOTOGRAPHIC LOG                                                                   |                                   |
|------------------------------------------------------------------------------------------------------------|----------------------------|------------------------------------------------------------------------------------|-----------------------------------|
| <b>Property Name:</b><br>Old Indian Draw Gathering Line<br>Southern Area                                   |                            | <b>Location:</b><br>Eddy County, NM                                                | <b>Case No.</b><br>NCLB0525654437 |
| <b>Photo No.</b><br>3                                                                                      | <b>Date:</b><br>03/08/2023 |  |                                   |
| <b>Direction Photo Taken:</b><br>Facing N                                                                  |                            |                                                                                    |                                   |
| <b>Description:</b><br>View of calcrete rock layer in release area at a depth of approximately 1 foot bgs. |                            |                                                                                    |                                   |

| ARCADIS                                                                  |                            | PHOTOGRAPHIC LOG                                                                     |                                   |
|--------------------------------------------------------------------------|----------------------------|--------------------------------------------------------------------------------------|-----------------------------------|
| <b>Property Name:</b><br>Old Indian Draw Gathering Line<br>Southern Area |                            | <b>Location:</b><br>Eddy County, NM                                                  | <b>Case No.</b><br>NCLB0525654437 |
| <b>Photo No.</b><br>4                                                    | <b>Date:</b><br>09/20/2023 |  |                                   |
| <b>Direction Photo Taken:</b><br>Facing N                                |                            |                                                                                      |                                   |
| <b>Description:</b><br>View of backfilled excavation.                    |                            |                                                                                      |                                   |

|                                                                                         |                            |                                                                                     |  |
|-----------------------------------------------------------------------------------------|----------------------------|-------------------------------------------------------------------------------------|--|
|        |                            | <b>PHOTOGRAPHIC LOG</b>                                                             |  |
| <b>Property Name:</b><br>Old Indian Draw Gathering Line<br>Southern Area                |                            | <b>Location:</b><br>Eddy County, NM                                                 |  |
|                                                                                         |                            | <b>Case No.</b><br>NCLB0525654437                                                   |  |
| <b>Photo No.</b><br><b>5</b>                                                            | <b>Date:</b><br>08/10/2023 |  |  |
| <b>Direction Photo Taken:</b><br>Facing N                                               |                            |                                                                                     |  |
| <b>Description:</b><br>View of lined excavation.<br>Spreading gypsum prior to backfill. |                            |                                                                                     |  |

# Appendix E

## Laboratory Analytical Reports



Environment Testing

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14

# 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

**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**

Authorized for release by  
John Builes, Project Manager  
[John.Builes@et.eurofinsus.com](mailto:John.Builes@et.eurofinsus.com)  
(561)558-4549

Generated  
3/24/2023 2:50:31 PM  
Revision 1

Client: ARCADIS U.S., Inc.  
Project/Site: Chevron Old Indian Draw Gathering Line

Laboratory Job ID: 890-4261-1  
SDG: 88001631

# Table of Contents

|                                  |     |
|----------------------------------|-----|
| Cover Page . . . . .             | 1   |
| Table of Contents . . . . .      | 3   |
| Definitions/Glossary . . . . .   | 4   |
| Case Narrative . . . . .         | 6   |
| Client Sample Results . . . . .  | 11  |
| Surrogate Summary . . . . .      | 65  |
| QC Sample Results . . . . .      | 70  |
| QC Association Summary . . . . . | 94  |
| Lab Chronicle . . . . .          | 113 |
| Certification Summary . . . . .  | 137 |
| Method Summary . . . . .         | 138 |
| Sample Summary . . . . .         | 139 |
| Chain of Custody . . . . .       | 141 |
| Receipt Checklists . . . . .     | 144 |

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14

## Definitions/Glossary

Client: ARCADIS U.S., Inc.  
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1  
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.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | 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                                                                                             |

Eurofins Carlsbad

Definitions/Glossary

Client: ARCADIS U.S., Inc.  
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1  
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                                                                |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

## Case Narrative

Client: ARCADIS U.S., Inc.  
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1  
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 4.0° 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.  
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1  
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 Oil 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.  
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1  
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.  
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1  
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.  
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1  
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.  
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1  
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       |

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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-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       |

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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-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 |
|-----------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Oil 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       |
| Oil 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       |

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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-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

## 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

Date Collected: 03/09/23 10:50

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             | <0.00198 | 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       |

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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-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

## 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

Date Collected: 03/09/23 11:00

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 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       |

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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-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       |

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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-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       |

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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-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: 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

Date Collected: 03/09/23 11:40

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                     | 0.00184   | 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       |

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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-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 |
|-----------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Oil 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       |
| Oil 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       |

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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-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       |

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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-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: 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

Date Collected: 03/09/23 12:20

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                     | 0.000530  | 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 |
|-----------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Oil 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       |
| Oil 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       |

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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-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       |

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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-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       |

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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-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        |
|-----------------------------------|------------------|------------------|---------------|------|-------|---|-----------------|-----------------|----------------|
| Oil 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              |
| <b>Surrogate</b>                  | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |      |       |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| 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              |
| <b>Surrogate</b>            | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |          |       |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| 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              |
| Oil 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              |
| <b>Surrogate</b>                     | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |      |       |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| 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      |

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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-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       |
| <b>o-Xylene</b>     | <b>0.000360</b> | <b>J F1</b> | 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 |
|------------------|-------------|-----------|------|------|-------|---|----------|----------------|---------|
| <b>Total TPH</b> | <b>16.5</b> | <b>J</b>  | 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 |
|-----------------|-------------|-------------|------|------|-------|---|----------|----------------|---------|
| <b>Chloride</b> | <b>1620</b> | <b>B F1</b> | 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       |
| <b>Ethylbenzene</b> | <b>0.000577</b> | <b>J</b>  | 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       |
| <b>o-Xylene</b>     | <b>0.000904</b> | <b>J</b>  | 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       |

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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-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       |

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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-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       |

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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-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       |

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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-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       |

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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-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 |
|-----------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Oil 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       |
| Oil 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       |

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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-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       |

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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-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       |

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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-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 |
|-----------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Oil 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       |
| Oil 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       |

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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-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       |

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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-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: 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

Date Collected: 03/09/23 15:40

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                     | <0.00200  | 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       |

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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-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 |
|-----------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Oil 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       |
| Oil 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       |

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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-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

## 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

Date Collected: 03/09/23 16:10

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             | <0.00199 | 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       |

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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-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

## 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

Date Collected: 03/09/23 16:20

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                     | <0.00200  | 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       |

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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-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 |
|-----------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Oil 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       |
| Oil 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       |

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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-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       |
| <b>o-Xylene</b>     | <b>0.000477</b> | <b>J</b>  | 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 |
|------------------|-------------|-----------|------|------|-------|---|----------|----------------|---------|
| <b>Total TPH</b> | <b>24.0</b> | <b>J</b>  | 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 |
|---------------------------------------------|-------------|---------------|------|------|-------|---|----------------|----------------|---------|
| <b>Gasoline Range Organics (GRO)-C6-C10</b> | <b>24.0</b> | <b>J B *-</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 |
|-----------------|------------|-----------|------|-------|-------|---|----------|----------------|---------|
| <b>Chloride</b> | <b>212</b> |           | 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       |
| <b>o-Xylene</b>     | <b>0.000384</b> | <b>J</b>  | 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       |

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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-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: 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

Date Collected: 03/14/23 12:00

Matrix: Solid

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       |

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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-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 |
|-----------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Oil 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       |
| Oil 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       |

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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: 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       |

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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: 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       |

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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: 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       |

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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-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) (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

Date Collected: 03/07/23 10:10

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 | 03/10/23 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       |

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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-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       |
| 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

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       |
| 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

Date Collected: 03/07/23 10:20

Matrix: Solid

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

Date Collected: 03/07/23 10:30

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                     | <0.00199  | 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       |

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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-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

## 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

Date Collected: 03/07/23 10:50

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             | 0.000428 | 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       |

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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-3-S-2'-2-20230307

Lab Sample ID: 890-4261-6

Date Collected: 03/07/23 10:50

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 |   |          | 03/10/23 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

Date Collected: 03/07/23 11:00

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                     | <0.00200  | 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       |

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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-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 |
|-----------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| 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

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       |
| 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       |

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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-6-S-1'-2'-2-20230307

Lab Sample ID: 890-4261-9

Date Collected: 03/07/23 11:20

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             | <0.00200 | 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

Date Collected: 03/07/23 11:30

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 | 03/10/23 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       |

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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-7-S-1'-2-20230307

Lab Sample ID: 890-4261-10

Date Collected: 03/07/23 11:30

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 | <0.00399 | 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

Date Collected: 03/07/23 11:40

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                     | 0.000532  | 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       |

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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-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       |

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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-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

## 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

Date Collected: 03/07/23 12:10

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             | <0.00200 | 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       |

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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-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

## 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

Date Collected: 03/07/23 12:50

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 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       |

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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-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

## 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

Lab Sample ID: 890-4261-16

Date Collected: 03/07/23 13:00

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                     | <0.00199  | 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       |

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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-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       |

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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-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       |

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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-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 |
|-----------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| OII 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       |
| OII 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       |

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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-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       |

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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-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: 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

Date Collected: 03/07/23 14:10

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                     | <0.00202  | 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       |

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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-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 |
|-----------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| 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

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       |
| 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       |

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## 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                                           | DFBZ1    |
|                  |                       | (70-130)                                       | (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      |

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## 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<br>(70-130)                               | DFBZ1<br>(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                |

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## 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     | OTPH1    |
|------------------|----------------------|----------|----------|
|                  |                      | (70-130) | (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      |

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## 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<br>(70-130)                               | OTPH1<br>(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+           |

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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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

## 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<br>Result | MB<br>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<br>%Recovery | MB<br>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<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>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<br>%Recovery | LCS<br>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<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>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<br>%Recovery | LCSD<br>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<br>Result | MB<br>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       |

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## 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<br>Result | MB<br>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<br>%Recovery | MB<br>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<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>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<br>%Recovery | LCS<br>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<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>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<br>%Recovery | LCSD<br>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<br>Result | MB<br>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       |

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## 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 | 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    |

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## 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<br>%Recovery | MS<br>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<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>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<br>%Recovery | MSD<br>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<br>Result | MB<br>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<br>%Recovery | MB<br>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<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>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<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 88               |                  | 70 - 130 |

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## 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

|                            | LCS       | LCS       |          |
|----------------------------|-----------|-----------|----------|
| Surrogate                  | %Recovery | 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

|                     | LCS         | LCS         |                |       |   |      |             |     |           |  |  |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|--|--|
| 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        |  |  |

|                             | LCSD      | LCSD      |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | 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

|                     | MB       | MB        |         |          |       |   |                |                |         |  |
|---------------------|----------|-----------|---------|----------|-------|---|----------------|----------------|---------|--|
| Analyte             | Result   | 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       |  |

|                             | MB        | MB        |          |                |                |         |  |  |  |  |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|--|--|--|--|
| Surrogate                   | %Recovery | 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

|                     | LCS         | LCS        |               |       |   |      |             |  |  |  |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|--|--|--|
| 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    |  |  |  |

|                             | LCS       | LCS       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 110       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 91        |           | 70 - 130 |

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## 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       |

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## 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 | 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    |

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## 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)

|                             | MS        | MS        |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | 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        |

|                             | MSD       | MSD       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | 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       |

|                             | MB        | MB        |          |                |                |         |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Surrogate                   | %Recovery | 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    |

|                             | LCS       | LCS       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 85        |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 91        |           | 70 - 130 |

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## 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        |

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## 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        |

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## 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 LCSD |           | Limits   |
|----------------|-----------|-----------|----------|
|                | %Recovery | Qualifier |          |
| 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 MB  |           | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
|                                      | Result | Qualifier |      |      |       |   |                |                |         |
| 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 MB     |           | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
|                | %Recovery | Qualifier |          |                |                |         |
| 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 LCS   |           | Limits   |
|----------------|-----------|-----------|----------|
|                | %Recovery | Qualifier |          |
| 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 | 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 LCSD |           | Limits   |
|----------------|-----------|-----------|----------|
|                | %Recovery | Qualifier |          |
| 1-Chlorooctane | 101       |           | 70 - 130 |
| o-Terphenyl    | 94        |           | 70 - 130 |

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## 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 880-48322/1-A

Matrix: Solid

Analysis Batch: 48386

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48322

| Analyte                                 | MB<br>Result    | MB<br>Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------------|-----------------|-----------------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics<br>(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<br>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<br>%Recovery | MB<br>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

Matrix: Solid

Analysis Batch: 48386

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48322

| Analyte                                 | Spike<br>Added   | LCS<br>Result    | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |  |  |
|-----------------------------------------|------------------|------------------|------------------|-------|---|------|----------------|--|--|
| Gasoline Range Organics<br>(GRO)-C6-C10 | 1000             | 873.6            |                  | mg/Kg |   | 87   | 70 - 130       |  |  |
| Diesel Range Organics (Over<br>C10-C28) | 1000             | 893.0            |                  | mg/Kg |   | 89   | 70 - 130       |  |  |
| Surrogate                               | LCS<br>%Recovery | LCS<br>Qualifier | Limits           |       |   |      |                |  |  |
| 1-Chlorooctane                          | 106              |                  | 70 - 130         |       |   |      |                |  |  |
| o-Terphenyl                             | 98               |                  | 70 - 130         |       |   |      |                |  |  |

Lab Sample ID: LCSD 880-48322/3-A

Matrix: Solid

Analysis Batch: 48386

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48322

| Analyte                                 | Spike<br>Added    | LCSD<br>Result    | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|-----------------------------------------|-------------------|-------------------|-------------------|-------|---|------|----------------|-----|--------------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | 1000              | 946.7             |                   | mg/Kg |   | 95   | 70 - 130       | 8   | 20           |
| Diesel Range Organics (Over<br>C10-C28) | 1000              | 946.7             |                   | mg/Kg |   | 95   | 70 - 130       | 6   | 20           |
| Surrogate                               | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits            |       |   |      |                |     |              |
| 1-Chlorooctane                          | 108               |                   | 70 - 130          |       |   |      |                |     |              |
| o-Terphenyl                             | 105               |                   | 70 - 130          |       |   |      |                |     |              |

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

| Analyte                                 | MB<br>Result | MB<br>Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------------|--------------|-----------------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics<br>(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<br>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       |

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## 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<br>%Recovery | MB<br>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<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>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<br>%Recovery | LCS<br>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<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>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<br>%Recovery | LCSD<br>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<br>Result | MB<br>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       |
| Oil 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<br>%Recovery | MB<br>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       |

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## 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 | LCS    | LCS       | Unit  | D | %Rec | %Rec     |  |  |
|--------------------------------------|--|--|-------|--------|-----------|-------|---|------|----------|--|--|
|                                      |  |  | Added | Result | Qualifier |       |   |      | 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 |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
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|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |
|                                      |  |  |       |        |           |       |   |      |          |  |  |

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

| Report Data - Tests                     |                   |                   |                |                |                   |       |   |      |                |     |              |
|-----------------------------------------|-------------------|-------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Analyte                                 |                   |                   | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
| Gasoline Range Organics<br>(GRO)-C6-C10 |                   |                   | 1000           | 485.0          | *-                | mg/Kg | - | 49   | 70 - 130       | 5   | 20           |
| Diesel Range Organics (Over<br>C10-C28) |                   |                   | 1000           | 798.6          |                   | mg/Kg |   | 80   | 70 - 130       | 4   | 20           |
| Surrogate                               | LCSD<br>%Recovery | LCSD<br>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        |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |

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## 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

|                     | MSD       | MSD       |          |
|---------------------|-----------|-----------|----------|
| Surrogate           | %Recovery | Qualifier | Limits   |
| <i>o</i> -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

|                                      | MB        | MB        |          |      |       |   |                |                |         |  |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|--|
| 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 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       |  |
|                                      | MB        | MB        |          |      |       |   |                |                |         |  |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 1-Chlorooctane                       | 116       |           | 70 - 130 |      |       |   | 03/10/23 15:51 | 03/12/23 09:26 | 1       |  |
| <i>o</i> -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

|                                      |           |           | 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    |  |  |
|                                      | LCS       | LCS       |             |            |               |       |   |      |             |  |  |
| Surrogate                            | %Recovery | Qualifier | Limits      |            |               |       |   |      |             |  |  |
| 1-Chlorooctane                       | 81        |           | 70 - 130    |            |               |       |   |      |             |  |  |
| <i>o</i> -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

|                                      |           |           | 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        |
|                                      | LCSD      | LCSD      |             |             |                |       |   |      |             |     |           |
| Surrogate                            | %Recovery | Qualifier | Limits      |             |                |       |   |      |             |     |           |
| 1-Chlorooctane                       | 86        |           | 70 - 130    |             |                |       |   |      |             |     |           |
| <i>o</i> -Terphenyl                  | 110       |           | 70 - 130    |             |                |       |   |      |             |     |           |

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## 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: 880-25768-7 MS

Matrix: Solid

Analysis Batch: 48412

Client Sample ID: B-24-S-1'-20230309

Prep Type: Total/NA

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

Matrix: Solid

Analysis Batch: 48412

Client Sample ID: B-24-S-1'-20230309

Prep Type: Total/NA

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

Matrix: Solid

Analysis Batch: 48705

Client Sample ID: Method Blank

Prep Type: Total/NA

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

Matrix: Solid

Analysis Batch: 48705

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

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    |

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## 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

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | 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        |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | 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       |
| Oil 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       |

|                | MB        | MB        |          | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| Surrogate      | %Recovery | Qualifier | Limits   |                |                |         |
| 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

|                                      | 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    |

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 90        |           | 70 - 130 |
| o-Terphenyl    | 99        |           | 70 - 130 |

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## 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        |

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## 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        |

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## 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    |  |

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## 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

Matrix: Solid

Analysis Batch: 48312

Client Sample ID: B-18-S-1'-20230307

Prep Type: Soluble

| 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

Matrix: Solid

Analysis Batch: 48324

Client Sample ID: Method Blank

Prep Type: Soluble

| 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

Matrix: Solid

Analysis Batch: 48324

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| 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

Matrix: Solid

Analysis Batch: 48324

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         | 273.8       |                | mg/Kg |   | 110  | 90 - 110    | 0   | 20        |

Lab Sample ID: 880-25768-1 MS

Matrix: Solid

Analysis Batch: 48324

Client Sample ID: SW-4-S-0-1'-20230309

Prep Type: Soluble

| 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

Matrix: Solid

Analysis Batch: 48324

Client Sample ID: SW-4-S-0-1'-20230309

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 68.7          | B F1             | 249         | 346.1      | F1            | mg/Kg |   | 112  | 90 - 110    | 0   | 20        |

Lab Sample ID: 880-25768-11 MS

Matrix: Solid

Analysis Batch: 48324

Client Sample ID: B-28-S-1'-20230309

Prep Type: Soluble

| 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

Matrix: Solid

Analysis Batch: 48324

Client Sample ID: B-28-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 | 133           | B F1             | 250         | 330.5      | F1            | mg/Kg |   | 79   | 90 - 110    | 0   | 20        |

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## 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<br>Result | MB<br>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<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>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<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>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<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>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<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>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<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>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<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>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<br>Result | MB<br>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       |

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## 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       |

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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 |             |            |               |       | Client Sample ID: Lab Control Sample |      |             |  |  |
| Matrix: Solid                    |             |            |               |       | Prep Type: Soluble                   |      |             |  |  |
| Analysis Batch: 49141            |             |            |               |       |                                      |      |             |  |  |
| 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 |             |             |                |       | Client Sample ID: Lab Control Sample Dup |      |             |     |           |
| Matrix: Solid                     |             |             |                |       | Prep Type: Soluble                       |      |             |     |           |
| Analysis Batch: 49141             |             |             |                |       |                                          |      |             |     |           |
| 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  |            |

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## 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 |            |

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## 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  |            |

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## 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      |

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## 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 |            |

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## 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      |

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## 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 |            |

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## 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 |            |

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## 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      |

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## 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      |

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## 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 |            |

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## 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 |            |

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## 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 |            |

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## 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 |            |

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## 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      |

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## 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 |            |

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## 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      |

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## 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      |

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## 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.  
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1  
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 |

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## 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-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.  
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

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 |

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## 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

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.  
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

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 |

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## 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-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 |

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## 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

Lab Sample ID: 880-25768-21

Date Collected: 03/09/23 13:20

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        |     |            | 4.96 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

Lab Sample ID: 880-25768-22

Date Collected: 03/09/23 13:30

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         | 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

Lab Sample ID: 880-25768-23

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        |     |            | 5.03 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

Lab Sample ID: 880-25768-24

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 16:30       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 48930        | 03/20/23 12:23       | AJ      | EET MID |

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## 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

Lab Sample ID: 880-25768-24

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  | 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

Lab Sample ID: 880-25768-25

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        |     |            | 4.99 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

Lab Sample ID: 880-25768-26

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 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

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     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| 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 |

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## 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-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 |

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## 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 |

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## 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

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  | 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

Lab Sample ID: 880-25768-35

Date Collected: 03/09/23 15:40

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        |     |            | 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

Lab Sample ID: 880-25768-36

Date Collected: 03/09/23 15:50

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         | 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

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     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| 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 |

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## 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-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 |

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## 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 |

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## 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 |

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## 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 |

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## 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 |

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## 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****Date Collected: 01/31/23 11:40****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     |     |            | 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****Date Collected: 01/31/23 11:50****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     |     |            | 5.04 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****Date Collected: 01/31/23 12:00****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 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****Date Collected: 03/07/23 10:00****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        |     |            | 5.05 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****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     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| 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 |

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## 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 |

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## 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

Lab Sample ID: 890-4261-6

Date Collected: 03/07/23 10:50

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        |     |            | 5.03 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

Lab Sample ID: 890-4261-7

Date Collected: 03/07/23 11:00

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         | 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

Lab Sample ID: 890-4261-8

Date Collected: 03/07/23 11:10

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        |     |            | 4.97 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

Lab Sample ID: 890-4261-9

Date Collected: 03/07/23 11:20

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        |     |            | 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 |

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## 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

Date Collected: 03/07/23 11:20

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  | 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

Date Collected: 03/07/23 11:30

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        | 03/10/23 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

Date Collected: 03/07/23 11:40

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        |     |            | 5.02 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

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     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| 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 |

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## 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 |

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## 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-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 |

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## 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

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  | 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

Lab Sample ID: 890-4261-20

Date Collected: 03/07/23 13:40

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        |     |            | 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

Lab Sample ID: 890-4261-21

Date Collected: 03/07/23 13:50

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        |     |            | 5.01 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

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     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| 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 |

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## 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

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

Eurofins Carlsbad

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.  
Project/Site: Chevron Old Indian Draw Gathering Line

Job ID: 890-4261-1  
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 |







## 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](http://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](mailto: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](mailto: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  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
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 344023

QUESTIONS

|                                                                            |                                                                        |
|----------------------------------------------------------------------------|------------------------------------------------------------------------|
| Operator:<br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>4323                                                         |
|                                                                            | Action Number:<br>344023                                               |
|                                                                            | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

QUESTIONS

|                   |                                                            |
|-------------------|------------------------------------------------------------|
| Prerequisites     |                                                            |
| Incident ID (n#)  | nCLB0525654437                                             |
| Incident Name     | NCLB0525654437 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                        | 06/24/2005                     |
| 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                                                                                                                                                    | Cause: Equipment Failure   Flow Line - Production   Crude Oil   Released: 15 BBL   Recovered: 13 BBL   Lost: 2 BBL.      |
| Produced Water Released (bbls) Details                                                                                                                                               | Cause: Equipment Failure   Flow Line - Production   Produced Water   Released: 35 BBL   Recovered: 32 BBL   Lost: 3 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**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 2

Action 344023

**QUESTIONS (continued)**

|                                                                            |                |
|----------------------------------------------------------------------------|----------------|
| Operator:<br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:         |
|                                                                            | 4323           |
|                                                                            | Action Number: |
|                                                                            | 344023         |
| Action Type:                                                               |                |
| [C-141] Reclamation Report C-141 (C-141-v-Reclamation)                     |                |

**QUESTIONS**

| <b>Nature and Volume of Release (continued)</b>                                                                                                         |                                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| 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:<br>(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<br>Title: Waste & Water Specialist<br>Email: ABarnhill@chevron.com<br>Date: 05/14/2024 |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------|

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**Santa Fe, NM 87505**

QUESTIONS, Page 3

Action 344023

**QUESTIONS (continued)**

|                                                                            |                |                                                        |
|----------------------------------------------------------------------------|----------------|--------------------------------------------------------|
| Operator:<br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:         | 4323                                                   |
|                                                                            | Action Number: | 344023                                                 |
|                                                                            | 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                                                                       | No                         |
| <b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>   |                            |
| 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)         | 16708 |
| TPH (GRO+DRO+MRO) | (EPA SW-846 Method 8015M)          | 46    |
| GRO+DRO           | (EPA SW-846 Method 8015M)          | 36    |
| 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  | 1800       |
| What is the estimated volume (in cubic yards) that will be reclaimed        | 0          |
| What is the estimated surface area (in square feet) that will be remediated | 7600       |
| 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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Santa Fe, NM 87505

QUESTIONS, Page 4  
  
Action 344023

QUESTIONS (continued)

|                                                                                |                                                        |        |
|--------------------------------------------------------------------------------|--------------------------------------------------------|--------|
| Operator:<br><br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:                                                 | 4323   |
|                                                                                | Action Number:                                         | 344023 |
|                                                                                | Action Type:                                           |        |
|                                                                                | [C-141] Reclamation Report C-141 (C-141-v-Reclamation) |        |

QUESTIONS

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>Remediation Plan (continued)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                           |
| <i>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.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                           |
| <b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                           |
| <i>(Select all answers below that apply.)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                           |
| (Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Yes                                                                                                       |
| Which OCD approved facility will be used for <b>off-site</b> disposal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | LEA LAND LANDFILL [fEEM0112342028]                                                                        |
| <b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Not answered.                                                                                             |
| <b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Not answered.                                                                                             |
| <b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Not answered.                                                                                             |
| (Ex Situ) Excavation and <b>on-site</b> 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.                                                                                             |
| <i>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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                           |
| 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<br>Title: Waste & Water Specialist<br>Email: ABarnhill@chevron.com<br>Date: 05/14/2024 |
| <i>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.</i>                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                           |

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Santa Fe, NM 87505

QUESTIONS, Page 5  
  
Action 344023

QUESTIONS (continued)

|                                                                            |                                                                        |
|----------------------------------------------------------------------------|------------------------------------------------------------------------|
| Operator:<br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>4323                                                         |
|                                                                            | Action Number:<br>344023                                               |
|                                                                            | Action Type:<br>[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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**Santa Fe, NM 87505**

QUESTIONS, Page 6

Action 344023

**QUESTIONS (continued)**

|                                                                            |                |
|----------------------------------------------------------------------------|----------------|
| Operator:<br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:         |
|                                                                            | 4323           |
|                                                                            | Action Number: |
|                                                                            | 344023         |
| Action Type:                                                               |                |
| [C-141] Reclamation Report C-141 (C-141-v-Reclamation)                     |                |

**QUESTIONS**

| Sampling Event Information                                                                      |            |
|-------------------------------------------------------------------------------------------------|------------|
| Last sampling notification (C-141N) recorded                                                    | 344052     |
| 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                             | 42         |
| What was the sampling surface area in square feet                                               | 7600       |

**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                                                                                                                                                                                                                        | 7600                                                                                                                                                                                                                                                                                                                                                                                                    |
| 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                                                                                                                                                                                                                         | 1800                                                                                                                                                                                                                                                                                                                                                                                                    |
| What was the total volume (in cubic yards) reclaimed                                                                                                                                                                                                                               | 0                                                                                                                                                                                                                                                                                                                                                                                                       |
| 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<br>Title: Waste & Water Specialist<br>Email: ABarnhill@chevron.com<br>Date: 05/14/2024 |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------|

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QUESTIONS, Page 7

Action 344023

**QUESTIONS (continued)**

|                                                                            |                |                                                        |
|----------------------------------------------------------------------------|----------------|--------------------------------------------------------|
| Operator:<br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:         | 4323                                                   |
|                                                                            | Action Number: | 344023                                                 |
|                                                                            | Action Type:   | [C-141] Reclamation Report C-141 (C-141-v-Reclamation) |
|                                                                            |                |                                                        |

**QUESTIONS**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reclamation Report</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <i>Only answer the questions in this group if all reclamation steps have been completed.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Requesting a reclamation approval with this submission                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| What was the total reclamation surface area (in square feet) for this site                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| What was the total volume of replacement material (in cubic yards) for this site                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 480                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <i>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.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Is the soil top layer complete and is it suitable material to establish vegetation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| On what (estimated) date will (or was) the reseeded 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. |
| <i>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 reseeded plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 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<br>Title: Waste & Water Specialist<br>Email: ABarnhill@chevron.com<br>Date: 05/14/2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**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  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
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, Page 8  
  
Action 344023

QUESTIONS (continued)

|                                                                                |                                                                            |
|--------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| Operator:<br><br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br><br>4323                                                         |
|                                                                                | Action Number:<br><br>344023                                               |
|                                                                                | Action Type:<br><br>[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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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 344023

CONDITIONS

|                                                                            |                                                                        |
|----------------------------------------------------------------------------|------------------------------------------------------------------------|
| Operator:<br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>4323                                                         |
|                                                                            | Action Number:<br>344023                                               |
|                                                                            | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

CONDITIONS

|            |           |                |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| nvelez     | None      | 6/3/2024       |