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TALON LPE

# Closure Report

Chevron 12 Federal # 3
Lea County, New Mexico
API ID # 30-025-30601
**Incident #s** NSAP0233641771 and NSAP0230537626

## Prepared For:

Matador Resources
5347 N. 26th Street 2nd Floor
Artesia, New Mexico 88210

## Prepared By:

Talon/LPE
408 W. Texas Avenue
Artesia, New Mexico 88210

## November 18, 2024

**NMOCD**
506 W. Texas Ave
Artesia, NM 88210

**BLM**
620 E. Greene St.
Carlsbad, NM 88220

Subject: **Closure Report**
Chevron 12 Federal # 3
Lea County, New Mexico
API # 30-025-30601
Incident # NSAP0233641771 / NSAP0230537626

To Whom It May Concern,

Matador Resources contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The incident description, soil sampling results, remedial actions and closure request are presented herein.

**Site Information**

The Chevron 12 Federal # 003 is located approximately 34 miles west of Hobbs, New Mexico. The legal location for this release is Unit Letter B, Section 12, Township 18 South and Range 32 East in Lea County, New Mexico. More specifically the latitude and longitude for the release are 32.7679596 and -103.7166214. A Site Location Map is presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is comprised of Pyote and Maljamer fine sands with, 0 to 3 percent slopes. The referenced soil data is presented in Appendix II. Per the New Mexico Bureau of Geology and Mineral Resources, the local geology consists of the Ogallala and Alluvial deposits.

**Groundwater and Site Characterization**

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 3 miles from the site and is recorded at 84 feet below ground surface (bgs). Further research of the Bureau of Land Management Karst data indicates that this site is situated within a low potential Karst area. The FEMA data base locates the site in a minimal flood hazard zone.

| Chevron 12 Federal #3 Site Characterization | |
|---|---|
| **What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs** | Between 75 and 100 (ft.) |
| **What method was used to determine the depth to ground water?** | Estimate or Other |
| **Did this release impact groundwater or surface water** | No |
| What is the minimum distance, between the closest lateral extents of the release and the following surface areas: | |
| **A continuously flowing watercourse or any other significant watercourse** | Greater than 5 miles |
| **Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)** | Between 1 and 5 mile |
| **An occupied permanent residence, school, hospital, institution, or church** | Greater than 5 miles |
| **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 mile |
| **Any other fresh water well or spring** | Between 1 and 5 mile |
| **Incorporated municipal boundaries or a defined municipal fresh water well field** | Greater than 5 miles |
| **A wetland** | Between 1/2 and 1 mile |
| **A subsurface mine** | Greater than 5 miles |
| **An (non-karst) unstable area** | Greater than 5 miles |
| **Categorize the risk of this well / site being in a karst geology** | Low |
| **A 100-year floodplain** | Greater than 5 miles |
| **Did the release impact areas not on an exploration, development, production, or storage site** | No |

| Approximate Depth to Groundwater | 65 feet bgs |
|---|---|
| ☐Yes ☒No | Within 300 feet of any continuously flowing watercourse or any other significant watercourse |
| ☐Yes ☒No | Within 200 feet of any lakebed, sinkhole or a playa lake |
| ☐Yes ☒No | Within 300 feet from an occupied permanent residence, school, hospital, institution or church |
| ☐Yes ☒No | Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes |
| ☐Yes ☒No | Within 1000 feet of any freshwater well or spring |
| ☐Yes ☒No | Within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978 |
| ☐Yes ☒No | Within 300 feet of a wetland |
| ☐Yes ☒No | Within the area overlying a subsurface mine |
| ☐Yes ☒No | Within an unstable area |
| ☐Yes ☒No | Within a 100-year floodplain |

Since depth to groundwater could not be verified within 0.5 miles of the site, the cleanup criteria for this site is as follows.

Table I
Closure Criteria for Soils Impacted by a Release

| Depth below horizontal extents of release to ground water less than 10,000 mg/l TDS | Constituent | Method | Limit |
|---|---|---|---|
| ≤ 50 feet | Total Chlorides | EPA 300.0 or SM4500 Cl B | 600 mg/kg |
| | TPH (GRO+DRO+MRO) | EPA SW-846 Method 8015M | 100 mg/kg |
| | BTEX | EPA SW-846 Method 8021B or 8260B | 50 mg/kg |
| | Benzene | EPA SW-846 Method 8021B or 8260B | 10 mg/kg |

## Incident Description

Matador Resources personnel noted a historical spill had been reported on October 16, 2002, that needed to be addressed. The initial C-141 submitted to the NMOCD stated that a 2" x 6" nipple on the bypass for the heater treater leaked, releasing approximately 65 barrels (bbls) of oil with six (6) bbls recovered. The historical release was assigned the incident numbers NSAP0233641771 and NSAP0230537626. The site location map is presented in Appendix I.

## Site Assessment

On March 21, 2023, upon client authorization, Talon mobilized personnel to the site to conduct an initial site assessment in the area of the current heater treater location. The impacted area was photographed, sampled utilizing a hand auger, and mapped. All soil samples were properly packaged in laboratory provided glassware, preserved on ice in the custody of Talon personnel, and transported to Eurofins Analytical Laboratory for analysis of Total Chlorides (EPA Method 300.0), Total Petroleum Hydrocarbons (TPH via EPA Method 8015), and Volatile Organics (BTEX, EPA Method 8021B). Sample locations are shown on the attached Figure 1 in Appendix I and the results of our sampling event are presented below.

**Table 1**
*Initial Assessment Analytical Laboratory Data*

| Sample ID | Sample Date | Depth (BGS) | Benzene mg/kg | BTEX mg/kg | GRO mg/kg | DRO mg/kg | MRO mg/kg | Total TPH mg/kg | Chlorides mg/kg |
|---|---|---|---|---|---|---|---|---|---|
| NMOCD Table 1 Closure Criteria 19.15.29 NMAC | | | 10 mg/kg | 50 mg/kg | DRO + GRO + MRO combined = 100 mg/kg | | | 100 mg/kg | 600 mg/kg |
| S-1 | 3/21/2023 | 1' | ND | ND | 34.6 | ND | ND | 34.6 | 3.51 |
| | 3/21/2023 | 3' | ND | ND | 33.5 | ND | ND | 33.5 | 0.92 |
| | 3/21/2023 | 4' | ND | ND | 38.8 | ND | ND | 38.8 | 1.82 |
| S-2 | 3/21/2023 | 1' | ND | ND | 36.7 | ND | ND | 36.7 | 5.36 |
| | 3/21/2023 | 3' | ND | ND | 23.1 | ND | ND | 23.1 | 2.97 |
| | 3/21/2023 | 4' | ND | ND | ND | ND | ND | 0 | 3.1 |
| S-3 | 3/21/2023 | 1' | ND | ND | 45.3 | ND | ND | 45.3 | 16.9 |
| | 3/21/2023 | 3' | ND | ND | 61.5 | ND | ND | 61.5 | 34.7 |
| | 3/21/2023 | 4' | ND | ND | 34.5 | ND | ND | 34.5 | 23.4 |
| S-4 | 3/21/2023 | 1' | ND | ND | 44.7 | ND | ND | 44.7 | 524 |
| | 3/21/2023 | 3' | ND | ND | 31.0 | ND | ND | 31 | 189 |
| | 3/21/2023 | 4' | ND | ND | 44.3 | ND | ND | 44.3 | 118 |
| S-5 | 3/21/2023 | 1' | ND | ND | 23.5 | ND | ND | 23.5 | 452 |
| | 3/21/2023 | 3' | ND | ND | 32.8 | ND | ND | 32.8 | 563 |
| | 3/21/2023 | 4' | ND | ND | 37.4 | ND | ND | 37.4 | 597 |

**NOTES:**

| | |
|---|---|
| **BGS** | Below ground surface |
| **mg/kg** | Milligrams per kilogram |
| **TPH** | Total Petroleum Hydrocarbons |
| **GRO** | Gasoline range organics |
| **DRO** | Diesel range organics |
| **MRO** | Motor oil range organics |
| **S** | Sample |
| **ND** | Analyte Not Detected |

**Highlighted cells indicate exceedance of NMOCD Table 1 Closure Criteria**

## Regulatory Response

On May 11, 2023, the NMOCD denied the submitted closure report. The NMOCD stated confirmation soil samples were not collected within the suspected area of release. Historic aerials show that the wellsite had been significantly reconstruction between 2014 and 2017. The reconstruction resulted in the heater treater being moved from the northeast corner of the well pad into the newly lined beamed area on the west side. The NMOCD requested for the historical location of the heater treater to be assessed and confirmation soil samples be collected at a minimum depth of 0.5 feet bgs.

## Corrective Action

On May 30, 2023, upon client authorization, Talon mobilized personnel to the site to conduct a site assessment, per the NMOCD correspondence. The impacted area was photographed, sampled utilizing a hand auger, and mapped. All soil samples were properly packaged in laboratory provided glassware, preserved on ice in the custody of Talon personnel, and transported to Cardinal Laboratory for analysis of Total Chlorides (Method SM4500Cl-B), Total Petroleum Hydrocarbons (TPH via EPA Method 8015M), and Volatile Organics (BTEX, EPA Method 8021B). Sample locations are shown on the attached Figure 2 in Appendix I and the results of our sampling event are presented in the following data table.

**Table 2**

*Additional Site Assessment Analytical Laboratory Data*

| Sample ID | Sample Date | Depth (BGS) | Benzene mg/kg | BTEX mg/kg | GRO mg/kg | DRO mg/kg | MRO mg/kg | Total TPH mg/kg | Chlorides mg/kg |
|---|---|---|---|---|---|---|---|---|---|
| NMOCD Table 1 Closure Criteria 19.15.29 NMAC | | | 10 mg/kg | 50 mg/kg | DRO + GRO + MRO combined = 100 mg/kg | | | 100 mg/kg | 600 mg/kg |
| S-6 | 5/30/23 | 0-1' | ND | ND | ND | 102 | 75.2 | 177.2 | 176 |
| | 5/30/23 | 2' | ND | ND | ND | ND | ND | - | 144 |
| | 5/30/23 | 4' | ND | ND | ND | ND | ND | - | 496 |
| S-7 | 5/30/23 | 0-1' | ND | ND | ND | ND | ND | - | 592 |
| | 5/30/23 | 2' | ND | ND | ND | ND | ND | - | 1040 |
| | 5/30/23 | 4' | ND | ND | ND | ND | ND | - | 2280 |
| S-8 | 5/30/23 | 0-1' | ND | ND | ND | ND | ND | - | 1200 |
| | 5/30/23 | 2' | ND | ND | ND | ND | ND | - | 1208 |
| | 5/30/23 | 4' | ND | ND | ND | ND | ND | - | 608 |
| S-9 | 5/30/23 | 0-1' | ND | ND | ND | ND | ND | - | 400 |
| | 5/30/23 | 2' | ND | ND | ND | ND | ND | - | 480 |
| | 5/30/23 | 4' | ND | ND | ND | ND | ND | - | 944 |
| S-10 | 5/30/23 | 0-1' | ND | ND | ND | ND | ND | - | 400 |
| | 5/30/23 | 2' | ND | ND | ND | ND | ND | - | 240 |
| | 5/30/23 | 4' | ND | ND | ND | ND | ND | - | 896 |
| S-11 | 5/30/23 | 0-1' | ND | ND | ND | ND | ND | - | 1020 |
| | 5/30/23 | 2' | ND | ND | ND | ND | ND | - | 1300 |
| | 5/30/23 | 4' | ND | ND | ND | ND | ND | - | 496 |
| S-12 | 5/30/23 | 0-1' | ND | ND | ND | ND | ND | - | 48.0 |
| | 5/30/23 | 2' | ND | ND | ND | ND | ND | - | 48.0 |
| | 5/30/23 | 4' | ND | ND | ND | ND | ND | - | 112 |

**NOTES:**

| | |
|---|---|
| **BGS** | Below ground surface |
| **mg/kg** | Milligrams per kilogram |
| **TPH** | Total Petroleum Hydrocarbons |
| **GRO** | Gasoline range organics |
| **DRO** | Diesel range organics |
| **MRO** | Motor oil range organics |
| **S** | Sample |
| **ND** | Analyte Not Detected |

**Highlighted cells indicate exceedance of NMOCD Table 1 Closure Criteria**

## Remediation Activities

On October 6, 2023, Talon personnel returned to excavate the impacted soils located around the suspected historical release area. The area was excavated to a final depth of 16 feet bgs and guided by field screening activities. On February 26, 2024, Talon returned to location and sampled for an addition 12 samples to achieve 200 sq./ft sampling criteria. The final confirmation samples were transported with the chain of custody to Envirotech Laboratories, for analysis of Total Chlorides (EPA Method 300.0/9056A), Total Petroleum Hydrocarbons (TPH, EPA Method 8015D) and Volatile Organics (BTEX, EPA 8260B). Sample locations are shown on the attached Figure 3 in Appendix I and the results of the confirmation sampling event are presented below.

**Table 3**
*Confirmation Analytical Laboratory Data*

| Chevron 12 Federal #3 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID** | **Sample Date** | **Depth (BGS)** | **Benzene mg/kg** | **BTEX mg/kg** | **GRO mg/kg** | **DRO mg/kg** | **MRO mg/kg** | **Total TPH mg/kg** | **Chlorides mg/kg** |
| **NMOCD Table 1 Closure Criteria 19.15.29 NMAC** | | | **10 mg/kg** | **50 mg/kg** | **DRO + GRO + MRO combined = 100 mg/kg** | | | **100 mg/kg** | **600 mg/kg** |
| **C-1** | 10/6/23 | 16' | ND | ND | ND | ND | ND | ND | 81.1 |
| | 2/26/24 | 16' | ND | ND | ND | 25.2 | 51 | 76.2 | 100 |
| **C-2** | 10/6/23 | 16' | ND | ND | ND | ND | ND | 0 | 78.4 |
| | 2/26/24 | 16' | ND | ND | ND | ND | ND | 0 | 100 |
| **C-3** | 2/26/24 | 16' | ND | ND | ND | 25.3 | 53.8 | 79.1 | 96.7 |
| **SW-1** | 10/6/23 | | ND | ND | ND | ND | ND | 0 | 64.2 |
| | 2/26/24 | | ND | ND | ND | 27.4 | 55.9 | 83.3 | 101 |
| **SW-2** | 10/6/23 | | ND | ND | ND | ND | ND | 0 | 61.7 |
| | 2/26/24 | | ND | ND | ND | 29.4 | 50.1 | 79.5 | 114 |
| **SW-3** | 2/26/24 | | ND | ND | ND | ND | ND | 0 | 101 |
| **SW-4** | 2/26/24 | | ND | ND | ND | ND | ND | 0 | 99.2 |
| **SW-5** | 2/26/24 | | ND | ND | ND | ND | ND | 0 | 103 |
| **SW-6** | 2/26/24 | | ND | ND | ND | ND | 51.5 | 51.5 | 103 |
| **SW-7** | 2/26/24 | | ND | ND | ND | 25.1 | 53.5 | 78.6 | 99.1 |
| **SW-8** | 2/26/24 | | ND | ND | ND | ND | 51.1 | 51.1 | 103 |
| **SW-9** | 2/26/24 | | ND | ND | ND | ND | 52.5 | 52.5 | 103 |

**NOTES:**

| | |
|---|---|
| **BGS** | Below ground surface |
| **mg/kg** | Milligrams per kilogram |
| **TPH** | Total Petroleum Hydrocarbons |
| **GRO** | Gasoline range organics |

**Highlighted cells indicate exceedance of NMOCD Table 1 Closure Criteria**

| | |
|---|---|
| **DRO** | Diesel range organics |
| **MRO** | Motor oil range organics |
| **C** | Confirmation Sample |
| **SW** | Sidewall Sample |
| **ND** | Analyte Not Detected |

## Remedial Action Summary

- The impacted area with a perimeter of 78 feet was excavated to a depth of 16 feet bgs. Field titrated soil samples for total chlorides was utilized to guide the vertical and horizontal extents of the excavation process. A total of three (3) composite floor samples and nine (9) composite sidewall samples were taken.

- Pursuant to NMOCD guidance, confirmation soil samples were collected at 200 square foot intervals and analyzed for TPH, BTEX and Total Chlorides to insure all areas had reached NMOCD closure criteria.

- The excavated areas were backfilled with new like material (caliche), machine compacted, and contoured to match the surrounding location.

- Approximately 247 cu/yds of contaminated material were removed and disposed at LeaLand.

- Site maps are listed as follows and are located in Appendix I.

  Figure 1. Initial Assessment Map
  Figure 2. Assessment Map
  Figure 3. Confirmation Map
  Figure 4. Site Location Map
  Figure 5. Topographic Map
  Figure 6. Karst Map

- Copies of the Final C-141s are presented in Appendix III.

- Photographic documentation is provided in Appendix IV.

## Closure

On behalf of Matador Resources, we respectfully request that no further actions be required and that closure of this incident be granted.

Respectfully submitted,

Talon/LPE

Chad Hensley
Project Manager

Attachments:

| | |
|---|---|
| Appendix I | Site Maps |
| Appendix II | Groundwater Data, Soil Survey, FEMA Flood Map |
| Appendix III | C-141 Form |
| Appendix IV | Photographic Documentation |
| Appendix V | Laboratory Report |

# Appendix I

Site Maps


TALON LPE

Drafted: 10/27/2023
1 in = 50 ft
Drafted By: IJR

Matador Resources Company
Chevron 12 Federal #3
Lea County, NM
Figure 1 - Initial Assessment Map


TALON LPE

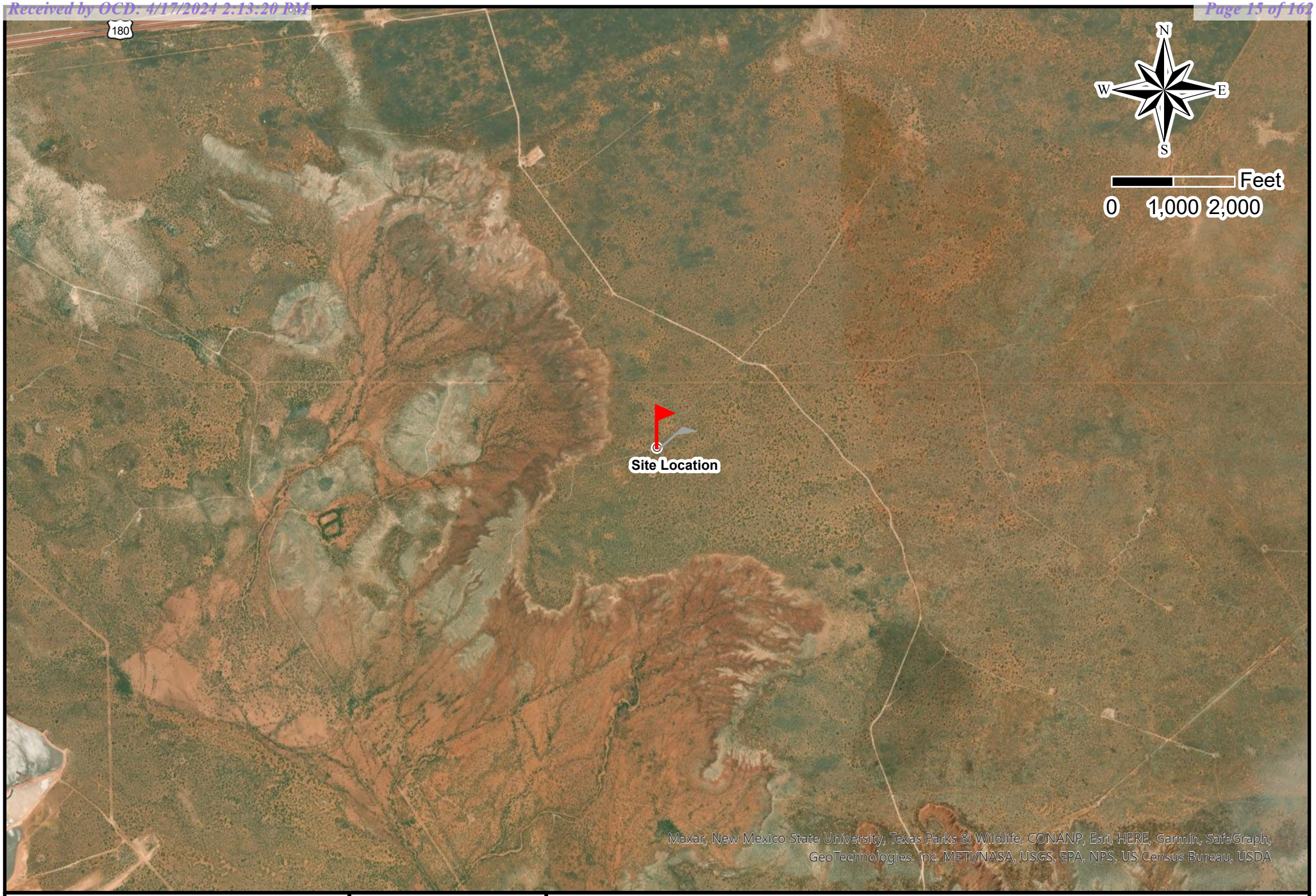
Drafted: 10/27/2023
1 in = 30 ft
Drafted By: IJR

Matador Resources Company
Chevron 12 Federal #3
Lea County, NM
Figure 2 - Assessment Map


TALON LPE

Drafted: 3/1/2024
1 in = 20 ft
Drafted By: JAI

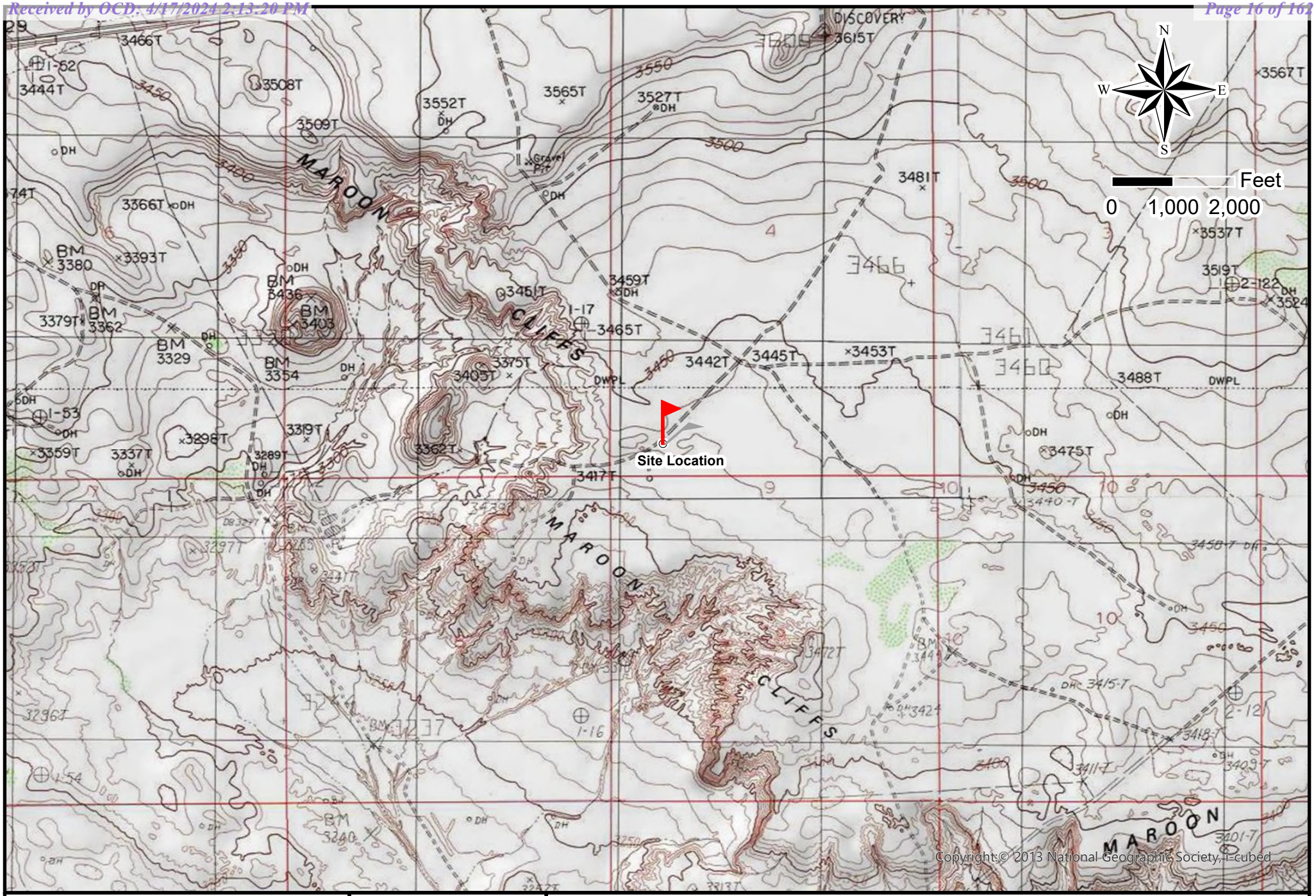
Matador Resources Company
Chevron 12 #3
Lea County, NM
Figure 3 - Confirmation Map




TALON LPE

Drafted: 10/23/2023
1 in = 2,000 ft
Drafted By: IJR

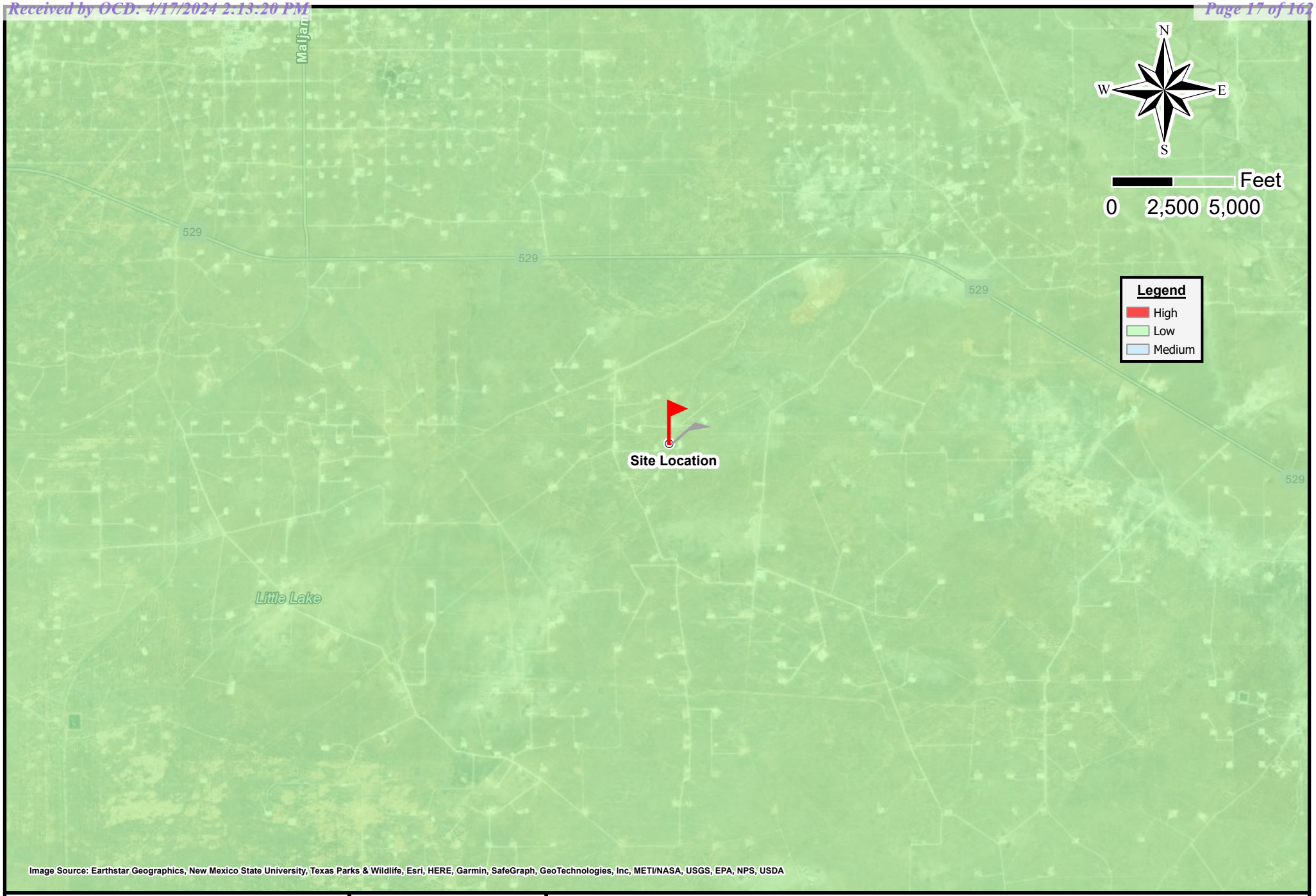
Matador Resources Company
Chevron 12 Federal #3
Lea County, NM
Figure 4 - Site Location Map




TALON LPE

Drafted: 10/23/2023
1 in = 2,000 ft
Drafted By: IJR

Matador Resources Company
Chevron 12 Federal #3
Lea County, NM
Figure 5 - Topographic Map




TALON LPE

Drafted: 10/23/2023
1 in = 5,000 ft
Drafted By: IJR

Matador Resources Company
Chevron 12 Federal #3
Lea County, NM
Figure 6 - Karst Map

# Appendix II

Groundwater Data

Soil Survey

FEMA Flood Map

# New Mexico Office of the State Engineer
# Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

| POD Number | POD Code | Sub-basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X | Y | Depth Well | Depth Water | Water Column |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CP 00566 POD1 | | CP | LE | 4 | 4 | 1 | 04 | 18S | 32E | 614960 | 3627280* | 133 | 65 | 68 |
| CP 00672 | | CP | LE | | 4 | 4 | 07 | 18S | 32E | 612475 | 3624947* | 524 | 430 | 94 |
| CP 00672 CLW475398 | O | CP | LE | | 4 | 4 | 07 | 18S | 32E | 612475 | 3624947* | 540 | 460 | 80 |
| CP 00677 | | CP | LE | | 1 | 1 | 26 | 18S | 32E | 617750 | 3621373* | 700 | | |
| CP 00814 POD1 | | CP | LE | | 2 | 2 | 08 | 18S | 32E | 614074 | 3626168* | 480 | | |
| CP 01938 POD1 | | CP | LE | 1 | 4 | 1 | 32 | 18S | 32E | 613277 | 3619332 | 51 | | |

Average Depth to Water: **318 feet**

Minimum Depth: **65 feet**

Maximum Depth: **460 feet**

**Record Count:** 6

**PLSS Search:**

**Township:** 18S **Range:** 32E

***UTM location was derived from PLSS - see Help**

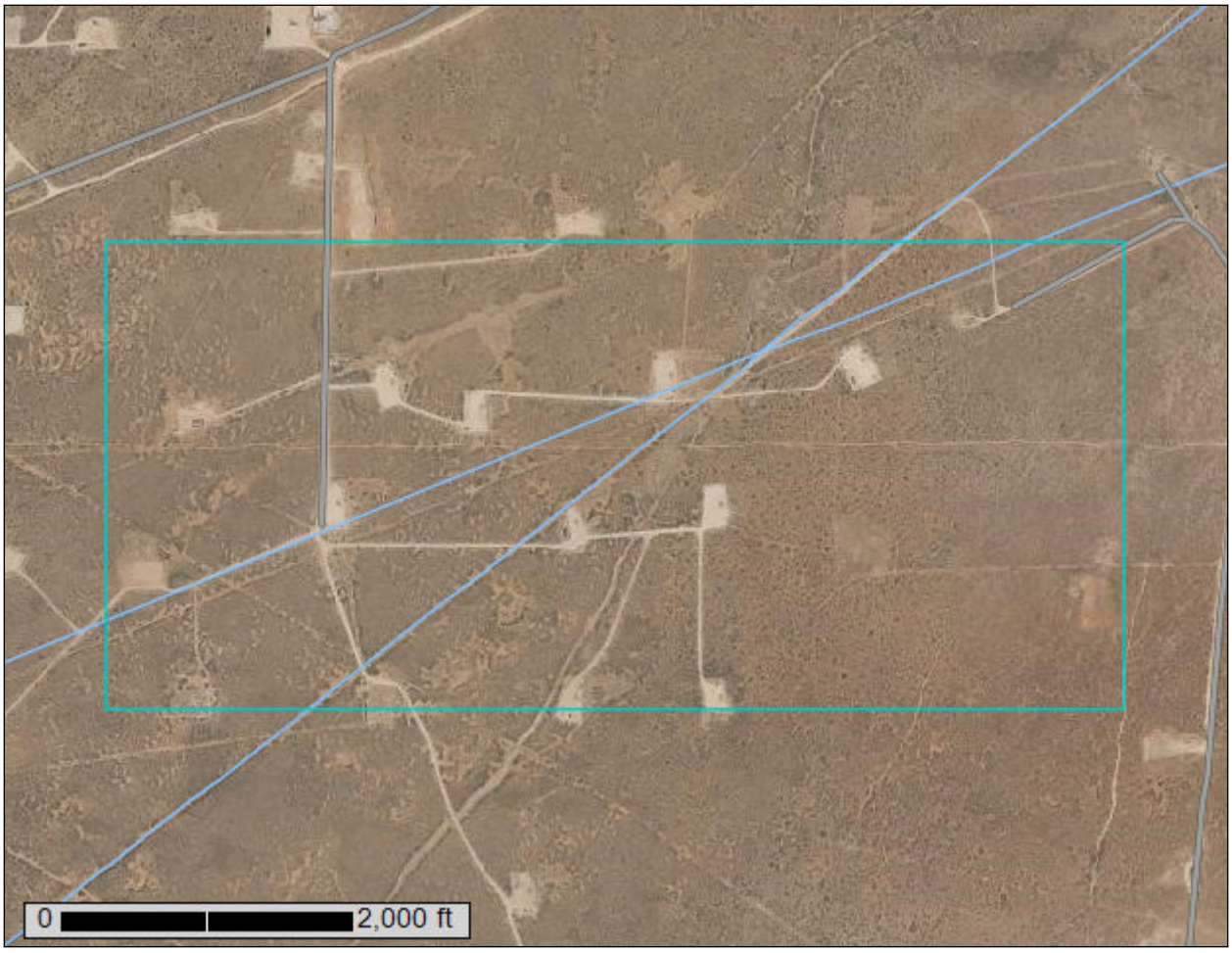
United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

# Custom Soil Resource Report for Lea County, New Mexico

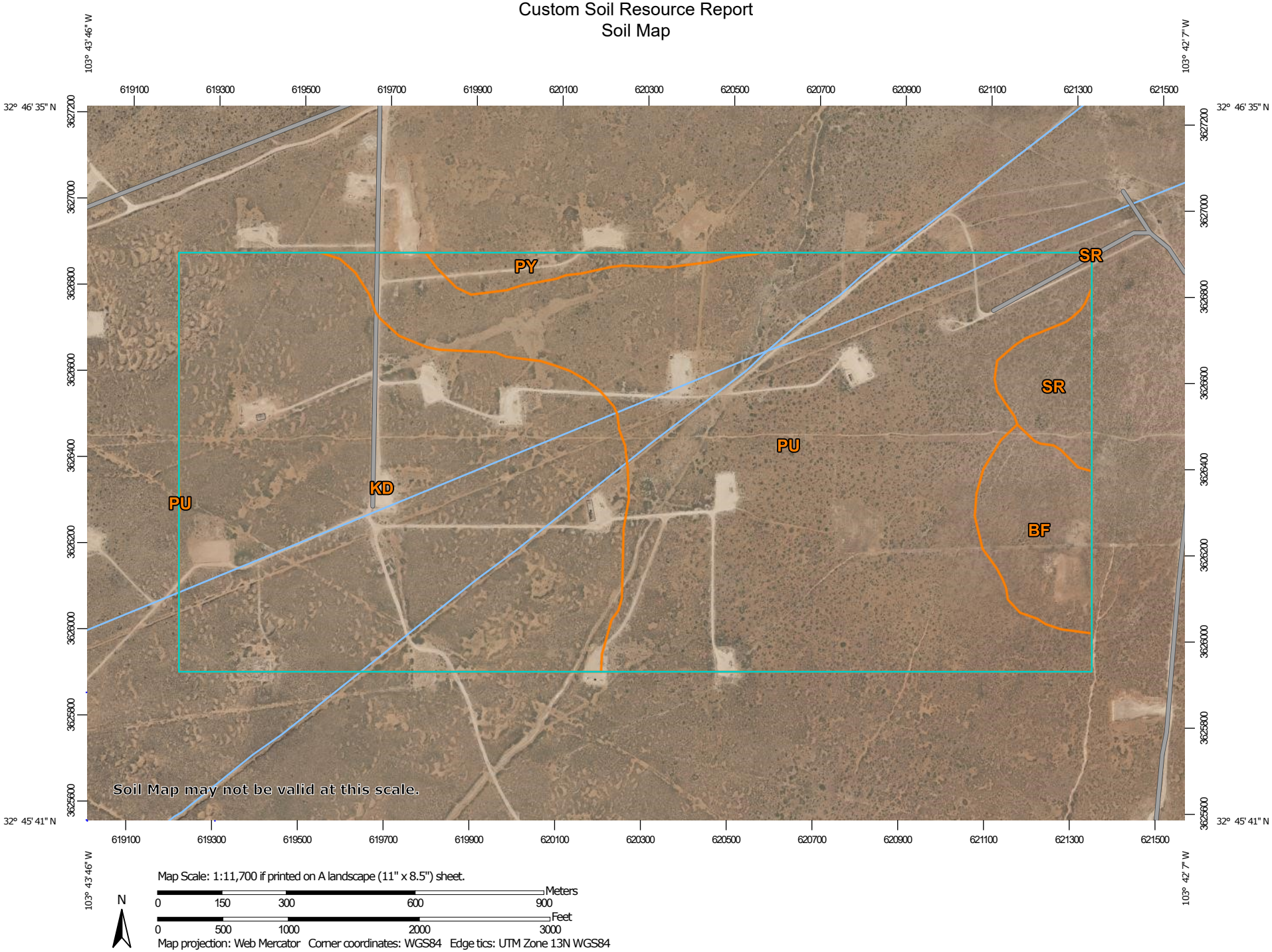



April 2, 2023

# Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

# Custom Soil Resource Report
## Soil Map



## MAP LEGEND

**Area of Interest (AOI)**
- Area of Interest (AOI)

**Soils**
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

**Special Point Features**
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

**Water Features**
- Streams and Canals

**Transportation**
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

**Background**
- Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 19, Sep 8, 2022

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

# Map Unit Legend

| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
|---|---|---|---|
| BF | Berino-Cacique fine sandy loams association | 24.2 | 4.7% |
| KD | Kermit-Palomas fine sands, 0 to 12 percent slopes | 212.1 | 41.3% |
| PU | Pyote and Maljamar fine sands | 254.3 | 49.5% |
| PY | Pyote soils and Dune land | 9.0 | 1.8% |
| SR | Simona-Upton association | 14.1 | 2.7% |
| **Totals for Area of Interest** | | **513.8** | **100.0%** |

# Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate

pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

# Lea County, New Mexico

## BF—Berino-Cacique fine sandy loams association

### Map Unit Setting

*National map unit symbol:* dmpf
*Elevation:* 3,000 to 3,900 feet
*Mean annual precipitation:* 10 to 15 inches
*Mean annual air temperature:* 60 to 62 degrees F
*Frost-free period:* 190 to 205 days
*Farmland classification:* Not prime farmland

### Map Unit Composition

*Berino and similar soils:* 50 percent
*Cacique and similar soils:* 40 percent
*Minor components:* 10 percent
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Berino

#### Setting

*Landform:* Plains
*Landform position (three-dimensional):* Rise
*Down-slope shape:* Linear
*Across-slope shape:* Linear
*Parent material:* Sandy eolian deposits derived from sedimentary rock over calcareous sandy alluvium derived from sedimentary rock

#### Typical profile

*A - 0 to 8 inches:* fine sandy loam
*Btk - 8 to 60 inches:* sandy clay loam

#### Properties and qualities

*Slope:* 0 to 3 percent
*Depth to restrictive feature:* More than 80 inches
*Drainage class:* Well drained
*Runoff class:* Low
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.60 to 2.00 in/hr)
*Depth to water table:* More than 80 inches
*Frequency of flooding:* None
*Frequency of ponding:* None
*Calcium carbonate, maximum content:* 40 percent
*Gypsum, maximum content:* 1 percent
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
*Sodium adsorption ratio, maximum:* 2.0
*Available water supply, 0 to 60 inches:* Moderate (about 8.7 inches)

#### Interpretive groups

*Land capability classification (irrigated):* None specified
*Land capability classification (nonirrigated):* 7c
*Hydrologic Soil Group:* B
*Ecological site:* R070BD004NM - Sandy
*Hydric soil rating:* No

### Description of Cacique

#### Setting

*Landform:* Plains
*Landform position (three-dimensional):* Rise
*Down-slope shape:* Linear
*Across-slope shape:* Linear
*Parent material:* Calcareous eolian deposits derived from sedimentary rock

#### Typical profile

*A - 0 to 8 inches:* fine sandy loam
*Bt - 8 to 28 inches:* sandy clay loam
*Bkm - 28 to 38 inches:* cemented material

#### Properties and qualities

*Slope:* 0 to 3 percent
*Depth to restrictive feature:* 20 to 40 inches to petrocalcic
*Drainage class:* Well drained
*Runoff class:* High
*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.06 in/hr)
*Depth to water table:* More than 80 inches
*Frequency of flooding:* None
*Frequency of ponding:* None
*Calcium carbonate, maximum content:* 5 percent
*Gypsum, maximum content:* 1 percent
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
*Sodium adsorption ratio, maximum:* 2.0
*Available water supply, 0 to 60 inches:* Low (about 4.0 inches)

#### Interpretive groups

*Land capability classification (irrigated):* None specified
*Land capability classification (nonirrigated):* 7c
*Hydrologic Soil Group:* C
*Ecological site:* R070BD004NM - Sandy
*Hydric soil rating:* No

### Minor Components

#### Kermit

*Percent of map unit:* 4 percent
*Ecological site:* R070BD005NM - Deep Sand
*Hydric soil rating:* No

#### Wink

*Percent of map unit:* 3 percent
*Ecological site:* R070BD003NM - Loamy Sand
*Hydric soil rating:* No

#### Pyote

*Percent of map unit:* 3 percent
*Ecological site:* R070BD003NM - Loamy Sand
*Hydric soil rating:* No

## KD—Kermit-Palomas fine sands, 0 to 12 percent slopes

### Map Unit Setting

*National map unit symbol:* dmpv
*Elevation:* 3,000 to 4,400 feet
*Mean annual precipitation:* 10 to 12 inches
*Mean annual air temperature:* 60 to 62 degrees F
*Frost-free period:* 190 to 205 days
*Farmland classification:* Not prime farmland

### Map Unit Composition

*Kermit and similar soils:* 70 percent
*Palomas and similar soils:* 20 percent
*Minor components:* 10 percent
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Kermit

#### Setting

*Landform:* Dunes
*Landform position (two-dimensional):* Shoulder, backslope, footslope
*Landform position (three-dimensional):* Side slope
*Down-slope shape:* Concave, linear, convex
*Across-slope shape:* Convex
*Parent material:* Calcareous sandy eolian deposits derived from sedimentary rock

#### Typical profile

*A - 0 to 8 inches:* fine sand
*C - 8 to 60 inches:* fine sand

#### Properties and qualities

*Slope:* 3 to 12 percent
*Depth to restrictive feature:* More than 80 inches
*Drainage class:* Excessively drained
*Runoff class:* Very low
*Capacity of the most limiting layer to transmit water (Ksat):* Very high (20.00 in/hr)
*Depth to water table:* More than 80 inches
*Frequency of flooding:* None
*Frequency of ponding:* None
*Maximum salinity:* Nonsaline (0.0 to 1.0 mmhos/cm)
*Sodium adsorption ratio, maximum:* 2.0
*Available water supply, 0 to 60 inches:* Low (about 3.1 inches)

#### Interpretive groups

*Land capability classification (irrigated):* None specified
*Land capability classification (nonirrigated):* 7e
*Hydrologic Soil Group:* A
*Ecological site:* R070BD005NM - Deep Sand
*Hydric soil rating:* No

### Description of Palomas

#### Setting

*Landform:* Dunes
*Landform position (two-dimensional):* Shoulder, backslope, footslope
*Landform position (three-dimensional):* Side slope
*Down-slope shape:* Convex, linear, concave
*Across-slope shape:* Convex
*Parent material:* Alluvium derived from sandstone

#### Typical profile

*A - 0 to 16 inches:* fine sand
*Bt - 16 to 60 inches:* sandy clay loam
*Bk - 60 to 66 inches:* sandy loam

#### Properties and qualities

*Slope:* 0 to 5 percent
*Depth to restrictive feature:* More than 80 inches
*Drainage class:* Well drained
*Runoff class:* Low
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.60 to 2.00 in/hr)
*Depth to water table:* More than 80 inches
*Frequency of flooding:* None
*Frequency of ponding:* None
*Calcium carbonate, maximum content:* 50 percent
*Gypsum, maximum content:* 1 percent
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
*Sodium adsorption ratio, maximum:* 2.0
*Available water supply, 0 to 60 inches:* Moderate (about 7.5 inches)

#### Interpretive groups

*Land capability classification (irrigated):* None specified
*Land capability classification (nonirrigated):* 7e
*Hydrologic Soil Group:* B
*Ecological site:* R070BD003NM - Loamy Sand
*Hydric soil rating:* No

### Minor Components

#### Pyote

*Percent of map unit:* 4 percent
*Ecological site:* R070BD003NM - Loamy Sand
*Hydric soil rating:* No

#### Maljamar

*Percent of map unit:* 4 percent
*Ecological site:* R070BD003NM - Loamy Sand
*Hydric soil rating:* No

#### Palomas

*Percent of map unit:* 1 percent
*Ecological site:* R070BD003NM - Loamy Sand
*Hydric soil rating:* No

#### Dune land

*Percent of map unit:* 1 percent

*Hydric soil rating:* No

## PU—Pyote and Maljamar fine sands

### Map Unit Setting

*National map unit symbol:* dmqq
*Elevation:* 3,000 to 3,900 feet
*Mean annual precipitation:* 10 to 12 inches
*Mean annual air temperature:* 60 to 62 degrees F
*Frost-free period:* 190 to 205 days
*Farmland classification:* Not prime farmland

### Map Unit Composition

*Pyote and similar soils:* 46 percent
*Maljamar and similar soils:* 44 percent
*Minor components:* 10 percent
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Pyote

#### Setting

*Landform:* Plains
*Landform position (three-dimensional):* Rise
*Down-slope shape:* Linear
*Across-slope shape:* Linear
*Parent material:* Sandy eolian deposits derived from sedimentary rock

#### Typical profile

*A - 0 to 30 inches:* fine sand
*Bt - 30 to 60 inches:* fine sandy loam

#### Properties and qualities

*Slope:* 0 to 3 percent
*Depth to restrictive feature:* More than 80 inches
*Drainage class:* Well drained
*Runoff class:* Negligible
*Capacity of the most limiting layer to transmit water (Ksat):* High (2.00 to 6.00 in/hr)
*Depth to water table:* More than 80 inches
*Frequency of flooding:* None
*Frequency of ponding:* None
*Calcium carbonate, maximum content:* 5 percent
*Gypsum, maximum content:* 1 percent
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
*Sodium adsorption ratio, maximum:* 2.0
*Available water supply, 0 to 60 inches:* Low (about 5.1 inches)

#### Interpretive groups

*Land capability classification (irrigated):* 6e
*Land capability classification (nonirrigated):* 7s

*Hydrologic Soil Group:* A
*Ecological site:* R070BD003NM - Loamy Sand
*Hydric soil rating:* No

### Description of Maljamar

#### Setting

*Landform:* Plains
*Landform position (three-dimensional):* Rise
*Down-slope shape:* Linear
*Across-slope shape:* Linear
*Parent material:* Sandy eolian deposits derived from sedimentary rock

#### Typical profile

*A - 0 to 24 inches:* fine sand
*Bt - 24 to 50 inches:* sandy clay loam
*Bkm - 50 to 60 inches:* cemented material

#### Properties and qualities

*Slope:* 0 to 3 percent
*Depth to restrictive feature:* 40 to 60 inches to petrocalcic
*Drainage class:* Well drained
*Runoff class:* Very low
*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.06 in/hr)
*Depth to water table:* More than 80 inches
*Frequency of flooding:* None
*Frequency of ponding:* None
*Calcium carbonate, maximum content:* 5 percent
*Gypsum, maximum content:* 1 percent
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
*Sodium adsorption ratio, maximum:* 2.0
*Available water supply, 0 to 60 inches:* Low (about 5.6 inches)

#### Interpretive groups

*Land capability classification (irrigated):* 6e
*Land capability classification (nonirrigated):* 7e
*Hydrologic Soil Group:* B
*Ecological site:* R070BD003NM - Loamy Sand
*Hydric soil rating:* No

### Minor Components

#### Kermit

*Percent of map unit:* 10 percent
*Ecological site:* R070BC022NM - Sandhills
*Hydric soil rating:* No

## PY—Pyote soils and Dune land

### Map Unit Setting

*National map unit symbol:* dmqr
*Elevation:* 3,000 to 4,400 feet
*Mean annual precipitation:* 10 to 15 inches
*Mean annual air temperature:* 60 to 64 degrees F
*Frost-free period:* 190 to 220 days
*Farmland classification:* Not prime farmland

### Map Unit Composition

*Pyote and similar soils:* 46 percent
*Dune land:* 44 percent
*Minor components:* 10 percent
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Pyote

#### Setting

*Landform:* Depressions
*Landform position (two-dimensional):* Footslope
*Landform position (three-dimensional):* Base slope
*Down-slope shape:* Concave
*Across-slope shape:* Concave
*Parent material:* Sandy eolian deposits derived from sedimentary rock

#### Typical profile

*A - 0 to 30 inches:* fine sand
*Bt - 30 to 60 inches:* fine sandy loam

#### Properties and qualities

*Slope:* 0 to 3 percent
*Depth to restrictive feature:* More than 80 inches
*Drainage class:* Well drained
*Runoff class:* Negligible
*Capacity of the most limiting layer to transmit water (Ksat):* High (2.00 to 6.00 in/hr)
*Depth to water table:* More than 80 inches
*Frequency of flooding:* None
*Frequency of ponding:* None
*Calcium carbonate, maximum content:* 5 percent
*Gypsum, maximum content:* 1 percent
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
*Sodium adsorption ratio, maximum:* 2.0
*Available water supply, 0 to 60 inches:* Low (about 5.1 inches)

#### Interpretive groups

*Land capability classification (irrigated):* 6e
*Land capability classification (nonirrigated):* 7s

*Hydrologic Soil Group:* A
*Ecological site:* R070BD003NM - Loamy Sand
*Hydric soil rating:* No

**Description of Dune Land**

**Setting**

*Landform:* Dunes
*Landform position (two-dimensional):* Backslope, shoulder
*Landform position (three-dimensional):* Side slope
*Down-slope shape:* Linear, convex
*Across-slope shape:* Convex
*Parent material:* Sandy eolian deposits derived from sedimentary rock

**Typical profile**

*A - 0 to 6 inches:* fine sand
*C - 6 to 60 inches:* fine sand

**Interpretive groups**

*Land capability classification (irrigated):* None specified
*Land capability classification (nonirrigated):* 8
*Hydrologic Soil Group:* A
*Hydric soil rating:* No

**Minor Components**

**Kermit**

*Percent of map unit:* 5 percent
*Ecological site:* R070BC022NM - Sandhills
*Hydric soil rating:* No

**Maljamar, fine sand**

*Percent of map unit:* 3 percent
*Ecological site:* R070BD003NM - Loamy Sand
*Hydric soil rating:* No

**Wink**

*Percent of map unit:* 2 percent
*Ecological site:* R070BD003NM - Loamy Sand
*Hydric soil rating:* No

## SR—Simona-Upton association

**Map Unit Setting**

*National map unit symbol:* dmr3
*Elevation:* 3,000 to 4,400 feet
*Mean annual precipitation:* 10 to 16 inches
*Mean annual air temperature:* 58 to 62 degrees F
*Frost-free period:* 190 to 205 days
*Farmland classification:* Not prime farmland

**Map Unit Composition**

*Simona and similar soils:* 50 percent
*Upton and similar soils:* 35 percent
*Minor components:* 15 percent
*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Simona**

**Setting**

*Landform:* Ridges
*Landform position (two-dimensional):* Shoulder
*Landform position (three-dimensional):* Rise
*Down-slope shape:* Convex
*Across-slope shape:* Linear
*Parent material:* Calcareous eolian deposits derived from sedimentary rock

**Typical profile**

*A - 0 to 8 inches:* gravelly fine sandy loam
*Bk - 8 to 16 inches:* fine sandy loam
*Bkm - 16 to 26 inches:* cemented material

**Properties and qualities**

*Slope:* 0 to 3 percent
*Depth to restrictive feature:* 7 to 20 inches to petrocalcic
*Drainage class:* Well drained
*Runoff class:* Very high
*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.06 in/hr)
*Depth to water table:* More than 80 inches
*Frequency of flooding:* None
*Frequency of ponding:* None
*Calcium carbonate, maximum content:* 50 percent
*Gypsum, maximum content:* 1 percent
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
*Sodium adsorption ratio, maximum:* 2.0
*Available water supply, 0 to 60 inches:* Very low (about 1.9 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified
*Land capability classification (nonirrigated):* 7s
*Hydrologic Soil Group:* D
*Ecological site:* R070BD002NM - Shallow Sandy
*Hydric soil rating:* No

**Description of Upton**

**Setting**

*Landform:* Ridges
*Landform position (two-dimensional):* Shoulder
*Landform position (three-dimensional):* Rise
*Down-slope shape:* Convex
*Across-slope shape:* Linear
*Parent material:* Calcareous eolian deposits derived from sedimentary rock

**Typical profile**

*A - 0 to 8 inches:* gravelly loam

*Bkm - 8 to 18 inches:* cemented material
*BCk - 18 to 60 inches:* very gravelly loam

**Properties and qualities**

*Slope:* 0 to 3 percent
*Depth to restrictive feature:* 7 to 20 inches to petrocalcic
*Drainage class:* Well drained
*Runoff class:* Medium
*Capacity of the most limiting layer to transmit water (Ksat):* Low to moderately high (0.01 to 0.60 in/hr)
*Depth to water table:* More than 80 inches
*Frequency of flooding:* None
*Frequency of ponding:* None
*Calcium carbonate, maximum content:* 75 percent
*Gypsum, maximum content:* 1 percent
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
*Sodium adsorption ratio, maximum:* 2.0
*Available water supply, 0 to 60 inches:* Very low (about 0.9 inches)

**Interpretive groups**

*Land capability classification (irrigated):* 6e
*Land capability classification (nonirrigated):* 7s
*Hydrologic Soil Group:* D
*Ecological site:* R070BC025NM - Shallow
*Hydric soil rating:* No

**Minor Components**

**Kimbrough**

*Percent of map unit:* 6 percent
*Ecological site:* R077CY037TX - Very Shallow 16-21" PZ
*Hydric soil rating:* No

**Stegall**

*Percent of map unit:* 5 percent
*Ecological site:* R077CY028TX - Limy Upland 16-21" PZ
*Hydric soil rating:* No

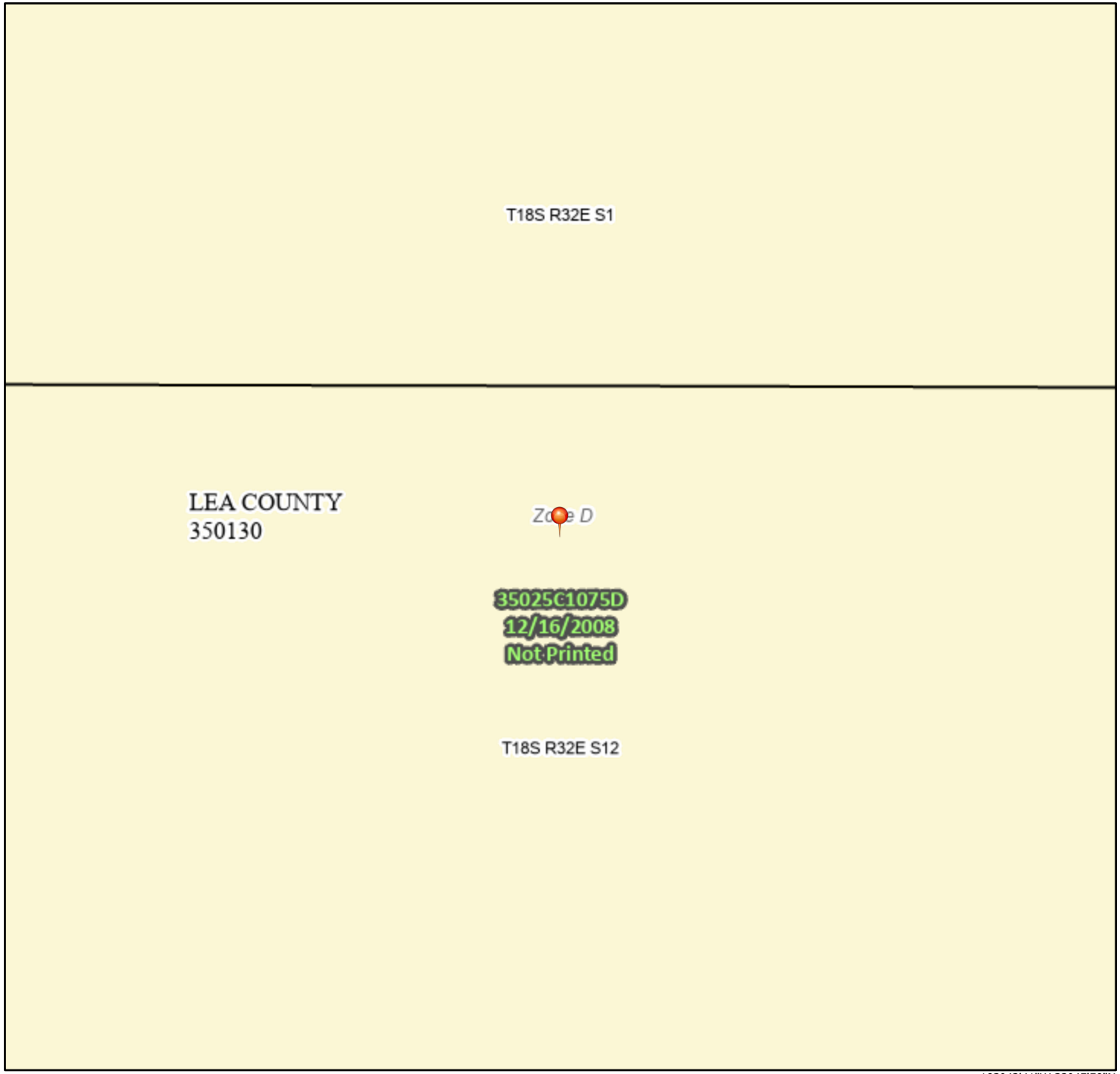
**Slaughter**

*Percent of map unit:* 4 percent
*Ecological site:* R077CY028TX - Limy Upland 16-21" PZ
*Hydric soil rating:* No

# National Flood Hazard Layer FIRMette

FEMA

103°43'19"W 32°46'20"N




103°42'41"W 32°45'50"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000



Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

- SPECIAL FLOOD HAZARD AREAS
  - Without Base Flood Elevation (BFE) *Zone A, V, A99*
  - With BFE or Depth *Zone AE, AO, AH, VE, AR*
  - Regulatory Floodway
- OTHER AREAS OF FLOOD HAZARD
  - 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
  - Future Conditions 1% Annual Chance Flood Hazard *Zone X*
  - Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
  - Area with Flood Risk due to Levee *Zone D*
- OTHER AREAS
  - NO SCREEN Area of Minimal Flood Hazard *Zone X*
  - Effective LOMRs
  - Area of Undetermined Flood Hazard *Zone D*
- GENERAL STRUCTURES
  - Channel, Culvert, or Storm Sewer
  - Levee, Dike, or Floodwall
- OTHER FEATURES
  - 20.2 Cross Sections with 1% Annual Chance
  - 17.5 Water Surface Elevation
  - Coastal Transect
  - 513 Base Flood Elevation Line (BFE)
  - Limit of Study
  - Jurisdiction Boundary
  - Coastal Transect Baseline
  - Profile Baseline
  - Hydrographic Feature
- MAP PANELS
  - Digital Data Available
  - No Digital Data Available
  - Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/2/2023 at 9:15 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

# Appendix III

C-141 Forms

Correspondence

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

| | |
|---|---|
| Incident ID | NSAP0230537626 |
| District RP | |
| Facility ID | |
| Application ID | |

# Release Notification

## Responsible Party

| | | | |
|---|---|---|---|
| Responsible Party | Matador Resources | OGRID | 228937 |
| Contact Name | Clinton Talley | Contact Telephone | 337-319-8398 |
| Contact email | clinton.talley@matadorresources.com | Incident # *(assigned by OCD)* | NSAP0230537626 |
| Contact mailing address | 5347 N. 26th Street 2nd Floor, Artesia, NM 88210 | | |

## Location of Release Source

Latitude 32.7679596 Longitude -103.7166214
*(NAD 83 in decimal degrees to 5 decimal places)*

| | | | |
|---|---|---|---|
| Site Name | -103.7166214 | Site Type | Oil |
| Date Release Discovered | 10/16/2002 | API# *(if applicable)* | 30-025-30601 |

| Unit Letter | Section | Township | Range | County |
|---|---|---|---|---|
| B | 12 | 18S | 32E | Lea |

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (*Name:* _____)

## Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

| | | |
|---|---|---|
| ☒ Crude Oil | Volume Released (bbls) 65 | Volume Recovered (bbls) 9 |
| ☐ Produced Water | Volume Released (bbls) | Volume Recovered (bbls) |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | ☐ Yes ☐ No |
| ☐ Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| ☐ Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| ☐ Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |

Cause of Release

2"X6" NIPPLE ON BYPASS FOR HEATER TREATER HAD LEAK. OIL AND WATER STAYED MAINLY ON LOCATION, WITH A FEW BBLS ON THE OAK SCRUB AND PRAIRIE GRASS.

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | |
| District RP | |
| Facility ID | |
| Application ID | |

| | |
|---|---|
| Was this a major release as defined by 19.15.29.7(A) NMAC?<br>☒ Yes ☐ No | If YES, for what reason(s) does the responsible party consider this a major release?<br>Greater than 25bbl. |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? | |

## 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.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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.

Printed Name: Clinton Talley  Title: EHS

Signature: Clint Talley  Date: 4/17/2024

email: clinton.talley@matadorresources.com  Telephone: 337-319-8398

**OCD Only**

Received by: _____  Date: _____

| | |
|---|---|
| Incident ID | |
| District RP | |
| Facility ID | |
| Application ID | |

# Site Assessment/Characterization

*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? | _____ (ft bgs) |
| Did this release impact groundwater or surface water? | ☐ Yes ☒ No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | ☐ Yes ☒ No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | ☐ Yes ☒ No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | ☐ Yes ☒ No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | ☐ Yes ☒ No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | ☐ Yes ☒ No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | ☐ Yes ☒ No |
| Are the lateral extents of the release within 300 feet of a wetland? | ☐ Yes ☒ No |
| Are the lateral extents of the release overlying a subsurface mine? | ☐ Yes ☒ No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | ☐ Yes ☒ No |
| Are the lateral extents of the release within a 100-year floodplain? | ☐ Yes ☒ No |
| Did the release impact areas **not** on an exploration, development, production, or storage site? | ☐ Yes ☒ No |

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

**Characterization Report Checklist**: ***Each of the following items must be included in the report.***

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | |
| District RP | |
| Facility ID | |
| Application ID | |

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.

Printed Name: Clinton Talley Title: EHS

Signature: Clint Talley Date: 4/17/2024

email: clinton.talley@matadorresources.com Telephone: 337-319-8398

**OCD Only**

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | |
| District RP | |
| Facility ID | |
| Application ID | |

# Closure

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 (electronic submittals in .pdf format are preferred) 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.

**Closure Report Attachment Checklist**: ***Each of the following items must be included in the closure report.***

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

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.

Printed Name: Clinton Talley Title: EHS

Signature: Clint Talley Date: 4/17/2024

email: clinton.talley@matadorresources.com Telephone: 337-319-8398

**OCD Only**

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

**From:** Wells, Shelly, EMNRD
**To:** Chad Hensley; Hall, Brittany, EMNRD
**Cc:** Clinton Talley; Nathaniel Rose; Bratcher, Michael, EMNRD
**Subject:** RE: [EXTERNAL] NSAP0233641771 and NSAP0230537626 Chevron 12 #3 confirmation sampling event
**Date:** Tuesday, October 3, 2023 11:57:09 AM
**Attachments:** image001.png
image002.png

This message originated from an **External Source**. Please use proper judgment and caution when opening attachments, clicking links, or responding to this email.

Hi Chad,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

**From:** Chad Hensley <chensley@talonlpe.com>
**Sent:** Tuesday, October 3, 2023 11:13 AM
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
**Cc:** Clinton Talley <clinton.talley@matadorresources.com>; Nathaniel Rose <nrose@talonlpe.com>
**Subject:** [EXTERNAL] NSAP0233641771 and NSAP0230537626 Chevron 12 #3 confirmation sampling event

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

To whom it may concern. Talon of behalf of Matador is scheduling a confirmation sampling event on (10/6/23) at 9am for the Chevron 12 Fed #3.

Location: B-12-18S-32E
Lat & Long: 32.7679596,-103.7166214
Incident Number: **NSAP0233641771 and NSAP0230537626**

**Chad Hensley**
**Environmental Project Manager**
Office: 575.746.8768 x708
Direct: 575.616.4023

Cell: 575.246.0032
Fax: 575.746.8905
Emergency: 866.742.0742
Web: **www.talonlpe.com**

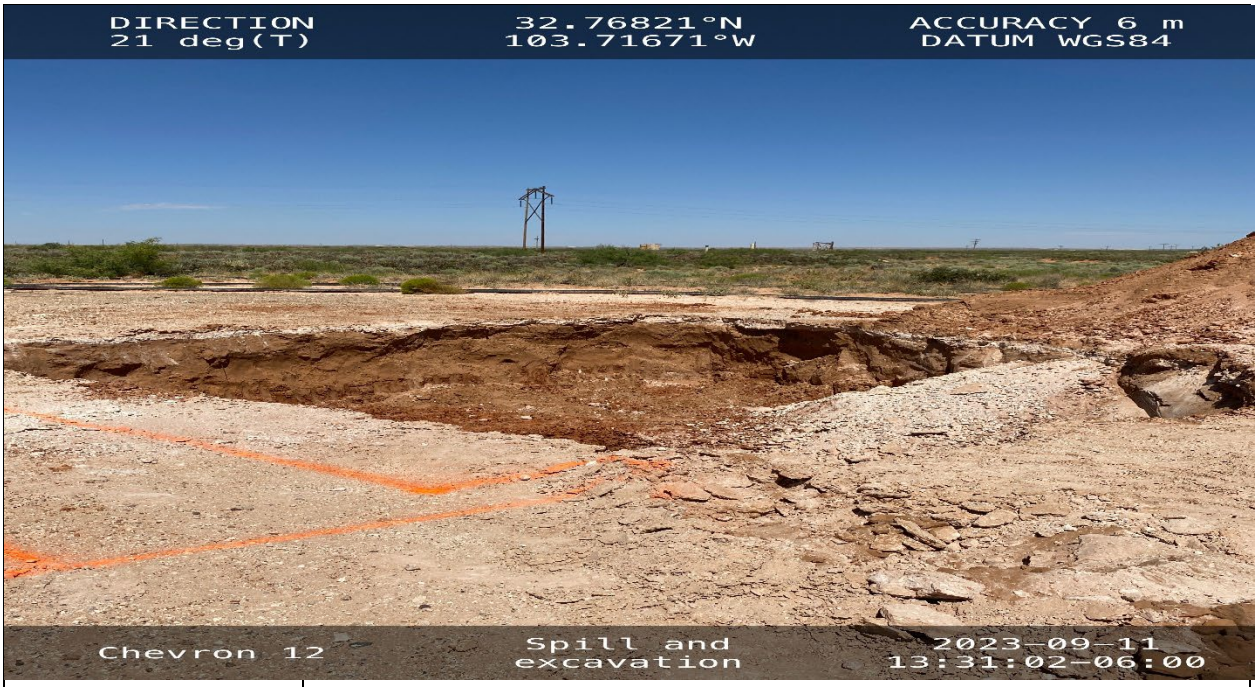
At Talon/LPE, we are quality in all things, including communication. Have a question? Need a quote? Send an email to clientrelations@talonlpe.com.

# Appendix IV

Photographic Documentation

Matador Resources
Chevron 12 Fed #003
Lea County, New Mexico


| | |
|---|---|
| **Photograph No.1 Description:** | View of excavation activities. |




| | |
|---|---|
| **Photograph No.2 Description:** | View of excavation activities. |

Matador Resources
Chevron 12 Fed #003
Lea County, New Mexico


| | |
|---|---|
| **Photograph No.3 Description:** | View of final excavation. |


| | |
|---|---|
| **Photograph No.4 Description:** | Excavation depth of 16 feet bgs. |


| | |
|---|---|
| **Photograph No.5 Description:** | Backfilled excavation. |

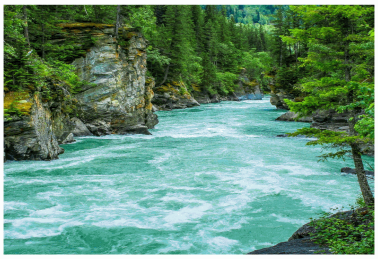

| | |
|---|---|
| **Photograph No.6 Description:** | Backfilled excavation. |

# Appendix V

Laboratory Reports

Report to:

Chad Hensley



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

NELAP ACCREDITED TNI LABORATORY

# envirotech

***Practical Solutions for a Better Tomorrow***

## Analytical Report

Matador Resources, LLC.

| | |
|---|---|
| Project Name: | Chevron 12 |
| Work Order: | E310052 |
| Job Number: | 23042-0001 |
| Received: | 10/9/2023 |

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/12/23

Date Reported: 10/12/23

Chad Hensley
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Chevron 12
Workorder: E310052
Date Received: 10/9/2023 8:25:00AM

Chad Hensley,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/9/2023 8:25:00AM, under the Project Name: Chevron 12.

The analytical test results summarized in this report with the Project Name: Chevron 12 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

**Raina Schwanz**
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

**Alexa Michaels**
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

**Southern New Mexico Area**

**Lynn Jarboe**
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

**Michelle Golzales**
Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

# Table of Contents

# Sample Summary

| | | | |
|---|---|---|---|
| Matador Resources, LLC. | Project Name: | Chevron 12 | **Reported:** |
| 5400 LBJ Freeway, Suite 1500 | Project Number: | 23042-0001 | |
| Dallas TX, 75240 | Project Manager: | Chad Hensley | 10/12/23 10:15 |

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|---|---|---|---|---|---|
| SW-1 | E310052-01A | Soil | 10/06/23 | 10/09/23 | Glass Jar, 2 oz. |
| SW-2 | E310052-02A | Soil | 10/06/23 | 10/09/23 | Glass Jar, 2 oz. |
| C-1 16' | E310052-03A | Soil | 10/06/23 | 10/09/23 | Glass Jar, 2 oz. |
| C-2 16' | E310052-04A | Soil | 10/06/23 | 10/09/23 | Glass Jar, 2 oz. |

# Sample Data

| | | | |
|---|---|---|---|
| Matador Resources, LLC. | Project Name: | Chevron 12 | |
| 5400 LBJ Freeway, Suite 1500 | Project Number: | 23042-0001 | **Reported:** |
| Dallas TX, 75240 | Project Manager: | Chad Hensley | 10/12/2023 10:15:04AM |

**SW-1**

**E310052-01**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2341023 |
| Benzene | ND | 0.0250 | 1 | 10/09/23 | 10/10/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 10/09/23 | 10/10/23 | |
| Toluene | ND | 0.0250 | 1 | 10/09/23 | 10/10/23 | |
| o-Xylene | ND | 0.0250 | 1 | 10/09/23 | 10/10/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 10/09/23 | 10/10/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 10/09/23 | 10/10/23 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *93.3 %* | *70-130* | *10/09/23* | *10/10/23* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2341023 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 10/09/23 | 10/10/23 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *90.2 %* | *70-130* | *10/09/23* | *10/10/23* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2341025 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 10/09/23 | 10/11/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 10/09/23 | 10/11/23 | |
| *Surrogate: n-Nonane* | | *88.3 %* | *50-200* | *10/09/23* | *10/11/23* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: BA | | | Batch: 2341020 |
| Chloride | **64.2** | 20.0 | 1 | 10/09/23 | 10/11/23 | |

# Sample Data

| | | | |
|---|---|---|---|
| Matador Resources, LLC. | Project Name: | Chevron 12 | |
| 5400 LBJ Freeway, Suite 1500 | Project Number: | 23042-0001 | **Reported:** |
| Dallas TX, 75240 | Project Manager: | Chad Hensley | 10/12/2023 10:15:04AM |

## SW-2

## E310052-02

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2341023 |
| Benzene | ND | 0.0250 | 1 | 10/09/23 | 10/10/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 10/09/23 | 10/10/23 | |
| Toluene | ND | 0.0250 | 1 | 10/09/23 | 10/10/23 | |
| o-Xylene | ND | 0.0250 | 1 | 10/09/23 | 10/10/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 10/09/23 | 10/10/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 10/09/23 | 10/10/23 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *94.2 %* | *70-130* | *10/09/23* | *10/10/23* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2341023 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 10/09/23 | 10/10/23 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *91.3 %* | *70-130* | *10/09/23* | *10/10/23* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2341025 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 10/09/23 | 10/11/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 10/09/23 | 10/11/23 | |
| *Surrogate: n-Nonane* | | *89.8 %* | *50-200* | *10/09/23* | *10/11/23* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: BA | | | Batch: 2341020 |
| Chloride | **61.7** | 20.0 | 1 | 10/09/23 | 10/11/23 | |

# Sample Data

| | | | |
|---|---|---|---|
| Matador Resources, LLC. | Project Name: | Chevron 12 | |
| 5400 LBJ Freeway, Suite 1500 | Project Number: | 23042-0001 | **Reported:** |
| Dallas TX, 75240 | Project Manager: | Chad Hensley | 10/12/2023 10:15:04AM |

## C-1 16'

**E310052-03**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2341023 |
| Benzene | ND | 0.0250 | 1 | 10/09/23 | 10/10/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 10/09/23 | 10/10/23 | |
| Toluene | ND | 0.0250 | 1 | 10/09/23 | 10/10/23 | |
| o-Xylene | ND | 0.0250 | 1 | 10/09/23 | 10/10/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 10/09/23 | 10/10/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 10/09/23 | 10/10/23 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *93.6 %* | *70-130* | *10/09/23* | *10/10/23* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2341023 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 10/09/23 | 10/10/23 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *90.4 %* | *70-130* | *10/09/23* | *10/10/23* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2341025 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 10/09/23 | 10/11/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 10/09/23 | 10/11/23 | |
| *Surrogate: n-Nonane* | | *99.6 %* | *50-200* | *10/09/23* | *10/11/23* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: BA | | | Batch: 2341020 |
| Chloride | **81.1** | 20.0 | 1 | 10/09/23 | 10/11/23 | |

# Sample Data

| | | | |
|---|---|---|---|
| Matador Resources, LLC. | Project Name: | Chevron 12 | |
| 5400 LBJ Freeway, Suite 1500 | Project Number: | 23042-0001 | **Reported:** |
| Dallas TX, 75240 | Project Manager: | Chad Hensley | 10/12/2023 10:15:04AM |

## C-2 16'

**E310052-04**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2341023 |
| Benzene | ND | 0.0250 | 1 | 10/09/23 | 10/10/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 10/09/23 | 10/10/23 | |
| Toluene | ND | 0.0250 | 1 | 10/09/23 | 10/10/23 | |
| o-Xylene | ND | 0.0250 | 1 | 10/09/23 | 10/10/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 10/09/23 | 10/10/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 10/09/23 | 10/10/23 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *93.4 %* | *70-130* | *10/09/23* | *10/10/23* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2341023 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 10/09/23 | 10/10/23 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *90.9 %* | *70-130* | *10/09/23* | *10/10/23* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2341025 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 10/09/23 | 10/11/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 10/09/23 | 10/11/23 | |
| *Surrogate: n-Nonane* | | *91.3 %* | *50-200* | *10/09/23* | *10/11/23* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: BA | | | Batch: 2341020 |
| Chloride | **78.4** | 20.0 | 1 | 10/09/23 | 10/11/23 | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Matador Resources, LLC. | Project Name: | Chevron 12 | **Reported:** |
| 5400 LBJ Freeway, Suite 1500 | Project Number: | 23042-0001 | |
| Dallas TX, 75240 | Project Manager: | Chad Hensley | 10/12/2023 10:15:04AM |

## Volatile Organics by EPA 8021B

Analyst: RKS

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2341023-BLK1)** | | | | | | | | | Prepared: 10/09/23 Analyzed: 10/10/23 |
| Benzene | ND | 0.0250 | | | | | | | |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| o-Xylene | ND | 0.0250 | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *7.47* | | *8.00* | | *93.4* | *70-130* | | | |
| **LCS (2341023-BS1)** | | | | | | | | | Prepared: 10/09/23 Analyzed: 10/10/23 |
| Benzene | 4.32 | 0.0250 | 5.00 | | 86.4 | 70-130 | | | |
| Ethylbenzene | 4.43 | 0.0250 | 5.00 | | 88.5 | 70-130 | | | |
| Toluene | 4.52 | 0.0250 | 5.00 | | 90.3 | 70-130 | | | |
| o-Xylene | 4.58 | 0.0250 | 5.00 | | 91.6 | 70-130 | | | |
| p,m-Xylene | 9.17 | 0.0500 | 10.0 | | 91.7 | 70-130 | | | |
| Total Xylenes | 13.8 | 0.0250 | 15.0 | | 91.7 | 70-130 | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *7.57* | | *8.00* | | *94.6* | *70-130* | | | |
| **Matrix Spike (2341023-MS1)** | | | | **Source: E310052-02** | | | | | Prepared: 10/09/23 Analyzed: 10/10/23 |
| Benzene | 4.35 | 0.0250 | 5.00 | ND | 86.9 | 54-133 | | | |
| Ethylbenzene | 4.46 | 0.0250 | 5.00 | ND | 89.2 | 61-133 | | | |
| Toluene | 4.55 | 0.0250 | 5.00 | ND | 91.1 | 61-130 | | | |
| o-Xylene | 4.62 | 0.0250 | 5.00 | ND | 92.4 | 63-131 | | | |
| p,m-Xylene | 9.24 | 0.0500 | 10.0 | ND | 92.4 | 63-131 | | | |
| Total Xylenes | 13.9 | 0.0250 | 15.0 | ND | 92.4 | 63-131 | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *7.60* | | *8.00* | | *95.0* | *70-130* | | | |
| **Matrix Spike Dup (2341023-MSD1)** | | | | **Source: E310052-02** | | | | | Prepared: 10/09/23 Analyzed: 10/10/23 |
| Benzene | 4.44 | 0.0250 | 5.00 | ND | 88.8 | 54-133 | 2.10 | 20 | |
| Ethylbenzene | 4.58 | 0.0250 | 5.00 | ND | 91.5 | 61-133 | 2.56 | 20 | |
| Toluene | 4.66 | 0.0250 | 5.00 | ND | 93.2 | 61-130 | 2.27 | 20 | |
| o-Xylene | 4.73 | 0.0250 | 5.00 | ND | 94.7 | 63-131 | 2.40 | 20 | |
| p,m-Xylene | 9.48 | 0.0500 | 10.0 | ND | 94.8 | 63-131 | 2.57 | 20 | |
| Total Xylenes | 14.2 | 0.0250 | 15.0 | ND | 94.8 | 63-131 | 2.51 | 20 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *7.54* | | *8.00* | | *94.3* | *70-130* | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Matador Resources, LLC. | Project Name: | Chevron 12 | **Reported:** |
| 5400 LBJ Freeway, Suite 1500 | Project Number: | 23042-0001 | |
| Dallas TX, 75240 | Project Manager: | Chad Hensley | 10/12/2023 10:15:04AM |

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2341023-BLK1)** | | | | | | | | | Prepared: 10/09/23 Analyzed: 10/10/23 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *7.27* | | *8.00* | | *90.9* | *70-130* | | | |
| **LCS (2341023-BS2)** | | | | | | | | | Prepared: 10/09/23 Analyzed: 10/10/23 |
| Gasoline Range Organics (C6-C10) | 46.9 | 20.0 | 50.0 | | 93.7 | 70-130 | | | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *7.39* | | *8.00* | | *92.3* | *70-130* | | | |
| **Matrix Spike (2341023-MS2)** | | | | **Source: E310052-02** | | | | | Prepared: 10/09/23 Analyzed: 10/10/23 |
| Gasoline Range Organics (C6-C10) | 45.7 | 20.0 | 50.0 | ND | 91.4 | 70-130 | | | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *7.35* | | *8.00* | | *91.9* | *70-130* | | | |
| **Matrix Spike Dup (2341023-MSD2)** | | | | **Source: E310052-02** | | | | | Prepared: 10/09/23 Analyzed: 10/10/23 |
| Gasoline Range Organics (C6-C10) | 45.9 | 20.0 | 50.0 | ND | 91.7 | 70-130 | 0.383 | 20 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *7.34* | | *8.00* | | *91.8* | *70-130* | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Matador Resources, LLC. | Project Name: | Chevron 12 | **Reported:** |
| 5400 LBJ Freeway, Suite 1500 | Project Number: | 23042-0001 | |
| Dallas TX, 75240 | Project Manager: | Chad Hensley | 10/12/2023 10:15:04AM |

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2341025-BLK1)** | | | | | | | | | Prepared: 10/09/23 Analyzed: 10/10/23 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| *Surrogate: n-Nonane* | *46.5* | | *50.0* | | *92.9* | *50-200* | | | |
| **LCS (2341025-BS1)** | | | | | | | | | Prepared: 10/09/23 Analyzed: 10/10/23 |
| Diesel Range Organics (C10-C28) | 239 | 25.0 | 250 | | 95.6 | 38-132 | | | |
| *Surrogate: n-Nonane* | *49.2* | | *50.0* | | *98.3* | *50-200* | | | |
| **Matrix Spike (2341025-MS1)** | | | | **Source: E310046-06** | | | | | Prepared: 10/09/23 Analyzed: 10/10/23 |
| Diesel Range Organics (C10-C28) | 222 | 25.0 | 250 | ND | 89.0 | 38-132 | | | |
| *Surrogate: n-Nonane* | *45.7* | | *50.0* | | *91.5* | *50-200* | | | |
| **Matrix Spike Dup (2341025-MSD1)** | | | | **Source: E310046-06** | | | | | Prepared: 10/09/23 Analyzed: 10/10/23 |
| Diesel Range Organics (C10-C28) | 228 | 25.0 | 250 | ND | 91.1 | 38-132 | 2.38 | 20 | |
| *Surrogate: n-Nonane* | *46.8* | | *50.0* | | *93.7* | *50-200* | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Matador Resources, LLC. | Project Name: | Chevron 12 | **Reported:** |
| 5400 LBJ Freeway, Suite 1500 | Project Number: | 23042-0001 | |
| Dallas TX, 75240 | Project Manager: | Chad Hensley | 10/12/2023 10:15:04AM |

## Anions by EPA 300.0/9056A

Analyst: BA

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2341020-BLK1)** | | | | | | | | | Prepared: 10/09/23 Analyzed: 10/11/23 |
| Chloride | ND | 20.0 | | | | | | | |
| **LCS (2341020-BS1)** | | | | | | | | | Prepared: 10/09/23 Analyzed: 10/11/23 |
| Chloride | 243 | 20.0 | 250 | | 97.0 | 90-110 | | | |
| **Matrix Spike (2341020-MS1)** | | | | **Source: E310052-01** | | | | | Prepared: 10/09/23 Analyzed: 10/11/23 |
| Chloride | 313 | 20.0 | 250 | 64.2 | 99.6 | 80-120 | | | |
| **Matrix Spike Dup (2341020-MSD1)** | | | | **Source: E310052-01** | | | | | Prepared: 10/09/23 Analyzed: 10/11/23 |
| Chloride | 312 | 20.0 | 250 | 64.2 | 99.2 | 80-120 | 0.317 | 20 | |

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

# Definitions and Notes

| | | | |
|---|---|---|---|
| Matador Resources, LLC. | Project Name: | Chevron 12 | |
| 5400 LBJ Freeway, Suite 1500 | Project Number: | 23042-0001 | **Reported:** |
| Dallas TX, 75240 | Project Manager: | Chad Hensley | 10/12/23 10:15 |

| | |
|---|---|
| ND | Analyte NOT DETECTED at or above the reporting limit |
| NR | Not Reported |
| RPD | Relative Percent Difference |
| DNI | Did Not Ignite |

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

*Project Information* | Chain of Custody | Page 1 of 1

| | | | |
|---|---|---|---|
| Client: Matador | Bill To | Lab Use Only | TAT / EPA Program |
| Project: Chevron 12 | Attention: Talon LPE | Lab WO# E310052 | Job Number 23042.0001 |
| Project Manager: C. Hensley | Address: | 1D 2D 3D Standard: X | CWA / SDWA / RCRA |
| Address: 408 W. Texas | City, State, Zip | | |
| City, State, Zip Artesia, NM, 88210 | Phone: | | |
| Phone: nrose@talonlpe.com | Email: | | |
| Email: 575-746-8768 | | | |
| Report due by: | | | |

Analysis and Method

State: NM X | CO | UT | AZ | TX

| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number | DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC - NM | TCEQ 1005- TX | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1104 | 10-6-23 | Soil | 1 | SW-1 | 1 | X | X | X | | | X | | | |
| 1110 | | | | SW-2 | 2 | X | X | X | | | X | | | |
| 1121 | | | | C-1 16' | 3 | X | X | X | | | X | | | |
| 1129 | | | | C-2 16' | 4 | X | X | X | | | X | | | |

**Additional Instructions:**

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |
|---|---|---|---|---|---|
| | 10-6-23 | 1530 | Michelle Gaytan | 10-6-23 | 1530 |
| Michelle Gaytan | 10-6-23 | 1730 | Sam Lott | 10/6/23 | 1730 |
| Sam Lovato | 10/6/23 | 11:11 pm | Caitlin Mars | 10.9.23 | 8:25 |
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |

Lab Use Only
Received on ice: Y / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

# Envirotech Analytical Laboratory

Printed: 10/9/2023 10:50:07AM

## Sample Receipt Checklist (SRC)

**Instructions: Please take note of any NO checkmarks.**
**If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.**

| | | | | | |
|---|---|---|---|---|---|
| Client: | Matador Resources, LLC. | Date Received: | 10/09/23 08:25 | Work Order ID: | E310052 |
| Phone: | (972) 371-5200 | Date Logged In: | 10/06/23 16:42 | Logged In By: | Caitlin Mars |
| Email: | | Due Date: | 10/13/23 17:00 (4 day TAT) | | |

**Chain of Custody (COC)**

| | | |
|---|---|---|
| 1. Does the sample ID match the COC? | Yes | |
| 2. Does the number of samples per sampling site location match the COC | Yes | |
| 3. Were samples dropped off by client or carrier? | Yes | Carrier: Courier |
| 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? | Yes | |
| 5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion. | Yes | |

**Comments/Resolution**

**Sample Turn Around Time (TAT)**

| | |
|---|---|
| 6. Did the COC indicate standard TAT, or Expedited TAT? | Yes |

**Sample Cooler**

| | |
|---|---|
| 7. Was a sample cooler received? | Yes |
| 8. If yes, was cooler received in good condition? | Yes |
| 9. Was the sample(s) received intact, i.e., not broken? | Yes |
| 10. Were custody/security seals present? | No |
| 11. If yes, were custody/security seals intact? | NA |
| 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling | Yes |
| 13. If no visible ice, record the temperature. Actual sample temperature: 4°C | |

**Sample Container**

| | |
|---|---|
| 14. Are aqueous VOC samples present? | No |
| 15. Are VOC samples collected in VOA Vials? | NA |
| 16. Is the head space less than 6-8 mm (pea sized or less)? | NA |
| 17. Was a trip blank (TB) included for VOC analyses? | NA |
| 18. Are non-VOC samples collected in the correct containers? | Yes |
| 19. Is the appropriate volume/weight or number of sample containers collected? | Yes |

**Field Label**

| | |
|---|---|
| 20. Were field sample labels filled out with the minimum information: | |
| Sample ID? | Yes |
| Date/Time Collected? | Yes |
| Collectors name? | Yes |

**Sample Preservation**

| | |
|---|---|
| 21. Does the COC or field labels indicate the samples were preserved? | No |
| 22. Are sample(s) correctly preserved? | NA |
| 24. Is lab filteration required and/or requested for dissolved metals? | No |

**Multiphase Sample Matrix**

| | |
|---|---|
| 26. Does the sample have more than one phase, i.e., multiphase? | No |
| 27. If yes, does the COC specify which phase(s) is to be analyzed? | NA |

**Subcontract Laboratory**

| | | |
|---|---|---|
| 28. Are samples required to get sent to a subcontract laboratory? | No | |
| 29. Was a subcontract laboratory specified by the client and if so who? | NA | Subcontract Lab: NA |

**Client Instruction**

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 02, 2023

CHAD HENSLEY

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: CHEVRON 12 FED 3

Enclosed are the results of analyses for samples received by the laboratory on 05/31/23 11:32.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

| | |
|---|---|
| Method EPA 552.2 | Haloacetic Acids (HAA-5) |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3) |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

## Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

| | | | |
|---|---|---|---|
| Received: | 05/31/2023 | Sampling Date: | 05/30/2023 |
| Reported: | 06/02/2023 | Sampling Type: | Soil |
| Project Name: | CHEVRON 12 FED 3 | Sampling Condition: | Cool & Intact |
| Project Number: | 702520.053.01 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | MATADOR - LEA COUNTY, NM | | |

### Sample ID: S - 6 0-1' (H232762-01)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.04 | 102 | 2.00 | 8.36 | |
| Toluene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.10 | 105 | 2.00 | 8.54 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.03 | 102 | 2.00 | 8.51 | |
| Total Xylenes* | <0.150 | 0.150 | 06/01/2023 | ND | 6.33 | 105 | 6.00 | 6.80 | |
| Total BTEX | <0.300 | 0.300 | 06/01/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *105 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **176** | 16.0 | 06/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 06/01/2023 | ND | 157 | 78.6 | 200 | 2.02 | |
| **DRO >C10-C28*** | **102** | 10.0 | 06/01/2023 | ND | 164 | 81.9 | 200 | 0.535 | |
| **EXT DRO >C28-C36** | **75.2** | 10.0 | 06/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *87.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *103 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

## Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

| | | | |
|---|---|---|---|
| Received: | 05/31/2023 | Sampling Date: | 05/30/2023 |
| Reported: | 06/02/2023 | Sampling Type: | Soil |
| Project Name: | CHEVRON 12 FED 3 | Sampling Condition: | Cool & Intact |
| Project Number: | 702520.053.01 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | MATADOR - LEA COUNTY, NM | | |

### Sample ID: S - 6 2' (H232762-02)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.04 | 102 | 2.00 | 8.36 | |
| Toluene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.10 | 105 | 2.00 | 8.54 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.03 | 102 | 2.00 | 8.51 | |
| Total Xylenes* | <0.150 | 0.150 | 06/01/2023 | ND | 6.33 | 105 | 6.00 | 6.80 | |
| Total BTEX | <0.300 | 0.300 | 06/01/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *105 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **144** | 16.0 | 06/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 06/01/2023 | ND | 157 | 78.6 | 200 | 2.02 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/01/2023 | ND | 164 | 81.9 | 200 | 0.535 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *83.6 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *93.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

## Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

| | | | |
|---|---|---|---|
| Received: | 05/31/2023 | Sampling Date: | 05/30/2023 |
| Reported: | 06/02/2023 | Sampling Type: | Soil |
| Project Name: | CHEVRON 12 FED 3 | Sampling Condition: | Cool & Intact |
| Project Number: | 702520.053.01 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | MATADOR - LEA COUNTY, NM | | |

### Sample ID: S - 6 4' (H232762-03)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.10 | 105 | 2.00 | 5.18 | |
| Toluene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.13 | 106 | 2.00 | 9.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.22 | 111 | 2.00 | 9.16 | |
| Total Xylenes* | <0.150 | 0.150 | 06/01/2023 | ND | 6.59 | 110 | 6.00 | 9.89 | |
| Total BTEX | <0.300 | 0.300 | 06/01/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *110 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **496** | 16.0 | 06/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 05/31/2023 | ND | 166 | 83.2 | 200 | 0.903 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/31/2023 | ND | 183 | 91.3 | 200 | 0.677 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/31/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *81.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *87.7 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

## Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

| | | | |
|---|---|---|---|
| Received: | 05/31/2023 | Sampling Date: | 05/30/2023 |
| Reported: | 06/02/2023 | Sampling Type: | Soil |
| Project Name: | CHEVRON 12 FED 3 | Sampling Condition: | Cool & Intact |
| Project Number: | 702520.053.01 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | MATADOR - LEA COUNTY, NM | | |

### Sample ID: S - 7 0-1' (H232762-04)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.10 | 105 | 2.00 | 5.18 | |
| Toluene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.13 | 106 | 2.00 | 9.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.22 | 111 | 2.00 | 9.16 | |
| Total Xylenes* | <0.150 | 0.150 | 06/01/2023 | ND | 6.59 | 110 | 6.00 | 9.89 | |
| Total BTEX | <0.300 | 0.300 | 06/01/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *110 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **592** | 16.0 | 06/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 05/31/2023 | ND | 166 | 83.2 | 200 | 0.903 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/31/2023 | ND | 183 | 91.3 | 200 | 0.677 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/31/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *86.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *98.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

## Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

| | | | |
|---|---|---|---|
| Received: | 05/31/2023 | Sampling Date: | 05/30/2023 |
| Reported: | 06/02/2023 | Sampling Type: | Soil |
| Project Name: | CHEVRON 12 FED 3 | Sampling Condition: | Cool & Intact |
| Project Number: | 702520.053.01 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | MATADOR - LEA COUNTY, NM | | |

### Sample ID: S - 7 2' (H232762-05)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.10 | 105 | 2.00 | 5.18 | |
| Toluene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.13 | 106 | 2.00 | 9.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.22 | 111 | 2.00 | 9.16 | |
| Total Xylenes* | <0.150 | 0.150 | 06/01/2023 | ND | 6.59 | 110 | 6.00 | 9.89 | |
| Total BTEX | <0.300 | 0.300 | 06/01/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *110 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1040** | 16.0 | 06/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 05/31/2023 | ND | 166 | 83.2 | 200 | 0.903 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/31/2023 | ND | 183 | 91.3 | 200 | 0.677 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/31/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *79.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *90.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

## Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

| | | | |
|---|---|---|---|
| Received: | 05/31/2023 | Sampling Date: | 05/30/2023 |
| Reported: | 06/02/2023 | Sampling Type: | Soil |
| Project Name: | CHEVRON 12 FED 3 | Sampling Condition: | Cool & Intact |
| Project Number: | 702520.053.01 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | MATADOR - LEA COUNTY, NM | | |

### Sample ID: S - 7 4' (H232762-06)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.10 | 105 | 2.00 | 5.18 | |
| Toluene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.13 | 106 | 2.00 | 9.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.22 | 111 | 2.00 | 9.16 | |
| Total Xylenes* | <0.150 | 0.150 | 06/01/2023 | ND | 6.59 | 110 | 6.00 | 9.89 | |
| Total BTEX | <0.300 | 0.300 | 06/01/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *111 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **2280** | 16.0 | 06/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 05/31/2023 | ND | 166 | 83.2 | 200 | 0.903 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/31/2023 | ND | 183 | 91.3 | 200 | 0.677 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/31/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *79.2 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *84.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

## Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

| | | | |
|---|---|---|---|
| Received: | 05/31/2023 | Sampling Date: | 05/30/2023 |
| Reported: | 06/02/2023 | Sampling Type: | Soil |
| Project Name: | CHEVRON 12 FED 3 | Sampling Condition: | Cool & Intact |
| Project Number: | 702520.053.01 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | MATADOR - LEA COUNTY, NM | | |

### Sample ID: S - 8 0-1' (H232762-07)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.10 | 105 | 2.00 | 5.18 | |
| Toluene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.13 | 106 | 2.00 | 9.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.22 | 111 | 2.00 | 9.16 | |
| Total Xylenes* | <0.150 | 0.150 | 06/01/2023 | ND | 6.59 | 110 | 6.00 | 9.89 | |
| Total BTEX | <0.300 | 0.300 | 06/01/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *111 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1200** | 16.0 | 06/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 05/31/2023 | ND | 166 | 83.2 | 200 | 0.903 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/31/2023 | ND | 183 | 91.3 | 200 | 0.677 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/31/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *74.8 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *84.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

## Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

| | | | |
|---|---|---|---|
| Received: | 05/31/2023 | Sampling Date: | 05/30/2023 |
| Reported: | 06/02/2023 | Sampling Type: | Soil |
| Project Name: | CHEVRON 12 FED 3 | Sampling Condition: | Cool & Intact |
| Project Number: | 702520.053.01 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | MATADOR - LEA COUNTY, NM | | |

### Sample ID: S - 8 2' (H232762-08)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.10 | 105 | 2.00 | 5.18 | |
| Toluene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.13 | 106 | 2.00 | 9.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.22 | 111 | 2.00 | 9.16 | |
| Total Xylenes* | <0.150 | 0.150 | 06/01/2023 | ND | 6.59 | 110 | 6.00 | 9.89 | |
| Total BTEX | <0.300 | 0.300 | 06/01/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *110 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1280** | 16.0 | 06/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 05/31/2023 | ND | 166 | 83.2 | 200 | 0.903 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/31/2023 | ND | 183 | 91.3 | 200 | 0.677 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/31/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *79.5 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *90.3 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

## Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

| | | | |
|---|---|---|---|
| Received: | 05/31/2023 | Sampling Date: | 05/30/2023 |
| Reported: | 06/02/2023 | Sampling Type: | Soil |
| Project Name: | CHEVRON 12 FED 3 | Sampling Condition: | Cool & Intact |
| Project Number: | 702520.053.01 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | MATADOR - LEA COUNTY, NM | | |

### Sample ID: S - 8 4' (H232762-09)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.10 | 105 | 2.00 | 5.18 | |
| Toluene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.13 | 106 | 2.00 | 9.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.22 | 111 | 2.00 | 9.16 | |
| Total Xylenes* | <0.150 | 0.150 | 06/01/2023 | ND | 6.59 | 110 | 6.00 | 9.89 | |
| Total BTEX | <0.300 | 0.300 | 06/01/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *111 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **608** | 16.0 | 06/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 05/31/2023 | ND | 166 | 83.2 | 200 | 0.903 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/31/2023 | ND | 183 | 91.3 | 200 | 0.677 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/31/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *79.2 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *89.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

## Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

| | | | |
|---|---|---|---|
| Received: | 05/31/2023 | Sampling Date: | 05/30/2023 |
| Reported: | 06/02/2023 | Sampling Type: | Soil |
| Project Name: | CHEVRON 12 FED 3 | Sampling Condition: | Cool & Intact |
| Project Number: | 702520.053.01 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | MATADOR - LEA COUNTY, NM | | |

### Sample ID: S - 9 0-1' (H232762-10)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.10 | 105 | 2.00 | 5.18 | |
| Toluene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.13 | 106 | 2.00 | 9.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.22 | 111 | 2.00 | 9.16 | |
| Total Xylenes* | <0.150 | 0.150 | 06/01/2023 | ND | 6.59 | 110 | 6.00 | 9.89 | |
| Total BTEX | <0.300 | 0.300 | 06/01/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *110 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **400** | 16.0 | 06/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 06/01/2023 | ND | 166 | 83.2 | 200 | 0.903 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/01/2023 | ND | 183 | 91.3 | 200 | 0.677 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *86.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *97.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

## Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

| | | | |
|---|---|---|---|
| Received: | 05/31/2023 | Sampling Date: | 05/30/2023 |
| Reported: | 06/02/2023 | Sampling Type: | Soil |
| Project Name: | CHEVRON 12 FED 3 | Sampling Condition: | Cool & Intact |
| Project Number: | 702520.053.01 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | MATADOR - LEA COUNTY, NM | | |

### Sample ID: S - 9 2' (H232762-11)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.10 | 105 | 2.00 | 5.18 | |
| Toluene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.13 | 106 | 2.00 | 9.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.22 | 111 | 2.00 | 9.16 | |
| Total Xylenes* | <0.150 | 0.150 | 06/01/2023 | ND | 6.59 | 110 | 6.00 | 9.89 | |
| Total BTEX | <0.300 | 0.300 | 06/01/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *110 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **480** | 16.0 | 06/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 06/01/2023 | ND | 166 | 83.2 | 200 | 0.903 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/01/2023 | ND | 183 | 91.3 | 200 | 0.677 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *74.2 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *83.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

## Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

| | | | |
|---|---|---|---|
| Received: | 05/31/2023 | Sampling Date: | 05/30/2023 |
| Reported: | 06/02/2023 | Sampling Type: | Soil |
| Project Name: | CHEVRON 12 FED 3 | Sampling Condition: | Cool & Intact |
| Project Number: | 702520.053.01 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | MATADOR - LEA COUNTY, NM | | |

### Sample ID: S - 9 4' (H232762-12)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.10 | 105 | 2.00 | 5.18 | |
| Toluene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.13 | 106 | 2.00 | 9.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.22 | 111 | 2.00 | 9.16 | |
| Total Xylenes* | <0.150 | 0.150 | 06/01/2023 | ND | 6.59 | 110 | 6.00 | 9.89 | |
| Total BTEX | <0.300 | 0.300 | 06/01/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *109 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **944** | 16.0 | 06/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 06/01/2023 | ND | 166 | 83.2 | 200 | 0.903 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/01/2023 | ND | 183 | 91.3 | 200 | 0.677 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *70.7 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *81.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

## Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

| | | | |
|---|---|---|---|
| Received: | 05/31/2023 | Sampling Date: | 05/30/2023 |
| Reported: | 06/02/2023 | Sampling Type: | Soil |
| Project Name: | CHEVRON 12 FED 3 | Sampling Condition: | Cool & Intact |
| Project Number: | 702520.053.01 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | MATADOR - LEA COUNTY, NM | | |

### Sample ID: S - 10 0-1' (H232762-13)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.10 | 105 | 2.00 | 5.18 | |
| Toluene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.13 | 106 | 2.00 | 9.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.22 | 111 | 2.00 | 9.16 | |
| Total Xylenes* | <0.150 | 0.150 | 06/01/2023 | ND | 6.59 | 110 | 6.00 | 9.89 | |
| Total BTEX | <0.300 | 0.300 | 06/01/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *108 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **400** | 16.0 | 06/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 06/01/2023 | ND | 166 | 83.2 | 200 | 0.903 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/01/2023 | ND | 183 | 91.3 | 200 | 0.677 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *73.3 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *82.3 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

## Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

| | | | |
|---|---|---|---|
| Received: | 05/31/2023 | Sampling Date: | 05/30/2023 |
| Reported: | 06/02/2023 | Sampling Type: | Soil |
| Project Name: | CHEVRON 12 FED 3 | Sampling Condition: | Cool & Intact |
| Project Number: | 702520.053.01 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | MATADOR - LEA COUNTY, NM | | |

### Sample ID: S - 10 2' (H232762-14)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.10 | 105 | 2.00 | 5.18 | |
| Toluene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.13 | 106 | 2.00 | 9.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.22 | 111 | 2.00 | 9.16 | |
| Total Xylenes* | <0.150 | 0.150 | 06/01/2023 | ND | 6.59 | 110 | 6.00 | 9.89 | |
| Total BTEX | <0.300 | 0.300 | 06/01/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *111 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **240** | 16.0 | 06/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 06/01/2023 | ND | 166 | 83.2 | 200 | 0.903 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/01/2023 | ND | 183 | 91.3 | 200 | 0.677 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *82.1 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *92.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

## Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

| | | | |
|---|---|---|---|
| Received: | 05/31/2023 | Sampling Date: | 05/30/2023 |
| Reported: | 06/02/2023 | Sampling Type: | Soil |
| Project Name: | CHEVRON 12 FED 3 | Sampling Condition: | Cool & Intact |
| Project Number: | 702520.053.01 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | MATADOR - LEA COUNTY, NM | | |

### Sample ID: S - 10 4' (H232762-15)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.10 | 105 | 2.00 | 5.18 | |
| Toluene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.13 | 106 | 2.00 | 9.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.22 | 111 | 2.00 | 9.16 | |
| Total Xylenes* | <0.150 | 0.150 | 06/01/2023 | ND | 6.59 | 110 | 6.00 | 9.89 | |
| Total BTEX | <0.300 | 0.300 | 06/01/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *110 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **896** | 16.0 | 06/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 06/01/2023 | ND | 166 | 83.2 | 200 | 0.903 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/01/2023 | ND | 183 | 91.3 | 200 | 0.677 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *96.9 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *107 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

## Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

| | | | |
|---|---|---|---|
| Received: | 05/31/2023 | Sampling Date: | 05/30/2023 |
| Reported: | 06/02/2023 | Sampling Type: | Soil |
| Project Name: | CHEVRON 12 FED 3 | Sampling Condition: | Cool & Intact |
| Project Number: | 702520.053.01 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | MATADOR - LEA COUNTY, NM | | |

### Sample ID: S - 11 0-1' (H232762-16)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.10 | 105 | 2.00 | 5.18 | |
| Toluene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.13 | 106 | 2.00 | 9.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.22 | 111 | 2.00 | 9.16 | |
| Total Xylenes* | <0.150 | 0.150 | 06/01/2023 | ND | 6.59 | 110 | 6.00 | 9.89 | |
| Total BTEX | <0.300 | 0.300 | 06/01/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *110 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1020** | 16.0 | 06/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 06/01/2023 | ND | 166 | 83.2 | 200 | 0.903 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/01/2023 | ND | 183 | 91.3 | 200 | 0.677 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *73.5 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *78.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

## Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

| | | | |
|---|---|---|---|
| Received: | 05/31/2023 | Sampling Date: | 05/30/2023 |
| Reported: | 06/02/2023 | Sampling Type: | Soil |
| Project Name: | CHEVRON 12 FED 3 | Sampling Condition: | Cool & Intact |
| Project Number: | 702520.053.01 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | MATADOR - LEA COUNTY, NM | | |

### Sample ID: S - 11 2' (H232762-17)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.10 | 105 | 2.00 | 5.18 | |
| Toluene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.13 | 106 | 2.00 | 9.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.22 | 111 | 2.00 | 9.16 | |
| Total Xylenes* | <0.150 | 0.150 | 06/01/2023 | ND | 6.59 | 110 | 6.00 | 9.89 | |
| Total BTEX | <0.300 | 0.300 | 06/01/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *111 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1300** | 16.0 | 06/01/2023 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 06/01/2023 | ND | 166 | 83.2 | 200 | 0.903 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/01/2023 | ND | 183 | 91.3 | 200 | 0.677 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *80.6 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *89.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

## Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

| | | | |
|---|---|---|---|
| Received: | 05/31/2023 | Sampling Date: | 05/30/2023 |
| Reported: | 06/02/2023 | Sampling Type: | Soil |
| Project Name: | CHEVRON 12 FED 3 | Sampling Condition: | Cool & Intact |
| Project Number: | 702520.053.01 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | MATADOR - LEA COUNTY, NM | | |

### Sample ID: S - 11 4' (H232762-18)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.10 | 105 | 2.00 | 5.18 | |
| Toluene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.13 | 106 | 2.00 | 9.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.22 | 111 | 2.00 | 9.16 | |
| Total Xylenes* | <0.150 | 0.150 | 06/01/2023 | ND | 6.59 | 110 | 6.00 | 9.89 | |
| Total BTEX | <0.300 | 0.300 | 06/01/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *110 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **496** | 16.0 | 06/01/2023 | ND | 432 | 108 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 06/01/2023 | ND | 166 | 83.2 | 200 | 0.903 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/01/2023 | ND | 183 | 91.3 | 200 | 0.677 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *85.8 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *95.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

## Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

| | | | |
|---|---|---|---|
| Received: | 05/31/2023 | Sampling Date: | 05/30/2023 |
| Reported: | 06/02/2023 | Sampling Type: | Soil |
| Project Name: | CHEVRON 12 FED 3 | Sampling Condition: | Cool & Intact |
| Project Number: | 702520.053.01 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | MATADOR - LEA COUNTY, NM | | |

### Sample ID: S - 12 0-1' (H232762-19)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.10 | 105 | 2.00 | 5.18 | |
| Toluene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.13 | 106 | 2.00 | 9.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.22 | 111 | 2.00 | 9.16 | |
| Total Xylenes* | <0.150 | 0.150 | 06/01/2023 | ND | 6.59 | 110 | 6.00 | 9.89 | |
| Total BTEX | <0.300 | 0.300 | 06/01/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *108 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **48.0** | 16.0 | 06/01/2023 | ND | 432 | 108 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 06/01/2023 | ND | 166 | 83.2 | 200 | 0.903 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/01/2023 | ND | 183 | 91.3 | 200 | 0.677 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *77.5 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *85.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

## Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

| | | | |
|---|---|---|---|
| Received: | 05/31/2023 | Sampling Date: | 05/30/2023 |
| Reported: | 06/02/2023 | Sampling Type: | Soil |
| Project Name: | CHEVRON 12 FED 3 | Sampling Condition: | Cool & Intact |
| Project Number: | 702520.053.01 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | MATADOR - LEA COUNTY, NM | | |

### Sample ID: S - 12 2' (H232762-20)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.10 | 105 | 2.00 | 5.18 | |
| Toluene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.13 | 106 | 2.00 | 9.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.22 | 111 | 2.00 | 9.16 | |
| Total Xylenes* | <0.150 | 0.150 | 06/01/2023 | ND | 6.59 | 110 | 6.00 | 9.89 | |
| Total BTEX | <0.300 | 0.300 | 06/01/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *110 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **48.0** | 16.0 | 06/01/2023 | ND | 432 | 108 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 06/01/2023 | ND | 166 | 83.2 | 200 | 0.903 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/01/2023 | ND | 183 | 91.3 | 200 | 0.677 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *75.7 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *81.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

## Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

| | | | |
|---|---|---|---|
| Received: | 05/31/2023 | Sampling Date: | 05/30/2023 |
| Reported: | 06/02/2023 | Sampling Type: | Soil |
| Project Name: | CHEVRON 12 FED 3 | Sampling Condition: | Cool & Intact |
| Project Number: | 702520.053.01 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | MATADOR - LEA COUNTY, NM | | |

### Sample ID: S - 12 4' (H232762-21)

**BTEX 8021B** mg/kg Analyzed By: JH/

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.10 | 105 | 2.00 | 5.18 | |
| Toluene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.13 | 106 | 2.00 | 9.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/01/2023 | ND | 2.22 | 111 | 2.00 | 9.16 | |
| Total Xylenes* | <0.150 | 0.150 | 06/01/2023 | ND | 6.59 | 110 | 6.00 | 9.89 | |
| Total BTEX | <0.300 | 0.300 | 06/01/2023 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *110 %* *71.5-134*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **112** | 16.0 | 06/01/2023 | ND | 432 | 108 | 400 | 3.77 | |

**TPH 8015M** mg/kg Analyzed By: MS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 06/01/2023 | ND | 166 | 83.2 | 200 | 0.903 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/01/2023 | ND | 183 | 91.3 | 200 | 0.677 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/01/2023 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *75.4 %* *48.2-134*

*Surrogate: 1-Chlorooctadecane* *79.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

## Notes and Definitions

| | |
|---|---|
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C |
| | Samples reported on an as received basis (wet) unless otherwise noted on report |

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

| | |
|---|---|
| Company Name: Talon LPE | BILL TO |
| Project Manager: C. Hensley | P.O. #: |
| Address: 408 W. Texas Ave | Company: |
| City: Artesia State: NM Zip: 88210 | Attn: |
| Phone #: 575.746.8768 Fax #: | Address: |
| Project #: 702520.053.01 Project Owner: Matador | City: |
| Project Name: Chevron 12 Fed 3 | State: Zip: |
| Project Location: Lea County, NM | Phone #: |
| Sampler Name: M. Gomez, B. Medley | Fax #: |

| FOR LAB USE ONLY Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | PRESERV.: ACID/BASE: | ICE / COOL | OTHER : | SAMPLING: DATE | TIME | ANALYSIS REQUEST: CL | BTEX | TPH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H232762 | | | | | | | | | | | | | | | | | |
| 1 | S-6 0-1' | G | 1 | | | ✓ | | | | | X | | 5/30/23 | 8:05 | ✓ | ✓ | ✓ |
| 2 | S-6 2' | | | | | ✓ | | | | | | | | 11:29 | ✓ | ✓ | ✓ |
| 3 | S-6 4' | | | | | ✓ | | | | | | | | 11:31 | ✓ | ✓ | ✓ |
| 4 | S-7 0-1' | | | | | ✓ | | | | | | | | 8:13 | ✓ | ✓ | ✓ |
| 5 | S-7 2' | | | | | ✓ | | | | | | | | 11:40 | ✓ | ✓ | ✓ |
| 6 | S-7 4' | | | | | ✓ | | | | | | | | 11:43 | ✓ | ✓ | ✓ |
| 7 | S-8 0-1' | | | | | ✓ | | | | | | | | 8:19 | ✓ | ✓ | ✓ |
| 8 | S-8 2' | | | | | ✓ | | | | | | | | 11:49 | ✓ | ✓ | ✓ |
| 9 | S-8 4' | | | | | ✓ | | | | | | | | 11:52 | ✓ | ✓ | ✓ |
| 10 | S-9 0-1' | | | | | ✓ | | | | | | | | 9:45 | ✓ | ✓ | ✓ |



| | | | |
|---|---|---|---|
| Relinquished By: Matthew Gomez | Date: 5/31/23 Time: 1132 | Received By: S Rodriguez | Phone Result: ☐ Yes ☐ No Add'l Phone #: |
| Relinquished By: | Date: Time: | Received By: | Fax Result: ☐ Yes ☐ No Add'l Fax #: |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | #113 3.9°c / 3.3°c | Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No | CHECKED BY: (Initials) SR |

REMARKS:

Page 1 of 3

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

# CARDINAL Laboratories

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

| | |
|---|---|
| Company Name: Talon LPE | **BILL TO** |
| Project Manager: C. Hensley | P.O. #: |
| Address: 408 W. Texas Ave | Company: |
| City: Artesia State: NM Zip: 88210 | Attn: |
| Phone #: 575.746.8768 Fax #: | Address: |
| Project #: 702520.053.01 Project Owner: Matador | City: |
| Project Name: Chevron 12 Fed 3 | State: Zip: |
| Project Location: Lea County, NM | Phone #: |
| Sampler Name: M. Gomez, B. Medley | Fax #: |

| FOR LAB USE ONLY Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | PRESERV.: ACID/BASE: | ICE / COOL | OTHER : | SAMPLING: DATE | TIME | ANALYSIS REQUEST: CL | BTEX | TPH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H232762 | | | | | | | | | | | | | | | | | |
| 11 | S-9 2' | G | 1 | | | ✓ | | | | | X | | 5/30/23 | 11:55 | ✓ | ✓ | ✓ |
| 12 | S-9 4' | | | | | ✓ | | | | | | | | 11:58 | ✓ | ✓ | ✓ |
| 13 | S-10 0-1' | | | | | ✓ | | | | | | | | 9:51 | ✓ | ✓ | ✓ |
| 14 | S-10 2' | | | | | ✓ | | | | | | | | 12:04 | ✓ | ✓ | ✓ |
| 15 | S-10 4' | | | | | ✓ | | | | | | | | 12:07 | ✓ | ✓ | ✓ |
| 16 | S-11 0-1' | | | | | ✓ | | | | | | | | 9:55 | ✓ | ✓ | ✓ |
| 17 | S-11 2' | | | | | ✓ | | | | | | | | 12:12 | ✓ | ✓ | ✓ |
| 18 | S-11 4' | | | | | ✓ | | | | | | | | 12:15 | ✓ | ✓ | ✓ |
| 19 | S-12 0-1' | | | | | ✓ | | | | | | | | 10:00 | ✓ | ✓ | ✓ |
| 20 | S-12 2' | | | | | ✓ | | | | | | | | 12:19 | ✓ | ✓ | ✓ |



| | | | |
|---|---|---|---|
| Relinquished By: Matthew Gomez | Date: 5/31/23 Time: 1132 | Received By: Rodriguez | Phone Result: ☐ Yes ☐ No Add'l Phone #: |
| Relinquished By: | Date: Time: | Received By: | Fax Result: ☐ Yes ☐ No Add'l Fax #: |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | #113 3.9°C / 3.3°C | Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No | CHECKED BY: (Initials) |

REMARKS:

Page 2 of 3

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

CARDINAL Laboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

| | |
|---|---|
| Company Name: Talon LPE | **BILL TO** |
| Project Manager: C. Hensley | P.O. #: |
| Address: 408 W. Texas Ave | Company: |
| City: Artesia State: NM Zip: 88210 | Attn: |
| Phone #: 575.746.8768 Fax #: | Address: |
| Project #: 702520.053.01 Project Owner: Matador | City: |
| Project Name: Chevron 12 Fed 3 | State: Zip: |
| Project Location: Lea County, NM | Phone #: |
| Sampler Name: M. Gomez, B. Medley | Fax #: |

| FOR LAB USE ONLY Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | PRESERV.: ACID/BASE: | ICE / COOL | OTHER : | SAMPLING: DATE | TIME | CL | BTEX | TPH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H232762-21 | S-12 4' | G | 1 | | | ✓ | | | | | X | | 5/30/23 | 12:22 | ✓ | ✓ | ✓ |

ANALYSIS REQUEST



| | | | |
|---|---|---|---|
| Relinquished By: Matthew Gomez | Date: 5/31/23 Time: 1132 | Received By: S Rodriguez | Phone Result: ☐ Yes ☐ No Add'l Phone #: |
| Relinquished By: | Date: Time: | Received By: | Fax Result: ☐ Yes ☐ No Add'l Fax #: |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | #113 3.9°C / 3.3°C | Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No | CHECKED BY: (Initials) SR |

REMARKS:

Page 3 of 3

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

eurofins | Environment Testing



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Chad Hensley
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Generated 3/30/2023 2:33:23 PM

## JOB DESCRIPTION

Chevron 12 Fed #3
SDG NUMBER 702520.053.01

## JOB NUMBER

890-4376-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.





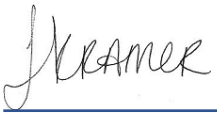
my EOL

# Eurofins Carlsbad

## Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated
3/30/2023 2:33:23 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Talon/LPE
Project/Site: Chevron 12 Fed #3

Laboratory Job ID: 890-4376-1
SDG: 702520.053.01

# Table of Contents

# Definitions/Glossary

Client: Talon/LPE
Project/Site: Chevron 12 Fed #3

Job ID: 890-4376-1
SDG: 702520.053.01

## Qualifiers

### GC VOA

| Qualifier | Qualifier Description |
|---|---|
| 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. |

### GC Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| 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. |

### HPLC/IC

| Qualifier | Qualifier Description |
|---|---|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U | Indicates the analyte was analyzed for but not detected. |

## Glossary

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

# Case Narrative

Client: Talon/LPE
Project/Site: Chevron 12 Fed #3

Job ID: 890-4376-1
SDG: 702520.053.01

## Job ID: 890-4376-1

**Laboratory: Eurofins Carlsbad**

**Narrative**

**Job Narrative**
**890-4376-1**

**Receipt**
The samples were received on 3/21/2023 12:01 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 21.0°C

**Receipt Exceptions**
The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (890-4376-1), S-1 (890-4376-2), S-1 (890-4376-3), S-2 (890-4376-4), S-2 (890-4376-5), S-2 (890-4376-6), S-3 (890-4376-7), S-3 (890-4376-8), S-3 (890-4376-9), S-4 (890-4376-10), S-4 (890-4376-11), S-4 (890-4376-12), S-5 (890-4376-13), S-5 (890-4376-14) and S-5 (890-4376-15).

The following samples were received at the laboratory outside the required temperature criteria: S-1 (890-4376-1), S-1 (890-4376-2), S-1 (890-4376-3), S-2 (890-4376-4), S-2 (890-4376-5), S-2 (890-4376-6), S-3 (890-4376-7), S-3 (890-4376-8), S-3 (890-4376-9), S-4 (890-4376-10), S-4 (890-4376-11), S-4 (890-4376-12), S-5 (890-4376-13), S-5 (890-4376-14) and S-5 (890-4376-15). The sample(s) is considered acceptable since it was collected and submitted to the laboratory on the same day and there is evidence that the chilling process has begun.

**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.

# Client Sample Results

Client: Talon/LPE
Project/Site: Chevron 12 Fed #3

Job ID: 890-4376-1
SDG: 702520.053.01

## Client Sample ID: S-1

**Lab Sample ID: 890-4376-1**
**Matrix: Solid**
**Date Collected: 03/21/23 08:52**
**Date Received: 03/21/23 12:01**
**Sample Depth: 1**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.000389 | U | 0.00202 | 0.000389 | mg/Kg | | 03/28/23 15:50 | 03/30/23 03:13 | 1 |
| **Toluene** | **0.000714** | **J** | 0.00202 | 0.000461 | mg/Kg | | 03/28/23 15:50 | 03/30/23 03:13 | 1 |
| Ethylbenzene | <0.000571 | U | 0.00202 | 0.000571 | mg/Kg | | 03/28/23 15:50 | 03/30/23 03:13 | 1 |
| m-Xylene & p-Xylene | <0.00102 | U | 0.00404 | 0.00102 | mg/Kg | | 03/28/23 15:50 | 03/30/23 03:13 | 1 |
| o-Xylene | <0.000347 | U | 0.00202 | 0.000347 | mg/Kg | | 03/28/23 15:50 | 03/30/23 03:13 | 1 |
| Xylenes, Total | <0.00102 | U | 0.00404 | 0.00102 | mg/Kg | | 03/28/23 15:50 | 03/30/23 03:13 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *105* | | *70 - 130* | *03/28/23 15:50* | *03/30/23 03:13* | *1* |
| *1,4-Difluorobenzene (Surr)* | *107* | | *70 - 130* | *03/28/23 15:50* | *03/30/23 03:13* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00102 | U | 0.00404 | 0.00102 | mg/Kg | | | 03/30/23 13:32 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **34.6** | **J** | 49.9 | 15.0 | mg/Kg | | | 03/27/23 11:15 | 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** | **34.6** | **J** | 49.9 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/24/23 21:51 | 1 |
| Diesel Range Organics (Over C10-C28) | <15.0 | U | 49.9 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/24/23 21:51 | 1 |
| OII Range Organics (Over C28-C36) | <15.0 | U | 49.9 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/24/23 21:51 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *100* | | *70 - 130* | *03/24/23 08:47* | *03/24/23 21:51* | *1* |
| *o-Terphenyl* | *99* | | *70 - 130* | *03/24/23 08:47* | *03/24/23 21:51* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **3.51** | **J** | 4.97 | 0.393 | mg/Kg | | | 03/24/23 07:34 | 1 |

## Client Sample ID: S-1

**Lab Sample ID: 890-4376-2**
**Matrix: Solid**
**Date Collected: 03/21/23 08:57**
**Date Received: 03/21/23 12:01**
**Sample Depth: 3**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.000381 | U | 0.00198 | 0.000381 | mg/Kg | | 03/28/23 15:50 | 03/30/23 03:33 | 1 |
| **Toluene** | **0.00139** | **J** | 0.00198 | 0.000451 | mg/Kg | | 03/28/23 15:50 | 03/30/23 03:33 | 1 |
| Ethylbenzene | <0.000559 | U | 0.00198 | 0.000559 | mg/Kg | | 03/28/23 15:50 | 03/30/23 03:33 | 1 |
| m-Xylene & p-Xylene | <0.00100 | U | 0.00396 | 0.00100 | mg/Kg | | 03/28/23 15:50 | 03/30/23 03:33 | 1 |
| o-Xylene | <0.000341 | U | 0.00198 | 0.000341 | mg/Kg | | 03/28/23 15:50 | 03/30/23 03:33 | 1 |
| Xylenes, Total | <0.00100 | U | 0.00396 | 0.00100 | mg/Kg | | 03/28/23 15:50 | 03/30/23 03:33 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *102* | | *70 - 130* | *03/28/23 15:50* | *03/30/23 03:33* | *1* |

# Client Sample Results

Client: Talon/LPE
Project/Site: Chevron 12 Fed #3

Job ID: 890-4376-1
SDG: 702520.053.01

## Client Sample ID: S-1

**Lab Sample ID: 890-4376-2**
**Matrix: Solid**
**Date Collected: 03/21/23 08:57**
**Date Received: 03/21/23 12:01**
**Sample Depth: 3**

### Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1,4-Difluorobenzene (Surr)* | *105* | | *70 - 130* | *03/28/23 15:50* | *03/30/23 03:33* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total BTEX** | **0.00139** | **J** | 0.00396 | 0.00100 | mg/Kg | | | 03/30/23 13:32 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **33.5** | **J** | 50.0 | 15.0 | mg/Kg | | | 03/27/23 11:15 | 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** | **33.5** | **J** | 50.0 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/24/23 22:57 | 1 |
| Diesel Range Organics (Over C10-C28) | <15.0 | U | 50.0 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/24/23 22:57 | 1 |
| OII Range Organics (Over C28-C36) | <15.0 | U | 50.0 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/24/23 22:57 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *101* | | *70 - 130* | *03/24/23 08:47* | *03/24/23 22:57* | *1* |
| *o-Terphenyl* | *105* | | *70 - 130* | *03/24/23 08:47* | *03/24/23 22:57* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **0.922** | **J** | 5.00 | 0.395 | mg/Kg | | | 03/24/23 07:39 | 1 |

## Client Sample ID: S-1

**Lab Sample ID: 890-4376-3**
**Matrix: Solid**
**Date Collected: 03/21/23 09:02**
**Date Received: 03/21/23 12:01**
**Sample Depth: 4**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.000383 | U | 0.00199 | 0.000383 | mg/Kg | | 03/28/23 15:50 | 03/30/23 03:54 | 1 |
| **Toluene** | **0.000935** | **J** | 0.00199 | 0.000453 | mg/Kg | | 03/28/23 15:50 | 03/30/23 03:54 | 1 |
| Ethylbenzene | <0.000562 | U | 0.00199 | 0.000562 | mg/Kg | | 03/28/23 15:50 | 03/30/23 03:54 | 1 |
| m-Xylene & p-Xylene | <0.00100 | U | 0.00398 | 0.00100 | mg/Kg | | 03/28/23 15:50 | 03/30/23 03:54 | 1 |
| o-Xylene | <0.000342 | U | 0.00199 | 0.000342 | mg/Kg | | 03/28/23 15:50 | 03/30/23 03:54 | 1 |
| Xylenes, Total | <0.00100 | U | 0.00398 | 0.00100 | mg/Kg | | 03/28/23 15:50 | 03/30/23 03:54 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *102* | | *70 - 130* | *03/28/23 15:50* | *03/30/23 03:54* | *1* |
| *1,4-Difluorobenzene (Surr)* | *103* | | *70 - 130* | *03/28/23 15:50* | *03/30/23 03:54* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00100 | U | 0.00398 | 0.00100 | mg/Kg | | | 03/30/23 13:32 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **38.8** | **J** | 49.9 | 15.0 | mg/Kg | | | 03/27/23 11:15 | 1 |

Eurofins Carlsbad

# Client Sample Results

Client: Talon/LPE
Project/Site: Chevron 12 Fed #3

Job ID: 890-4376-1
SDG: 702520.053.01

## Client Sample ID: S-1

**Lab Sample ID: 890-4376-3**
**Matrix: Solid**

**Date Collected: 03/21/23 09:02**
**Date Received: 03/21/23 12:01**
**Sample Depth: 4**

### 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 | 49.9 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/24/23 23:20 | 1 |
| Diesel Range Organics (Over C10-C28) | <15.0 | U | 49.9 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/24/23 23:20 | 1 |
| OII Range Organics (Over C28-C36) | <15.0 | U | 49.9 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/24/23 23:20 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *85* | | *70 - 130* | *03/24/23 08:47* | *03/24/23 23:20* | *1* |
| *o-Terphenyl* | *95* | | *70 - 130* | *03/24/23 08:47* | *03/24/23 23:20* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 1.82 | J | 4.96 | 0.392 | mg/Kg | | | 03/24/23 07:44 | 1 |

## Client Sample ID: S-2

**Lab Sample ID: 890-4376-4**
**Matrix: Solid**

**Date Collected: 03/21/23 09:08**
**Date Received: 03/21/23 12:01**
**Sample Depth: 1**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.000383 | U | 0.00199 | 0.000383 | mg/Kg | | 03/28/23 15:50 | 03/30/23 04:14 | 1 |
| Toluene | 0.00123 | J | 0.00199 | 0.000454 | mg/Kg | | 03/28/23 15:50 | 03/30/23 04:14 | 1 |
| Ethylbenzene | <0.000563 | U | 0.00199 | 0.000563 | mg/Kg | | 03/28/23 15:50 | 03/30/23 04:14 | 1 |
| m-Xylene & p-Xylene | <0.00101 | U | 0.00398 | 0.00101 | mg/Kg | | 03/28/23 15:50 | 03/30/23 04:14 | 1 |
| o-Xylene | <0.000343 | U | 0.00199 | 0.000343 | mg/Kg | | 03/28/23 15:50 | 03/30/23 04:14 | 1 |
| Xylenes, Total | <0.00101 | U | 0.00398 | 0.00101 | mg/Kg | | 03/28/23 15:50 | 03/30/23 04:14 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *105* | | *70 - 130* | *03/28/23 15:50* | *03/30/23 04:14* | *1* |
| *1,4-Difluorobenzene (Surr)* | *107* | | *70 - 130* | *03/28/23 15:50* | *03/30/23 04:14* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | 0.00123 | J | 0.00398 | 0.00101 | mg/Kg | | | 03/30/23 13:32 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | 36.7 | J | 49.9 | 15.0 | mg/Kg | | | 03/27/23 11:15 | 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 | 36.7 | J | 49.9 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/24/23 23:43 | 1 |
| Diesel Range Organics (Over C10-C28) | <15.0 | U | 49.9 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/24/23 23:43 | 1 |
| OII Range Organics (Over C28-C36) | <15.0 | U | 49.9 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/24/23 23:43 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *94* | | *70 - 130* | *03/24/23 08:47* | *03/24/23 23:43* | *1* |
| *o-Terphenyl* | *94* | | *70 - 130* | *03/24/23 08:47* | *03/24/23 23:43* | *1* |

# Client Sample Results

Client: Talon/LPE
Project/Site: Chevron 12 Fed #3

Job ID: 890-4376-1
SDG: 702520.053.01

## Client Sample ID: S-2

**Lab Sample ID: 890-4376-4**
**Matrix: Solid**
**Date Collected: 03/21/23 09:08**
**Date Received: 03/21/23 12:01**
**Sample Depth: 1**

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 5.36 | | 5.05 | 0.399 | mg/Kg | | | 03/24/23 07:48 | 1 |

## Client Sample ID: S-2

**Lab Sample ID: 890-4376-5**
**Matrix: Solid**
**Date Collected: 03/21/23 09:13**
**Date Received: 03/21/23 12:01**
**Sample Depth: 3**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.000384 | U | 0.00200 | 0.000384 | mg/Kg | | 03/28/23 15:50 | 03/30/23 04:35 | 1 |
| Toluene | 0.000879 | J | 0.00200 | 0.000455 | mg/Kg | | 03/28/23 15:50 | 03/30/23 04:35 | 1 |
| Ethylbenzene | <0.000564 | U | 0.00200 | 0.000564 | mg/Kg | | 03/28/23 15:50 | 03/30/23 04:35 | 1 |
| m-Xylene & p-Xylene | <0.00101 | U | 0.00399 | 0.00101 | mg/Kg | | 03/28/23 15:50 | 03/30/23 04:35 | 1 |
| o-Xylene | <0.000343 | U | 0.00200 | 0.000343 | mg/Kg | | 03/28/23 15:50 | 03/30/23 04:35 | 1 |
| Xylenes, Total | <0.00101 | U | 0.00399 | 0.00101 | mg/Kg | | 03/28/23 15:50 | 03/30/23 04:35 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *106* | | *70 - 130* | *03/28/23 15:50* | *03/30/23 04:35* | *1* |
| *1,4-Difluorobenzene (Surr)* | *105* | | *70 - 130* | *03/28/23 15:50* | *03/30/23 04:35* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00101 | U | 0.00399 | 0.00101 | mg/Kg | | | 03/30/23 13:32 | 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 | | | 03/27/23 11:15 | 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 | 49.9 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/25/23 00:05 | 1 |
| Diesel Range Organics (Over C10-C28) | <15.0 | U | 49.9 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/25/23 00:05 | 1 |
| OII Range Organics (Over C28-C36) | <15.0 | U | 49.9 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/25/23 00:05 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *83* | | *70 - 130* | *03/24/23 08:47* | *03/25/23 00:05* | *1* |
| *o-Terphenyl* | *91* | | *70 - 130* | *03/24/23 08:47* | *03/25/23 00:05* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 2.97 | J | 5.02 | 0.397 | mg/Kg | | | 03/24/23 07:53 | 1 |

# Client Sample Results

Client: Talon/LPE
Project/Site: Chevron 12 Fed #3

Job ID: 890-4376-1
SDG: 702520.053.01

## Client Sample ID: S-2

**Lab Sample ID: 890-4376-6**
**Matrix: Solid**
**Date Collected: 03/21/23 09:17**
**Date Received: 03/21/23 12:01**
**Sample Depth: 4**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.000388 | U | 0.00202 | 0.000388 | mg/Kg | | 03/28/23 15:50 | 03/30/23 06:24 | 1 |
| **Toluene** | **0.000802** | **J** | 0.00202 | 0.000460 | mg/Kg | | 03/28/23 15:50 | 03/30/23 06:24 | 1 |
| Ethylbenzene | <0.000570 | U | 0.00202 | 0.000570 | mg/Kg | | 03/28/23 15:50 | 03/30/23 06:24 | 1 |
| m-Xylene & p-Xylene | <0.00102 | U | 0.00403 | 0.00102 | mg/Kg | | 03/28/23 15:50 | 03/30/23 06:24 | 1 |
| o-Xylene | <0.000347 | U | 0.00202 | 0.000347 | mg/Kg | | 03/28/23 15:50 | 03/30/23 06:24 | 1 |
| Xylenes, Total | <0.00102 | U | 0.00403 | 0.00102 | mg/Kg | | 03/28/23 15:50 | 03/30/23 06:24 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *96* | | *70 - 130* | *03/28/23 15:50* | *03/30/23 06:24* | *1* |
| *1,4-Difluorobenzene (Surr)* | *107* | | *70 - 130* | *03/28/23 15:50* | *03/30/23 06:24* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00102 | U | 0.00403 | 0.00102 | mg/Kg | | | 03/30/23 13:32 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <15.0 | U | 50.0 | 15.0 | mg/Kg | | | 03/27/23 11:15 | 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 | <15.0 | U | 50.0 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/25/23 00:27 | 1 |
| Diesel Range Organics (Over C10-C28) | <15.0 | U | 50.0 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/25/23 00:27 | 1 |
| OII Range Organics (Over C28-C36) | <15.0 | U | 50.0 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/25/23 00:27 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *88* | | *70 - 130* | *03/24/23 08:47* | *03/25/23 00:27* | *1* |
| *o-Terphenyl* | *94* | | *70 - 130* | *03/24/23 08:47* | *03/25/23 00:27* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **3.10** | **J** | 5.00 | 0.395 | mg/Kg | | | 03/24/23 07:58 | 1 |

## Client Sample ID: S-3

**Lab Sample ID: 890-4376-7**
**Matrix: Solid**
**Date Collected: 03/21/23 09:22**
**Date Received: 03/21/23 12:01**
**Sample Depth: 1**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.000383 | U | 0.00199 | 0.000383 | mg/Kg | | 03/28/23 15:50 | 03/30/23 06:45 | 1 |
| **Toluene** | **0.00110** | **J** | 0.00199 | 0.000454 | mg/Kg | | 03/28/23 15:50 | 03/30/23 06:45 | 1 |
| Ethylbenzene | <0.000563 | U | 0.00199 | 0.000563 | mg/Kg | | 03/28/23 15:50 | 03/30/23 06:45 | 1 |
| m-Xylene & p-Xylene | <0.00101 | U | 0.00398 | 0.00101 | mg/Kg | | 03/28/23 15:50 | 03/30/23 06:45 | 1 |
| o-Xylene | <0.000343 | U | 0.00199 | 0.000343 | mg/Kg | | 03/28/23 15:50 | 03/30/23 06:45 | 1 |
| Xylenes, Total | <0.00101 | U | 0.00398 | 0.00101 | mg/Kg | | 03/28/23 15:50 | 03/30/23 06:45 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *100* | | *70 - 130* | *03/28/23 15:50* | *03/30/23 06:45* | *1* |

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# Client Sample Results

Client: Talon/LPE
Project/Site: Chevron 12 Fed #3

Job ID: 890-4376-1
SDG: 702520.053.01

## Client Sample ID: S-3
**Date Collected: 03/21/23 09:22**
**Date Received: 03/21/23 12:01**
**Sample Depth: 1**

## Lab Sample ID: 890-4376-7
**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,4-Difluorobenzene (Surr)* | *107* | | *70 - 130* | *03/28/23 15:50* | *03/30/23 06:45* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total BTEX** | **0.00110** | **J** | 0.00398 | 0.00101 | mg/Kg | | | 03/30/23 13:32 | 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** | 50.0 | 15.0 | mg/Kg | | | 03/27/23 11:15 | 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** | 50.0 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/25/23 00:50 | 1 |
| Diesel Range Organics (Over C10-C28) | <15.0 | U | 50.0 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/25/23 00:50 | 1 |
| OII Range Organics (Over C28-C36) | <15.0 | U | 50.0 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/25/23 00:50 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *86* | | *70 - 130* | *03/24/23 08:47* | *03/25/23 00:50* | *1* |
| *o-Terphenyl* | *97* | | *70 - 130* | *03/24/23 08:47* | *03/25/23 00:50* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.9** | | 4.95 | 0.391 | mg/Kg | | | 03/24/23 01:17 | 1 |

## Client Sample ID: S-3
**Date Collected: 03/21/23 09:29**
**Date Received: 03/21/23 12:01**
**Sample Depth: 3**

## Lab Sample ID: 890-4376-8
**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.000381 | U | 0.00198 | 0.000381 | mg/Kg | | 03/28/23 15:50 | 03/30/23 07:05 | 1 |
| **Toluene** | **0.00129** | **J** | 0.00198 | 0.000451 | mg/Kg | | 03/28/23 15:50 | 03/30/23 07:05 | 1 |
| Ethylbenzene | <0.000559 | U | 0.00198 | 0.000559 | mg/Kg | | 03/28/23 15:50 | 03/30/23 07:05 | 1 |
| m-Xylene & p-Xylene | <0.00100 | U | 0.00396 | 0.00100 | mg/Kg | | 03/28/23 15:50 | 03/30/23 07:05 | 1 |
| o-Xylene | <0.000341 | U | 0.00198 | 0.000341 | mg/Kg | | 03/28/23 15:50 | 03/30/23 07:05 | 1 |
| Xylenes, Total | <0.00100 | U | 0.00396 | 0.00100 | mg/Kg | | 03/28/23 15:50 | 03/30/23 07:05 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *106* | | *70 - 130* | *03/28/23 15:50* | *03/30/23 07:05* | *1* |
| *1,4-Difluorobenzene (Surr)* | *106* | | *70 - 130* | *03/28/23 15:50* | *03/30/23 07:05* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total BTEX** | **0.00129** | **J** | 0.00396 | 0.00100 | mg/Kg | | | 03/30/23 13:32 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **61.5** | | 49.9 | 15.0 | mg/Kg | | | 03/27/23 11:15 | 1 |

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# Client Sample Results

Client: Talon/LPE
Project/Site: Chevron 12 Fed #3

Job ID: 890-4376-1
SDG: 702520.053.01

## Client Sample ID: S-3

**Lab Sample ID: 890-4376-8**
**Matrix: Solid**
**Date Collected: 03/21/23 09:29**
**Date Received: 03/21/23 12:01**
**Sample Depth: 3**

### 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 | 44.1 | J | 49.9 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/25/23 01:13 | 1 |
| Diesel Range Organics (Over C10-C28) | 17.4 | J | 49.9 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/25/23 01:13 | 1 |
| Oil Range Organics (Over C28-C36) | <15.0 | U | 49.9 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/25/23 01:13 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *86* | | *70 - 130* | *03/24/23 08:47* | *03/25/23 01:13* | *1* |
| *o-Terphenyl* | *94* | | *70 - 130* | *03/24/23 08:47* | *03/25/23 01:13* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 34.7 | | 4.95 | 0.391 | mg/Kg | | | 03/24/23 01:22 | 1 |

## Client Sample ID: S-3

**Lab Sample ID: 890-4376-9**
**Matrix: Solid**
**Date Collected: 03/21/23 09:31**
**Date Received: 03/21/23 12:01**
**Sample Depth: 4**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.000383 | U | 0.00199 | 0.000383 | mg/Kg | | 03/28/23 15:50 | 03/30/23 07:26 | 1 |
| Toluene | 0.000609 | J | 0.00199 | 0.000453 | mg/Kg | | 03/28/23 15:50 | 03/30/23 07:26 | 1 |
| Ethylbenzene | <0.000562 | U | 0.00199 | 0.000562 | mg/Kg | | 03/28/23 15:50 | 03/30/23 07:26 | 1 |
| m-Xylene & p-Xylene | <0.00100 | U | 0.00398 | 0.00100 | mg/Kg | | 03/28/23 15:50 | 03/30/23 07:26 | 1 |
| o-Xylene | <0.000342 | U | 0.00199 | 0.000342 | mg/Kg | | 03/28/23 15:50 | 03/30/23 07:26 | 1 |
| Xylenes, Total | <0.00100 | U | 0.00398 | 0.00100 | mg/Kg | | 03/28/23 15:50 | 03/30/23 07:26 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *104* | | *70 - 130* | *03/28/23 15:50* | *03/30/23 07:26* | *1* |
| *1,4-Difluorobenzene (Surr)* | *106* | | *70 - 130* | *03/28/23 15:50* | *03/30/23 07:26* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00100 | U | 0.00398 | 0.00100 | mg/Kg | | | 03/30/23 13:32 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | 34.5 | J | 49.9 | 15.0 | mg/Kg | | | 03/27/23 11:15 | 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 | 34.5 | J | 49.9 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/25/23 01:36 | 1 |
| Diesel Range Organics (Over C10-C28) | <15.0 | U | 49.9 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/25/23 01:36 | 1 |
| Oil Range Organics (Over C28-C36) | <15.0 | U | 49.9 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/25/23 01:36 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *83* | | *70 - 130* | *03/24/23 08:47* | *03/25/23 01:36* | *1* |
| *o-Terphenyl* | *89* | | *70 - 130* | *03/24/23 08:47* | *03/25/23 01:36* | *1* |

# Client Sample Results

Client: Talon/LPE
Project/Site: Chevron 12 Fed #3

Job ID: 890-4376-1
SDG: 702520.053.01

## Client Sample ID: S-3
**Date Collected: 03/21/23 09:31**
**Date Received: 03/21/23 12:01**
**Sample Depth: 4**

## Lab Sample ID: 890-4376-9
**Matrix: Solid**

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 23.4 | | 5.01 | 0.396 | mg/Kg | | | 03/24/23 01:27 | 1 |

## Client Sample ID: S-4
**Date Collected: 03/21/23 09:36**
**Date Received: 03/21/23 12:01**
**Sample Depth: 1**

## Lab Sample ID: 890-4376-10
**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.000384 | U | 0.00200 | 0.000384 | mg/Kg | | 03/28/23 15:50 | 03/30/23 07:46 | 1 |
| Toluene | 0.00112 | J | 0.00200 | 0.000455 | mg/Kg | | 03/28/23 15:50 | 03/30/23 07:46 | 1 |
| Ethylbenzene | <0.000564 | U | 0.00200 | 0.000564 | mg/Kg | | 03/28/23 15:50 | 03/30/23 07:46 | 1 |
| m-Xylene & p-Xylene | <0.00101 | U | 0.00399 | 0.00101 | mg/Kg | | 03/28/23 15:50 | 03/30/23 07:46 | 1 |
| o-Xylene | <0.000343 | U | 0.00200 | 0.000343 | mg/Kg | | 03/28/23 15:50 | 03/30/23 07:46 | 1 |
| Xylenes, Total | <0.00101 | U | 0.00399 | 0.00101 | mg/Kg | | 03/28/23 15:50 | 03/30/23 07:46 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *106* | | *70 - 130* | *03/28/23 15:50* | *03/30/23 07:46* | *1* |
| *1,4-Difluorobenzene (Surr)* | *108* | | *70 - 130* | *03/28/23 15:50* | *03/30/23 07:46* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | 0.00112 | J | 0.00399 | 0.00101 | mg/Kg | | | 03/30/23 13:32 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | 44.7 | J | 49.9 | 15.0 | mg/Kg | | | 03/27/23 11:15 | 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 | 44.7 | J | 49.9 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/25/23 01:59 | 1 |
| Diesel Range Organics (Over C10-C28) | <15.0 | U | 49.9 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/25/23 01:59 | 1 |
| OII Range Organics (Over C28-C36) | <15.0 | U | 49.9 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/25/23 01:59 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *79* | | *70 - 130* | *03/24/23 08:47* | *03/25/23 01:59* | *1* |
| *o-Terphenyl* | *85* | | *70 - 130* | *03/24/23 08:47* | *03/25/23 01:59* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 524 | | 4.98 | 0.393 | mg/Kg | | | 03/24/23 01:41 | 1 |

# Client Sample Results

Client: Talon/LPE
Project/Site: Chevron 12 Fed #3

Job ID: 890-4376-1
SDG: 702520.053.01

## Client Sample ID: S-4

**Lab Sample ID: 890-4376-11**
**Matrix: Solid**
**Date Collected: 03/21/23 09:16**
**Date Received: 03/21/23 12:01**
**Sample Depth: 3**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.000387 | U | 0.00201 | 0.000387 | mg/Kg | | 03/28/23 15:50 | 03/30/23 08:07 | 1 |
| **Toluene** | **0.00120** | **J** | 0.00201 | 0.000459 | mg/Kg | | 03/28/23 15:50 | 03/30/23 08:07 | 1 |
| Ethylbenzene | <0.000568 | U | 0.00201 | 0.000568 | mg/Kg | | 03/28/23 15:50 | 03/30/23 08:07 | 1 |
| m-Xylene & p-Xylene | <0.00102 | U | 0.00402 | 0.00102 | mg/Kg | | 03/28/23 15:50 | 03/30/23 08:07 | 1 |
| o-Xylene | <0.000346 | U | 0.00201 | 0.000346 | mg/Kg | | 03/28/23 15:50 | 03/30/23 08:07 | 1 |
| Xylenes, Total | <0.00102 | U | 0.00402 | 0.00102 | mg/Kg | | 03/28/23 15:50 | 03/30/23 08:07 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *104* | | *70 - 130* | *03/28/23 15:50* | *03/30/23 08:07* | *1* |
| *1,4-Difluorobenzene (Surr)* | *109* | | *70 - 130* | *03/28/23 15:50* | *03/30/23 08:07* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total BTEX** | **0.00120** | **J** | 0.00402 | 0.00102 | mg/Kg | | | 03/30/23 13:32 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **31.0** | **J** | 49.9 | 15.0 | mg/Kg | | | 03/27/23 11:15 | 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** | **31.0** | **J** | 49.9 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/25/23 02:43 | 1 |
| Diesel Range Organics (Over C10-C28) | <15.0 | U | 49.9 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/25/23 02:43 | 1 |
| OII Range Organics (Over C28-C36) | <15.0 | U | 49.9 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/25/23 02:43 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *87* | | *70 - 130* | *03/24/23 08:47* | *03/25/23 02:43* | *1* |
| *o-Terphenyl* | *93* | | *70 - 130* | *03/24/23 08:47* | *03/25/23 02:43* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **189** | | 5.04 | 0.398 | mg/Kg | | | 03/24/23 01:46 | 1 |

## Client Sample ID: S-4

**Lab Sample ID: 890-4376-12**
**Matrix: Solid**
**Date Collected: 03/21/23 09:19**
**Date Received: 03/21/23 12:01**
**Sample Depth: 4**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.000386 | U | 0.00200 | 0.000386 | mg/Kg | | 03/28/23 15:50 | 03/30/23 08:27 | 1 |
| **Toluene** | **0.00109** | **J** | 0.00200 | 0.000457 | mg/Kg | | 03/28/23 15:50 | 03/30/23 08:27 | 1 |
| Ethylbenzene | <0.000566 | U | 0.00200 | 0.000566 | mg/Kg | | 03/28/23 15:50 | 03/30/23 08:27 | 1 |
| m-Xylene & p-Xylene | <0.00101 | U | 0.00401 | 0.00101 | mg/Kg | | 03/28/23 15:50 | 03/30/23 08:27 | 1 |
| o-Xylene | <0.000345 | U | 0.00200 | 0.000345 | mg/Kg | | 03/28/23 15:50 | 03/30/23 08:27 | 1 |
| Xylenes, Total | <0.00101 | U | 0.00401 | 0.00101 | mg/Kg | | 03/28/23 15:50 | 03/30/23 08:27 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *100* | | *70 - 130* | *03/28/23 15:50* | *03/30/23 08:27* | *1* |

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# Client Sample Results

Client: Talon/LPE
Project/Site: Chevron 12 Fed #3

Job ID: 890-4376-1
SDG: 702520.053.01

## Client Sample ID: S-4

**Date Collected: 03/21/23 09:19**
**Date Received: 03/21/23 12:01**
**Sample Depth: 4**

## Lab Sample ID: 890-4376-12

**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,4-Difluorobenzene (Surr)* | *106* | | *70 - 130* | *03/28/23 15:50* | *03/30/23 08:27* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total BTEX** | **0.00109** | **J** | 0.00401 | 0.00101 | mg/Kg | | | 03/30/23 13:32 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **44.3** | **J** | 50.0 | 15.0 | mg/Kg | | | 03/27/23 11:15 | 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** | **44.3** | **J** | 50.0 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/25/23 03:05 | 1 |
| Diesel Range Organics (Over C10-C28) | <15.0 | U | 50.0 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/25/23 03:05 | 1 |
| Oil Range Organics (Over C28-C36) | <15.0 | U | 50.0 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/25/23 03:05 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *89* | | *70 - 130* | *03/24/23 08:47* | *03/25/23 03:05* | *1* |
| *o-Terphenyl* | *92* | | *70 - 130* | *03/24/23 08:47* | *03/25/23 03:05* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **118** | | 5.02 | 0.397 | mg/Kg | | | 03/24/23 02:01 | 1 |

## Client Sample ID: S-5

**Date Collected: 03/21/23 09:22**
**Date Received: 03/21/23 12:01**
**Sample Depth: 1**

## Lab Sample ID: 890-4376-13

**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.000381 | U | 0.00198 | 0.000381 | mg/Kg | | 03/28/23 15:50 | 03/30/23 08:47 | 1 |
| **Toluene** | **0.00155** | **J** | 0.00198 | 0.000451 | mg/Kg | | 03/28/23 15:50 | 03/30/23 08:47 | 1 |
| Ethylbenzene | <0.000559 | U | 0.00198 | 0.000559 | mg/Kg | | 03/28/23 15:50 | 03/30/23 08:47 | 1 |
| m-Xylene & p-Xylene | <0.00100 | U | 0.00396 | 0.00100 | mg/Kg | | 03/28/23 15:50 | 03/30/23 08:47 | 1 |
| o-Xylene | <0.000341 | U | 0.00198 | 0.000341 | mg/Kg | | 03/28/23 15:50 | 03/30/23 08:47 | 1 |
| Xylenes, Total | <0.00100 | U | 0.00396 | 0.00100 | mg/Kg | | 03/28/23 15:50 | 03/30/23 08:47 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *102* | | *70 - 130* | *03/28/23 15:50* | *03/30/23 08:47* | *1* |
| *1,4-Difluorobenzene (Surr)* | *106* | | *70 - 130* | *03/28/23 15:50* | *03/30/23 08:47* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total BTEX** | **0.00155** | **J** | 0.00396 | 0.00100 | mg/Kg | | | 03/30/23 13:32 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **23.5** | **J** | 50.0 | 15.0 | mg/Kg | | | 03/27/23 11:15 | 1 |

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# Client Sample Results

Client: Talon/LPE
Project/Site: Chevron 12 Fed #3

Job ID: 890-4376-1
SDG: 702520.053.01

## Client Sample ID: S-5
**Date Collected: 03/21/23 09:22**
**Date Received: 03/21/23 12:01**
**Sample Depth: 1**

## Lab Sample ID: 890-4376-13
**Matrix: Solid**

### 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 | 23.5 | J | 50.0 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/25/23 03:26 | 1 |
| Diesel Range Organics (Over C10-C28) | <15.0 | U | 50.0 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/25/23 03:26 | 1 |
| Oil Range Organics (Over C28-C36) | <15.0 | U | 50.0 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/25/23 03:26 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *86* | | *70 - 130* | *03/24/23 08:47* | *03/25/23 03:26* | *1* |
| *o-Terphenyl* | *87* | | *70 - 130* | *03/24/23 08:47* | *03/25/23 03:26* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 452 | | 4.97 | 0.393 | mg/Kg | | | 03/24/23 02:05 | 1 |

## Client Sample ID: S-5
**Date Collected: 03/21/23 09:25**
**Date Received: 03/21/23 12:01**
**Sample Depth: 3**

## Lab Sample ID: 890-4376-14
**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.000383 | U | 0.00199 | 0.000383 | mg/Kg | | 03/28/23 15:50 | 03/30/23 09:08 | 1 |
| Toluene | 0.000953 | J | 0.00199 | 0.000454 | mg/Kg | | 03/28/23 15:50 | 03/30/23 09:08 | 1 |
| Ethylbenzene | <0.000563 | U | 0.00199 | 0.000563 | mg/Kg | | 03/28/23 15:50 | 03/30/23 09:08 | 1 |
| m-Xylene & p-Xylene | <0.00101 | U | 0.00398 | 0.00101 | mg/Kg | | 03/28/23 15:50 | 03/30/23 09:08 | 1 |
| o-Xylene | <0.000343 | U | 0.00199 | 0.000343 | mg/Kg | | 03/28/23 15:50 | 03/30/23 09:08 | 1 |
| Xylenes, Total | <0.00101 | U | 0.00398 | 0.00101 | mg/Kg | | 03/28/23 15:50 | 03/30/23 09:08 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *98* | | *70 - 130* | *03/28/23 15:50* | *03/30/23 09:08* | *1* |
| *1,4-Difluorobenzene (Surr)* | *106* | | *70 - 130* | *03/28/23 15:50* | *03/30/23 09:08* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00101 | U | 0.00398 | 0.00101 | mg/Kg | | | 03/30/23 13:32 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | 32.8 | J | 49.9 | 15.0 | mg/Kg | | | 03/27/23 11:15 | 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 | 32.8 | J | 49.9 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/25/23 03:48 | 1 |
| Diesel Range Organics (Over C10-C28) | <15.0 | U | 49.9 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/25/23 03:48 | 1 |
| Oil Range Organics (Over C28-C36) | <15.0 | U | 49.9 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/25/23 03:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *100* | | *70 - 130* | *03/24/23 08:47* | *03/25/23 03:48* | *1* |
| *o-Terphenyl* | *98* | | *70 - 130* | *03/24/23 08:47* | *03/25/23 03:48* | *1* |

# Client Sample Results

Client: Talon/LPE
Project/Site: Chevron 12 Fed #3

Job ID: 890-4376-1
SDG: 702520.053.01

## Client Sample ID: S-5
**Date Collected: 03/21/23 09:25**
**Date Received: 03/21/23 12:01**
**Sample Depth: 3**

**Lab Sample ID: 890-4376-14**
**Matrix: Solid**

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **563** | | 5.01 | 0.396 | mg/Kg | | | 03/24/23 02:10 | 1 |

## Client Sample ID: S-5
**Date Collected: 03/21/23 09:29**
**Date Received: 03/21/23 12:01**
**Sample Depth: 4**

**Lab Sample ID: 890-4376-15**
**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.000383 | U | 0.00199 | 0.000383 | mg/Kg | | 03/28/23 15:50 | 03/30/23 09:28 | 1 |
| **Toluene** | **0.00112** | **J** | 0.00199 | 0.000453 | mg/Kg | | 03/28/23 15:50 | 03/30/23 09:28 | 1 |
| Ethylbenzene | <0.000562 | U | 0.00199 | 0.000562 | mg/Kg | | 03/28/23 15:50 | 03/30/23 09:28 | 1 |
| m-Xylene & p-Xylene | <0.00100 | U | 0.00398 | 0.00100 | mg/Kg | | 03/28/23 15:50 | 03/30/23 09:28 | 1 |
| o-Xylene | <0.000342 | U | 0.00199 | 0.000342 | mg/Kg | | 03/28/23 15:50 | 03/30/23 09:28 | 1 |
| Xylenes, Total | <0.00100 | U | 0.00398 | 0.00100 | mg/Kg | | 03/28/23 15:50 | 03/30/23 09:28 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *98* | | *70 - 130* | *03/28/23 15:50* | *03/30/23 09:28* | *1* |
| *1,4-Difluorobenzene (Surr)* | *103* | | *70 - 130* | *03/28/23 15:50* | *03/30/23 09:28* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total BTEX** | **0.00112** | **J** | 0.00398 | 0.00100 | mg/Kg | | | 03/30/23 13:32 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **37.4** | **J** | 49.9 | 15.0 | mg/Kg | | | 03/27/23 11:15 | 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** | **37.4** | **J** | 49.9 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/25/23 04:10 | 1 |
| Diesel Range Organics (Over C10-C28) | <15.0 | U | 49.9 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/25/23 04:10 | 1 |
| OII Range Organics (Over C28-C36) | <15.0 | U | 49.9 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/25/23 04:10 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *84* | | *70 - 130* | *03/24/23 08:47* | *03/25/23 04:10* | *1* |
| *o-Terphenyl* | *86* | | *70 - 130* | *03/24/23 08:47* | *03/25/23 04:10* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **597** | | 4.98 | 0.393 | mg/Kg | | | 03/24/23 02:15 | 1 |

# Surrogate Summary

Client: Talon/LPE
Project/Site: Chevron 12 Fed #3

Job ID: 890-4376-1
SDG: 702520.053.01

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

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

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|---|---|---|---|
| Lab Sample ID | Client Sample ID | BFB1 (70-130) | DFBZ1 (70-130) |
| 880-26417-A-1-F MS | Matrix Spike | 100 | 111 |
| 880-26417-A-1-G MSD | Matrix Spike Duplicate | 102 | 109 |
| 890-4376-1 | S-1 | 105 | 107 |
| 890-4376-2 | S-1 | 102 | 105 |
| 890-4376-3 | S-1 | 102 | 103 |
| 890-4376-4 | S-2 | 105 | 107 |
| 890-4376-5 | S-2 | 106 | 105 |
| 890-4376-6 | S-2 | 96 | 107 |
| 890-4376-7 | S-3 | 100 | 107 |
| 890-4376-8 | S-3 | 106 | 106 |
| 890-4376-9 | S-3 | 104 | 106 |
| 890-4376-10 | S-4 | 106 | 108 |
| 890-4376-11 | S-4 | 104 | 109 |
| 890-4376-12 | S-4 | 100 | 106 |
| 890-4376-13 | S-5 | 102 | 106 |
| 890-4376-14 | S-5 | 98 | 106 |
| 890-4376-15 | S-5 | 98 | 103 |
| LCS 880-49656/1-A | Lab Control Sample | 100 | 112 |
| LCSD 880-49656/2-A | Lab Control Sample Dup | 94 | 109 |
| MB 880-49653/5-A | Method Blank | 89 | 101 |
| MB 880-49656/5-A | Method Blank | 90 | 100 |

**Surrogate Legend**

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

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

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

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|---|---|---|---|
| Lab Sample ID | Client Sample ID | 1CO1 (70-130) | OTPH1 (70-130) |
| 890-4376-1 | S-1 | 100 | 99 |
| 890-4376-1 MS | S-1 | 94 | 94 |
| 890-4376-1 MSD | S-1 | 111 | 103 |
| 890-4376-2 | S-1 | 101 | 105 |
| 890-4376-3 | S-1 | 85 | 95 |
| 890-4376-4 | S-2 | 94 | 94 |
| 890-4376-5 | S-2 | 83 | 91 |
| 890-4376-6 | S-2 | 88 | 94 |
| 890-4376-7 | S-3 | 86 | 97 |
| 890-4376-8 | S-3 | 86 | 94 |
| 890-4376-9 | S-3 | 83 | 89 |
| 890-4376-10 | S-4 | 79 | 85 |
| 890-4376-11 | S-4 | 87 | 93 |
| 890-4376-12 | S-4 | 89 | 92 |
| 890-4376-13 | S-5 | 86 | 87 |
| 890-4376-14 | S-5 | 100 | 98 |
| 890-4376-15 | S-5 | 84 | 86 |
| LCS 880-49368/2-A | Lab Control Sample | 85 | 100 |

# Surrogate Summary

Client: Talon/LPE Job ID: 890-4376-1
Project/Site: Chevron 12 Fed #3 SDG: 702520.053.01

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

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

| | | Percent Surrogate Recovery (Acceptance Limits) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab Sample ID | Client Sample ID | 1CO1 (70-130) | OTPH1 (70-130) | | | | | | | | |
| LCSD 880-49368/3-A | Lab Control Sample Dup | 83 | 96 | | | | | | | | |
| MB 880-49368/1-A | Method Blank | 101 | 109 | | | | | | | | |

**Surrogate Legend**

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

# QC Sample Results

Client: Talon/LPE
Project/Site: Chevron 12 Fed #3

Job ID: 890-4376-1
SDG: 702520.053.01

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

**Lab Sample ID: MB 880-49653/5-A**
**Matrix: Solid**
**Analysis Batch: 49792**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 49653**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.000385 | U | 0.00200 | 0.000385 | mg/Kg | | 03/27/23 14:59 | 03/29/23 13:26 | 1 |
| Toluene | <0.000456 | U | 0.00200 | 0.000456 | mg/Kg | | 03/27/23 14:59 | 03/29/23 13:26 | 1 |
| Ethylbenzene | <0.000565 | U | 0.00200 | 0.000565 | mg/Kg | | 03/27/23 14:59 | 03/29/23 13:26 | 1 |
| m-Xylene & p-Xylene | <0.00101 | U | 0.00400 | 0.00101 | mg/Kg | | 03/27/23 14:59 | 03/29/23 13:26 | 1 |
| o-Xylene | <0.000344 | U | 0.00200 | 0.000344 | mg/Kg | | 03/27/23 14:59 | 03/29/23 13:26 | 1 |
| Xylenes, Total | <0.00101 | U | 0.00400 | 0.00101 | mg/Kg | | 03/27/23 14:59 | 03/29/23 13:26 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *89* | | *70 - 130* | *03/27/23 14:59* | *03/29/23 13:26* | *1* |
| *1,4-Difluorobenzene (Surr)* | *101* | | *70 - 130* | *03/27/23 14:59* | *03/29/23 13:26* | *1* |

**Lab Sample ID: MB 880-49656/5-A**
**Matrix: Solid**
**Analysis Batch: 49792**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 49656**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.000385 | U | 0.00200 | 0.000385 | mg/Kg | | 03/28/23 15:50 | 03/30/23 01:02 | 1 |
| Toluene | <0.000456 | U | 0.00200 | 0.000456 | mg/Kg | | 03/28/23 15:50 | 03/30/23 01:02 | 1 |
| Ethylbenzene | <0.000565 | U | 0.00200 | 0.000565 | mg/Kg | | 03/28/23 15:50 | 03/30/23 01:02 | 1 |
| m-Xylene & p-Xylene | <0.00101 | U | 0.00400 | 0.00101 | mg/Kg | | 03/28/23 15:50 | 03/30/23 01:02 | 1 |
| o-Xylene | <0.000344 | U | 0.00200 | 0.000344 | mg/Kg | | 03/28/23 15:50 | 03/30/23 01:02 | 1 |
| Xylenes, Total | <0.00101 | U | 0.00400 | 0.00101 | mg/Kg | | 03/28/23 15:50 | 03/30/23 01:02 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *90* | | *70 - 130* | *03/28/23 15:50* | *03/30/23 01:02* | *1* |
| *1,4-Difluorobenzene (Surr)* | *100* | | *70 - 130* | *03/28/23 15:50* | *03/30/23 01:02* | *1* |

**Lab Sample ID: LCS 880-49656/1-A**
**Matrix: Solid**
**Analysis Batch: 49792**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 49656**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.1042 | | mg/Kg | | 104 | 70 - 130 |
| Toluene | 0.100 | 0.1013 | | mg/Kg | | 101 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.09223 | | mg/Kg | | 92 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.1809 | | mg/Kg | | 90 | 70 - 130 |
| o-Xylene | 0.100 | 0.09209 | | mg/Kg | | 92 | 70 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *100* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *112* | | *70 - 130* |

**Lab Sample ID: LCSD 880-49656/2-A**
**Matrix: Solid**
**Analysis Batch: 49792**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 49656**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.09462 | | mg/Kg | | 95 | 70 - 130 | 10 | 35 |

# QC Sample Results

Client: Talon/LPE
Project/Site: Chevron 12 Fed #3

Job ID: 890-4376-1
SDG: 702520.053.01

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

**Lab Sample ID: LCSD 880-49656/2-A**
**Matrix: Solid**
**Analysis Batch: 49792**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 49656**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Toluene | | | 0.100 | 0.09180 | | mg/Kg | | 92 | 70 - 130 | 10 | 35 |
| Ethylbenzene | | | 0.100 | 0.08375 | | mg/Kg | | 84 | 70 - 130 | 10 | 35 |
| m-Xylene & p-Xylene | | | 0.200 | 0.1649 | | mg/Kg | | 82 | 70 - 130 | 9 | 35 |
| o-Xylene | | | 0.100 | 0.08425 | | mg/Kg | | 84 | 70 - 130 | 9 | 35 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *94* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *109* | | *70 - 130* |

**Lab Sample ID: 880-26417-A-1-F MS**
**Matrix: Solid**
**Analysis Batch: 49792**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**
**Prep Batch: 49656**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.000384 | U | 0.100 | 0.08840 | | mg/Kg | | 88 | 70 - 130 |
| Toluene | 0.000737 | J | 0.100 | 0.08576 | | mg/Kg | | 85 | 70 - 130 |
| Ethylbenzene | <0.000564 | U | 0.100 | 0.07788 | | mg/Kg | | 78 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00101 | U | 0.200 | 0.1519 | | mg/Kg | | 76 | 70 - 130 |
| o-Xylene | <0.000343 | U | 0.100 | 0.07850 | | mg/Kg | | 78 | 70 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *100* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *111* | | *70 - 130* |

**Lab Sample ID: 880-26417-A-1-G MSD**
**Matrix: Solid**
**Analysis Batch: 49792**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**
**Prep Batch: 49656**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.000384 | U | 0.0990 | 0.09342 | | mg/Kg | | 94 | 70 - 130 | 6 | 35 |
| Toluene | 0.000737 | J | 0.0990 | 0.08971 | | mg/Kg | | 90 | 70 - 130 | 5 | 35 |
| Ethylbenzene | <0.000564 | U | 0.0990 | 0.08056 | | mg/Kg | | 81 | 70 - 130 | 3 | 35 |
| m-Xylene & p-Xylene | <0.00101 | U | 0.198 | 0.1555 | | mg/Kg | | 79 | 70 - 130 | 2 | 35 |
| o-Xylene | <0.000343 | U | 0.0990 | 0.08055 | | mg/Kg | | 81 | 70 - 130 | 3 | 35 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *102* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *109* | | *70 - 130* |

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

**Lab Sample ID: MB 880-49368/1-A**
**Matrix: Solid**
**Analysis Batch: 49358**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 49368**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <15.0 | U | 50.0 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/24/23 20:44 | 1 |

# QC Sample Results

Client: Talon/LPE
Project/Site: Chevron 12 Fed #3

Job ID: 890-4376-1
SDG: 702520.053.01

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

**Lab Sample ID: MB 880-49368/1-A** — **Client Sample ID: Method Blank**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 49358** — **Prep Batch: 49368**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics (Over C10-C28) | <15.0 | U | 50.0 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/24/23 20:44 | 1 |
| OII Range Organics (Over C28-C36) | <15.0 | U | 50.0 | 15.0 | mg/Kg | | 03/24/23 08:47 | 03/24/23 20:44 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *101* | | *70 - 130* | *03/24/23 08:47* | *03/24/23 20:44* | *1* |
| *o-Terphenyl* | *109* | | *70 - 130* | *03/24/23 08:47* | *03/24/23 20:44* | *1* |

**Lab Sample ID: LCS 880-49368/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 49358** — **Prep Batch: 49368**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 852.9 | | mg/Kg | | 85 | 70 - 130 | | |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 963.6 | | mg/Kg | | 96 | 70 - 130 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *85* | | *70 - 130* |
| *o-Terphenyl* | *100* | | *70 - 130* |

**Lab Sample ID: LCSD 880-49368/3-A** — **Client Sample ID: Lab Control Sample Dup**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 49358** — **Prep Batch: 49368**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 808.3 | | mg/Kg | | 81 | 70 - 130 | 5 | 20 |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 895.3 | | mg/Kg | | 90 | 70 - 130 | 7 | 20 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *83* | | *70 - 130* |
| *o-Terphenyl* | *96* | | *70 - 130* |

**Lab Sample ID: 890-4376-1 MS** — **Client Sample ID: S-1**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 49358** — **Prep Batch: 49368**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 34.6 | J | 998 | 981.4 | | mg/Kg | | 95 | 70 - 130 | | |
| Diesel Range Organics (Over C10-C28) | <15.0 | U | 998 | 971.8 | | mg/Kg | | 97 | 70 - 130 | | |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *94* | | *70 - 130* |
| *o-Terphenyl* | *94* | | *70 - 130* |

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# QC Sample Results

Client: Talon/LPE
Project/Site: Chevron 12 Fed #3

Job ID: 890-4376-1
SDG: 702520.053.01

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

**Lab Sample ID: 890-4376-1 MSD**
**Matrix: Solid**
**Analysis Batch: 49358**

**Client Sample ID: S-1**
**Prep Type: Total/NA**
**Prep Batch: 49368**

| 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 | 34.6 | J | 999 | 1188 | | mg/Kg | | 115 | 70 - 130 | 19 | 20 |
| Diesel Range Organics (Over C10-C28) | <15.0 | U | 999 | 1087 | | mg/Kg | | 109 | 70 - 130 | 11 | 20 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *111* | | *70 - 130* |
| *o-Terphenyl* | *103* | | *70 - 130* |

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 880-49278/1-A**
**Matrix: Solid**
**Analysis Batch: 49446**

**Client Sample ID: Method Blank**
**Prep Type: Soluble**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <0.395 | U | 5.00 | 0.395 | mg/Kg | | | 03/24/23 00:05 | 1 |

**Lab Sample ID: LCS 880-49278/2-A**
**Matrix: Solid**
**Analysis Batch: 49446**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chloride | 250 | 270.9 | | mg/Kg | | 108 | 90 - 110 |

**Lab Sample ID: LCSD 880-49278/3-A**
**Matrix: Solid**
**Analysis Batch: 49446**

**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 | 270.9 | | mg/Kg | | 108 | 90 - 110 | 0 | 20 |

**Lab Sample ID: 890-4376-9 MS**
**Matrix: Solid**
**Analysis Batch: 49446**

**Client Sample ID: S-3**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 23.4 | | 251 | 292.2 | | mg/Kg | | 107 | 90 - 110 |

**Lab Sample ID: 890-4376-9 MSD**
**Matrix: Solid**
**Analysis Batch: 49446**

**Client Sample ID: S-3**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 23.4 | | 251 | 292.4 | | mg/Kg | | 107 | 90 - 110 | 0 | 20 |

# QC Sample Results

Client: Talon/LPE
Project/Site: Chevron 12 Fed #3

Job ID: 890-4376-1
SDG: 702520.053.01

## Method: 300.0 - Anions, Ion Chromatography (Continued)

**Lab Sample ID: MB 880-49277/1-A**
**Matrix: Solid**
**Analysis Batch: 49450**

**Client Sample ID: Method Blank**
**Prep Type: Soluble**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <0.395 | U | 5.00 | 0.395 | mg/Kg | | | 03/24/23 05:33 | 1 |

**Lab Sample ID: LCS 880-49277/2-A**
**Matrix: Solid**
**Analysis Batch: 49450**

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

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | | | 250 | 269.9 | | mg/Kg | | 108 | 90 - 110 | | |

**Lab Sample ID: LCSD 880-49277/3-A**
**Matrix: Solid**
**Analysis Batch: 49450**

**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 | 270.7 | | mg/Kg | | 108 | 90 - 110 | 0 | 20 |

**Lab Sample ID: 880-26161-A-11-B MS**
**Matrix: Solid**
**Analysis Batch: 49450**

**Client Sample ID: Matrix Spike**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 14000 | | 5040 | 18960 | | mg/Kg | | 98 | 90 - 110 | | |

**Lab Sample ID: 880-26161-A-11-C MSD**
**Matrix: Solid**
**Analysis Batch: 49450**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 14000 | | 5040 | 18950 | | mg/Kg | | 98 | 90 - 110 | 0 | 20 |

# QC Association Summary

Client: Talon/LPE
Project/Site: Chevron 12 Fed #3

Job ID: 890-4376-1
SDG: 702520.053.01

## GC VOA

### Prep Batch: 49653

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 880-49653/5-A | Method Blank | Total/NA | Solid | 5035 | |

### Prep Batch: 49656

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4376-1 | S-1 | Total/NA | Solid | 5035 | |
| 890-4376-2 | S-1 | Total/NA | Solid | 5035 | |
| 890-4376-3 | S-1 | Total/NA | Solid | 5035 | |
| 890-4376-4 | S-2 | Total/NA | Solid | 5035 | |
| 890-4376-5 | S-2 | Total/NA | Solid | 5035 | |
| 890-4376-6 | S-2 | Total/NA | Solid | 5035 | |
| 890-4376-7 | S-3 | Total/NA | Solid | 5035 | |
| 890-4376-8 | S-3 | Total/NA | Solid | 5035 | |
| 890-4376-9 | S-3 | Total/NA | Solid | 5035 | |
| 890-4376-10 | S-4 | Total/NA | Solid | 5035 | |
| 890-4376-11 | S-4 | Total/NA | Solid | 5035 | |
| 890-4376-12 | S-4 | Total/NA | Solid | 5035 | |
| 890-4376-13 | S-5 | Total/NA | Solid | 5035 | |
| 890-4376-14 | S-5 | Total/NA | Solid | 5035 | |
| 890-4376-15 | S-5 | Total/NA | Solid | 5035 | |
| MB 880-49656/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-49656/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-49656/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-26417-A-1-F MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-26417-A-1-G MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

### Analysis Batch: 49792

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4376-1 | S-1 | Total/NA | Solid | 8021B | 49656 |
| 890-4376-2 | S-1 | Total/NA | Solid | 8021B | 49656 |
| 890-4376-3 | S-1 | Total/NA | Solid | 8021B | 49656 |
| 890-4376-4 | S-2 | Total/NA | Solid | 8021B | 49656 |
| 890-4376-5 | S-2 | Total/NA | Solid | 8021B | 49656 |
| 890-4376-6 | S-2 | Total/NA | Solid | 8021B | 49656 |
| 890-4376-7 | S-3 | Total/NA | Solid | 8021B | 49656 |
| 890-4376-8 | S-3 | Total/NA | Solid | 8021B | 49656 |
| 890-4376-9 | S-3 | Total/NA | Solid | 8021B | 49656 |
| 890-4376-10 | S-4 | Total/NA | Solid | 8021B | 49656 |
| 890-4376-11 | S-4 | Total/NA | Solid | 8021B | 49656 |
| 890-4376-12 | S-4 | Total/NA | Solid | 8021B | 49656 |
| 890-4376-13 | S-5 | Total/NA | Solid | 8021B | 49656 |
| 890-4376-14 | S-5 | Total/NA | Solid | 8021B | 49656 |
| 890-4376-15 | S-5 | Total/NA | Solid | 8021B | 49656 |
| MB 880-49653/5-A | Method Blank | Total/NA | Solid | 8021B | 49653 |
| MB 880-49656/5-A | Method Blank | Total/NA | Solid | 8021B | 49656 |
| LCS 880-49656/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 49656 |
| LCSD 880-49656/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 49656 |
| 880-26417-A-1-F MS | Matrix Spike | Total/NA | Solid | 8021B | 49656 |
| 880-26417-A-1-G MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 49656 |

# QC Association Summary

Client: Talon/LPE
Project/Site: Chevron 12 Fed #3

Job ID: 890-4376-1
SDG: 702520.053.01

## GC VOA

### Analysis Batch: 49967

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4376-1 | S-1 | Total/NA | Solid | Total BTEX | |
| 890-4376-2 | S-1 | Total/NA | Solid | Total BTEX | |
| 890-4376-3 | S-1 | Total/NA | Solid | Total BTEX | |
| 890-4376-4 | S-2 | Total/NA | Solid | Total BTEX | |
| 890-4376-5 | S-2 | Total/NA | Solid | Total BTEX | |
| 890-4376-6 | S-2 | Total/NA | Solid | Total BTEX | |
| 890-4376-7 | S-3 | Total/NA | Solid | Total BTEX | |
| 890-4376-8 | S-3 | Total/NA | Solid | Total BTEX | |
| 890-4376-9 | S-3 | Total/NA | Solid | Total BTEX | |
| 890-4376-10 | S-4 | Total/NA | Solid | Total BTEX | |
| 890-4376-11 | S-4 | Total/NA | Solid | Total BTEX | |
| 890-4376-12 | S-4 | Total/NA | Solid | Total BTEX | |
| 890-4376-13 | S-5 | Total/NA | Solid | Total BTEX | |
| 890-4376-14 | S-5 | Total/NA | Solid | Total BTEX | |
| 890-4376-15 | S-5 | Total/NA | Solid | Total BTEX | |

## GC Semi VOA

### Analysis Batch: 49358

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4376-1 | S-1 | Total/NA | Solid | 8015B NM | 49368 |
| 890-4376-2 | S-1 | Total/NA | Solid | 8015B NM | 49368 |
| 890-4376-3 | S-1 | Total/NA | Solid | 8015B NM | 49368 |
| 890-4376-4 | S-2 | Total/NA | Solid | 8015B NM | 49368 |
| 890-4376-5 | S-2 | Total/NA | Solid | 8015B NM | 49368 |
| 890-4376-6 | S-2 | Total/NA | Solid | 8015B NM | 49368 |
| 890-4376-7 | S-3 | Total/NA | Solid | 8015B NM | 49368 |
| 890-4376-8 | S-3 | Total/NA | Solid | 8015B NM | 49368 |
| 890-4376-9 | S-3 | Total/NA | Solid | 8015B NM | 49368 |
| 890-4376-10 | S-4 | Total/NA | Solid | 8015B NM | 49368 |
| 890-4376-11 | S-4 | Total/NA | Solid | 8015B NM | 49368 |
| 890-4376-12 | S-4 | Total/NA | Solid | 8015B NM | 49368 |
| 890-4376-13 | S-5 | Total/NA | Solid | 8015B NM | 49368 |
| 890-4376-14 | S-5 | Total/NA | Solid | 8015B NM | 49368 |
| 890-4376-15 | S-5 | Total/NA | Solid | 8015B NM | 49368 |
| MB 880-49368/1-A | Method Blank | Total/NA | Solid | 8015B NM | 49368 |
| LCS 880-49368/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 49368 |
| LCSD 880-49368/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 49368 |
| 890-4376-1 MS | S-1 | Total/NA | Solid | 8015B NM | 49368 |
| 890-4376-1 MSD | S-1 | Total/NA | Solid | 8015B NM | 49368 |

### Prep Batch: 49368

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4376-1 | S-1 | Total/NA | Solid | 8015NM Prep | |
| 890-4376-2 | S-1 | Total/NA | Solid | 8015NM Prep | |
| 890-4376-3 | S-1 | Total/NA | Solid | 8015NM Prep | |
| 890-4376-4 | S-2 | Total/NA | Solid | 8015NM Prep | |
| 890-4376-5 | S-2 | Total/NA | Solid | 8015NM Prep | |
| 890-4376-6 | S-2 | Total/NA | Solid | 8015NM Prep | |
| 890-4376-7 | S-3 | Total/NA | Solid | 8015NM Prep | |
| 890-4376-8 | S-3 | Total/NA | Solid | 8015NM Prep | |

# QC Association Summary

Client: Talon/LPE
Project/Site: Chevron 12 Fed #3

Job ID: 890-4376-1
SDG: 702520.053.01

## GC Semi VOA (Continued)

### Prep Batch: 49368 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4376-9 | S-3 | Total/NA | Solid | 8015NM Prep | |
| 890-4376-10 | S-4 | Total/NA | Solid | 8015NM Prep | |
| 890-4376-11 | S-4 | Total/NA | Solid | 8015NM Prep | |
| 890-4376-12 | S-4 | Total/NA | Solid | 8015NM Prep | |
| 890-4376-13 | S-5 | Total/NA | Solid | 8015NM Prep | |
| 890-4376-14 | S-5 | Total/NA | Solid | 8015NM Prep | |
| 890-4376-15 | S-5 | Total/NA | Solid | 8015NM Prep | |
| MB 880-49368/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-49368/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-49368/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 890-4376-1 MS | S-1 | Total/NA | Solid | 8015NM Prep | |
| 890-4376-1 MSD | S-1 | Total/NA | Solid | 8015NM Prep | |

### Analysis Batch: 49615

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4376-1 | S-1 | Total/NA | Solid | 8015 NM | |
| 890-4376-2 | S-1 | Total/NA | Solid | 8015 NM | |
| 890-4376-3 | S-1 | Total/NA | Solid | 8015 NM | |
| 890-4376-4 | S-2 | Total/NA | Solid | 8015 NM | |
| 890-4376-5 | S-2 | Total/NA | Solid | 8015 NM | |
| 890-4376-6 | S-2 | Total/NA | Solid | 8015 NM | |
| 890-4376-7 | S-3 | Total/NA | Solid | 8015 NM | |
| 890-4376-8 | S-3 | Total/NA | Solid | 8015 NM | |
| 890-4376-9 | S-3 | Total/NA | Solid | 8015 NM | |
| 890-4376-10 | S-4 | Total/NA | Solid | 8015 NM | |
| 890-4376-11 | S-4 | Total/NA | Solid | 8015 NM | |
| 890-4376-12 | S-4 | Total/NA | Solid | 8015 NM | |
| 890-4376-13 | S-5 | Total/NA | Solid | 8015 NM | |
| 890-4376-14 | S-5 | Total/NA | Solid | 8015 NM | |
| 890-4376-15 | S-5 | Total/NA | Solid | 8015 NM | |

## HPLC/IC

### Leach Batch: 49277

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4376-1 | S-1 | Soluble | Solid | DI Leach | |
| 890-4376-2 | S-1 | Soluble | Solid | DI Leach | |
| 890-4376-3 | S-1 | Soluble | Solid | DI Leach | |
| 890-4376-4 | S-2 | Soluble | Solid | DI Leach | |
| 890-4376-5 | S-2 | Soluble | Solid | DI Leach | |
| 890-4376-6 | S-2 | Soluble | Solid | DI Leach | |
| MB 880-49277/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-49277/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-49277/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 880-26161-A-11-B MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 880-26161-A-11-C MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |

### Leach Batch: 49278

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4376-7 | S-3 | Soluble | Solid | DI Leach | |
| 890-4376-8 | S-3 | Soluble | Solid | DI Leach | |

# QC Association Summary

Client: Talon/LPE
Project/Site: Chevron 12 Fed #3

Job ID: 890-4376-1
SDG: 702520.053.01

## HPLC/IC (Continued)

### Leach Batch: 49278 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4376-9 | S-3 | Soluble | Solid | DI Leach | |
| 890-4376-10 | S-4 | Soluble | Solid | DI Leach | |
| 890-4376-11 | S-4 | Soluble | Solid | DI Leach | |
| 890-4376-12 | S-4 | Soluble | Solid | DI Leach | |
| 890-4376-13 | S-5 | Soluble | Solid | DI Leach | |
| 890-4376-14 | S-5 | Soluble | Solid | DI Leach | |
| 890-4376-15 | S-5 | Soluble | Solid | DI Leach | |
| MB 880-49278/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-49278/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-49278/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 890-4376-9 MS | S-3 | Soluble | Solid | DI Leach | |
| 890-4376-9 MSD | S-3 | Soluble | Solid | DI Leach | |

### Analysis Batch: 49446

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4376-7 | S-3 | Soluble | Solid | 300.0 | 49278 |
| 890-4376-8 | S-3 | Soluble | Solid | 300.0 | 49278 |
| 890-4376-9 | S-3 | Soluble | Solid | 300.0 | 49278 |
| 890-4376-10 | S-4 | Soluble | Solid | 300.0 | 49278 |
| 890-4376-11 | S-4 | Soluble | Solid | 300.0 | 49278 |
| 890-4376-12 | S-4 | Soluble | Solid | 300.0 | 49278 |
| 890-4376-13 | S-5 | Soluble | Solid | 300.0 | 49278 |
| 890-4376-14 | S-5 | Soluble | Solid | 300.0 | 49278 |
| 890-4376-15 | S-5 | Soluble | Solid | 300.0 | 49278 |
| MB 880-49278/1-A | Method Blank | Soluble | Solid | 300.0 | 49278 |
| LCS 880-49278/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 49278 |
| LCSD 880-49278/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 49278 |
| 890-4376-9 MS | S-3 | Soluble | Solid | 300.0 | 49278 |
| 890-4376-9 MSD | S-3 | Soluble | Solid | 300.0 | 49278 |

### Analysis Batch: 49450

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-4376-1 | S-1 | Soluble | Solid | 300.0 | 49277 |
| 890-4376-2 | S-1 | Soluble | Solid | 300.0 | 49277 |
| 890-4376-3 | S-1 | Soluble | Solid | 300.0 | 49277 |
| 890-4376-4 | S-2 | Soluble | Solid | 300.0 | 49277 |
| 890-4376-5 | S-2 | Soluble | Solid | 300.0 | 49277 |
| 890-4376-6 | S-2 | Soluble | Solid | 300.0 | 49277 |
| MB 880-49277/1-A | Method Blank | Soluble | Solid | 300.0 | 49277 |
| LCS 880-49277/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 49277 |
| LCSD 880-49277/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 49277 |
| 880-26161-A-11-B MS | Matrix Spike | Soluble | Solid | 300.0 | 49277 |
| 880-26161-A-11-C MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 49277 |

# Lab Chronicle

Client: Talon/LPE
Project/Site: Chevron 12 Fed #3

Job ID: 890-4376-1
SDG: 702520.053.01

## Client Sample ID: S-1
**Date Collected: 03/21/23 08:52**
**Date Received: 03/21/23 12:01**

## Lab Sample ID: 890-4376-1
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.95 g | 5 mL | 49656 | 03/28/23 15:50 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49792 | 03/30/23 03:13 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49967 | 03/30/23 13:32 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49615 | 03/27/23 11:15 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 49368 | 03/24/23 08:47 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 49358 | 03/24/23 21:51 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 49277 | 03/22/23 22:28 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49450 | 03/24/23 07:34 | SMC | EET MID |

## Client Sample ID: S-1
**Date Collected: 03/21/23 08:57**
**Date Received: 03/21/23 12:01**

## Lab Sample ID: 890-4376-2
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.05 g | 5 mL | 49656 | 03/28/23 15:50 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49792 | 03/30/23 03:33 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49967 | 03/30/23 13:32 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49615 | 03/27/23 11:15 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 49368 | 03/24/23 08:47 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 49358 | 03/24/23 22:57 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 49277 | 03/22/23 22:28 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49450 | 03/24/23 07:39 | SMC | EET MID |

## Client Sample ID: S-1
**Date Collected: 03/21/23 09:02**
**Date Received: 03/21/23 12:01**

## Lab Sample ID: 890-4376-3
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 49656 | 03/28/23 15:50 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49792 | 03/30/23 03:54 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49967 | 03/30/23 13:32 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49615 | 03/27/23 11:15 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 49368 | 03/24/23 08:47 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 49358 | 03/24/23 23:20 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 49277 | 03/22/23 22:28 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49450 | 03/24/23 07:44 | SMC | EET MID |

## Client Sample ID: S-2
**Date Collected: 03/21/23 09:08**
**Date Received: 03/21/23 12:01**

## Lab Sample ID: 890-4376-4
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 49656 | 03/28/23 15:50 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49792 | 03/30/23 04:14 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49967 | 03/30/23 13:32 | SM | EET MID |

# Lab Chronicle

Client: Talon/LPE
Project/Site: Chevron 12 Fed #3

Job ID: 890-4376-1
SDG: 702520.053.01

## Client Sample ID: S-2
**Date Collected: 03/21/23 09:08**
**Date Received: 03/21/23 12:01**

## Lab Sample ID: 890-4376-4
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8015 NM | | 1 | | | 49615 | 03/27/23 11:15 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 49368 | 03/24/23 08:47 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 49358 | 03/24/23 23:43 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 4.95 g | 50 mL | 49277 | 03/22/23 22:28 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49450 | 03/24/23 07:48 | SMC | EET MID |

## Client Sample ID: S-2
**Date Collected: 03/21/23 09:13**
**Date Received: 03/21/23 12:01**

## Lab Sample ID: 890-4376-5
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 49656 | 03/28/23 15:50 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49792 | 03/30/23 04:35 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49967 | 03/30/23 13:32 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49615 | 03/27/23 11:15 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 49368 | 03/24/23 08:47 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 49358 | 03/25/23 00:05 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 4.98 g | 50 mL | 49277 | 03/22/23 22:28 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49450 | 03/24/23 07:53 | SMC | EET MID |

## Client Sample ID: S-2
**Date Collected: 03/21/23 09:17**
**Date Received: 03/21/23 12:01**

## Lab Sample ID: 890-4376-6
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.96 g | 5 mL | 49656 | 03/28/23 15:50 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49792 | 03/30/23 06:24 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49967 | 03/30/23 13:32 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49615 | 03/27/23 11:15 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 49368 | 03/24/23 08:47 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 49358 | 03/25/23 00:27 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 49277 | 03/22/23 22:28 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49450 | 03/24/23 07:58 | SMC | EET MID |

## Client Sample ID: S-3
**Date Collected: 03/21/23 09:22**
**Date Received: 03/21/23 12:01**

## Lab Sample ID: 890-4376-7
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 49656 | 03/28/23 15:50 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49792 | 03/30/23 06:45 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49967 | 03/30/23 13:32 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49615 | 03/27/23 11:15 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 49368 | 03/24/23 08:47 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 49358 | 03/25/23 00:50 | SM | EET MID |

Eurofins Carlsbad

# Lab Chronicle

Client: Talon/LPE
Project/Site: Chevron 12 Fed #3

Job ID: 890-4376-1
SDG: 702520.053.01

## Client Sample ID: S-3
**Date Collected: 03/21/23 09:22**
**Date Received: 03/21/23 12:01**

**Lab Sample ID: 890-4376-7**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 49278 | 03/22/23 22:29 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49446 | 03/24/23 01:17 | SMC | EET MID |

## Client Sample ID: S-3
**Date Collected: 03/21/23 09:29**
**Date Received: 03/21/23 12:01**

**Lab Sample ID: 890-4376-8**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.05 g | 5 mL | 49656 | 03/28/23 15:50 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49792 | 03/30/23 07:05 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49967 | 03/30/23 13:32 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49615 | 03/27/23 11:15 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 49368 | 03/24/23 08:47 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 49358 | 03/25/23 01:13 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 49278 | 03/22/23 22:29 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49446 | 03/24/23 01:22 | SMC | EET MID |

## Client Sample ID: S-3
**Date Collected: 03/21/23 09:31**
**Date Received: 03/21/23 12:01**

**Lab Sample ID: 890-4376-9**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 49656 | 03/28/23 15:50 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49792 | 03/30/23 07:26 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49967 | 03/30/23 13:32 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49615 | 03/27/23 11:15 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 49368 | 03/24/23 08:47 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 49358 | 03/25/23 01:36 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 4.99 g | 50 mL | 49278 | 03/22/23 22:29 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49446 | 03/24/23 01:27 | SMC | EET MID |

## Client Sample ID: S-4
**Date Collected: 03/21/23 09:36**
**Date Received: 03/21/23 12:01**

**Lab Sample ID: 890-4376-10**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 49656 | 03/28/23 15:50 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49792 | 03/30/23 07:46 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49967 | 03/30/23 13:32 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49615 | 03/27/23 11:15 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 49368 | 03/24/23 08:47 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 49358 | 03/25/23 01:59 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 49278 | 03/22/23 22:29 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49446 | 03/24/23 01:41 | SMC | EET MID |

# Lab Chronicle

Client: Talon/LPE
Project/Site: Chevron 12 Fed #3

Job ID: 890-4376-1
SDG: 702520.053.01

## Client Sample ID: S-4
**Date Collected: 03/21/23 09:16**
**Date Received: 03/21/23 12:01**

## Lab Sample ID: 890-4376-11
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.97 g | 5 mL | 49656 | 03/28/23 15:50 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49792 | 03/30/23 08:07 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49967 | 03/30/23 13:32 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49615 | 03/27/23 11:15 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 49368 | 03/24/23 08:47 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 49358 | 03/25/23 02:43 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 4.96 g | 50 mL | 49278 | 03/22/23 22:29 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49446 | 03/24/23 01:46 | SMC | EET MID |

## Client Sample ID: S-4
**Date Collected: 03/21/23 09:19**
**Date Received: 03/21/23 12:01**

## Lab Sample ID: 890-4376-12
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.99 g | 5 mL | 49656 | 03/28/23 15:50 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49792 | 03/30/23 08:27 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49967 | 03/30/23 13:32 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49615 | 03/27/23 11:15 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 49368 | 03/24/23 08:47 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 49358 | 03/25/23 03:05 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 4.98 g | 50 mL | 49278 | 03/22/23 22:29 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49446 | 03/24/23 02:01 | SMC | EET MID |

## Client Sample ID: S-5
**Date Collected: 03/21/23 09:22**
**Date Received: 03/21/23 12:01**

## Lab Sample ID: 890-4376-13
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.05 g | 5 mL | 49656 | 03/28/23 15:50 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49792 | 03/30/23 08:47 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49967 | 03/30/23 13:32 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49615 | 03/27/23 11:15 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 49368 | 03/24/23 08:47 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 49358 | 03/25/23 03:26 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 49278 | 03/22/23 22:29 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49446 | 03/24/23 02:05 | SMC | EET MID |

## Client Sample ID: S-5
**Date Collected: 03/21/23 09:25**
**Date Received: 03/21/23 12:01**

## Lab Sample ID: 890-4376-14
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 49656 | 03/28/23 15:50 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49792 | 03/30/23 09:08 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49967 | 03/30/23 13:32 | SM | EET MID |

# Lab Chronicle

Client: Talon/LPE
Project/Site: Chevron 12 Fed #3

Job ID: 890-4376-1
SDG: 702520.053.01

## Client Sample ID: S-5
**Date Collected: 03/21/23 09:25**
**Date Received: 03/21/23 12:01**

## Lab Sample ID: 890-4376-14
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8015 NM | | 1 | | | 49615 | 03/27/23 11:15 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 49368 | 03/24/23 08:47 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 49358 | 03/25/23 03:48 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 4.99 g | 50 mL | 49278 | 03/22/23 22:29 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49446 | 03/24/23 02:10 | SMC | EET MID |

## Client Sample ID: S-5
**Date Collected: 03/21/23 09:29**
**Date Received: 03/21/23 12:01**

## Lab Sample ID: 890-4376-15
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 49656 | 03/28/23 15:50 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 49792 | 03/30/23 09:28 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 49967 | 03/30/23 13:32 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 49615 | 03/27/23 11:15 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 49368 | 03/24/23 08:47 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 49358 | 03/25/23 04:10 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 49278 | 03/22/23 22:29 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 49446 | 03/24/23 02:15 | SMC | EET MID |

**Laboratory References:**

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

# Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: Chevron 12 Fed #3

Job ID: 890-4376-1
SDG: 702520.053.01

## 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: Talon/LPE
Project/Site: Chevron 12 Fed #3

Job ID: 890-4376-1
SDG: 702520.053.01

| 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 |
| 5035 | Closed System 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: Talon/LPE
Project/Site: Chevron 12 Fed #3

Job ID: 890-4376-1
SDG: 702520.053.01

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---|---|---|---|---|---|
| 890-4376-1 | S-1 | Solid | 03/21/23 08:52 | 03/21/23 12:01 | 1 |
| 890-4376-2 | S-1 | Solid | 03/21/23 08:57 | 03/21/23 12:01 | 3 |
| 890-4376-3 | S-1 | Solid | 03/21/23 09:02 | 03/21/23 12:01 | 4 |
| 890-4376-4 | S-2 | Solid | 03/21/23 09:08 | 03/21/23 12:01 | 1 |
| 890-4376-5 | S-2 | Solid | 03/21/23 09:13 | 03/21/23 12:01 | 3 |
| 890-4376-6 | S-2 | Solid | 03/21/23 09:17 | 03/21/23 12:01 | 4 |
| 890-4376-7 | S-3 | Solid | 03/21/23 09:22 | 03/21/23 12:01 | 1 |
| 890-4376-8 | S-3 | Solid | 03/21/23 09:29 | 03/21/23 12:01 | 3 |
| 890-4376-9 | S-3 | Solid | 03/21/23 09:31 | 03/21/23 12:01 | 4 |
| 890-4376-10 | S-4 | Solid | 03/21/23 09:36 | 03/21/23 12:01 | 1 |
| 890-4376-11 | S-4 | Solid | 03/21/23 09:16 | 03/21/23 12:01 | 3 |
| 890-4376-12 | S-4 | Solid | 03/21/23 09:19 | 03/21/23 12:01 | 4 |
| 890-4376-13 | S-5 | Solid | 03/21/23 09:22 | 03/21/23 12:01 | 1 |
| 890-4376-14 | S-5 | Solid | 03/21/23 09:25 | 03/21/23 12:01 | 3 |
| 890-4376-15 | S-5 | Solid | 03/21/23 09:29 | 03/21/23 12:01 | 4 |

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# Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 1 of 2

| | | | |
|---|---|---|---|
| Project Manager: | Chad Hensley | Bill to: (if different) | |
| Company Name: | Talon LPE | Company Name: | |
| Address: | 408 W. Texas Ave. | Address: | |
| City, State ZIP: | Artesia, NM 88210 | City, State ZIP: | |
| Phone: | 575.746.8768 | Email: | Chensley@talonlpe.com |

**Work Order Comments**

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Chevron 12 Fed #3 | Turn Around | ☐Routine ☑Rush |
| Project Number: | 702520.053.01 | Due Date: | 3Day 3/24/2023 |
| Project Location: | Eddy County, NM | TAT starts the day received by the lab, if received by 4:30pm | |
| Sampler's Name: | Chad Hensley | | |
| PO #: | N/A | | |

| SAMPLE RECEIPT | | | | |
|---|---|---|---|---|
| Temp Blank: | Yes (No) | Wet Ice: | Yes (No) | |
| Samples Received Intact: | (Yes) No | Thermometer ID: | TWM007 | |
| Cooler Custody Seals: | Yes No (N/A) | Correction Factor: | -0.2 | |
| Sample Custody Seals: | Yes No (N/A) | Temperature Reading: | 21.2 | |
| Total Containers: | | Corrected Temperature: | 21.0 | |

ANALYSIS REQUEST


**Preservative Codes**

None: NO DI Water: $H_2O$
Cool: Cool MeOH: Me
HCL: HC $HNO_3$: HN
$H_2SO_4$: $H_2$ NaOH: Na
$H_3PO_4$: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/ Comp | # of Cont | Pres. Code | Parameters: CL | BTEX | TPH | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| S-1 | Soil | 3/21/2023 | 8:52 | 1' | Grab/ | 1 | | x | X | X | |
| S-1 | Soil | 3/21/2023 | 8:57 | 3' | Grab/ | 1 | | x | X | X | |
| S-1 | Soil | 3/21/2023 | 9:02 | 4' | Grab/ | 1 | | x | X | X | |
| S-2 | Soil | 3/21/2023 | 9:08 | 1' | Grab/ | 1 | | x | X | X | |
| S-2 | Soil | 3/21/2023 | 9:13 | 3' | Grab/ | 1 | | x | X | X | |
| S-2 | Soil | 3/21/2023 | 9:17 | 4' | Grab/ | 1 | | x | X | X | |
| S-3 | Soil | 3/21/2023 | 9:22 | 1' | Grab/ | 1 | | x | X | X | |
| S-3 | Soil | 3/21/2023 | 9:29 | 3' | Grab/ | 1 | | x | X | X | |
| S-3 | Soil | 3/21/2023 | 9:31 | 4' | Grab/ | 1 | | x | X | X | |
| S-4 | Soil | 3/21/2023 | 9:36 | 1' | Grab/ | 1 | | x | X | X | |

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag $SiO_2$ Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|
| 1 | | 3.21.23 1201 | 2 | | |
| 3 | | | 4 | | |
| 5 | | | 6 | | |

Revised Date: 08/25/2020 Rev. 2020.2

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# Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 2 of 2

| | | | |
|---|---|---|---|
| Project Manager: | Chad Hensley | Bill to: (if different) | |
| Company Name: | Talon LPE | Company Name: | |
| Address: | 408 W. Texas Ave. | Address: | |
| City, State ZIP: | Artesia, NM 88210 | City, State ZIP: | |
| Phone: | 575.746.8768 | Email: | Chensley@talonlpe.com |

**Work Order Comments**

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Chevron 12 Fed #3 | Turn Around | |
| Project Number: | 702520.053.01 | ☐ Routine ☑ Rush 3 Day | |
| Project Location: | Eddy County, NM | Due Date: | 3/24/2023 |
| Sampler's Name: | Chad Hensley | TAT starts the day received by the lab, if received by 4:30pm | |
| PO #: | N/A | | |

| SAMPLE RECEIPT | Temp Blank: | Yes No | Wet Ice: | Yes No |
|---|---|---|---|---|
| Samples Received Intact: | Yes No | | Thermometer ID: | |
| Cooler Custody Seals: | Yes No N/A | | Correction Factor: | |
| Sample Custody Seals: | Yes No N/A | | Temperature Reading: | |
| Total Containers: | | | Corrected Temperature: | |

**Preservative Codes**

None: NO; DI Water: $H_2O$; Cool: Cool; MeOH: Me; HCL: HC; $HNO_3$: HN; $H_2S0_4$: $H_2$; NaOH: Na; $H_3PO_4$: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/ Comp | # of Cont | Pres. Code | Parameters: CL | BTEX | TPH | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| S-4 | Soil | 3/21/2023 | 9:16 | 3' | Grab/ | 1 | | x | X | X | |
| S-4 | Soil | 3/21/2023 | 9:19 | 4' | Grab/ | 1 | | x | X | X | |
| S-5 | Soil | 3/21/2023 | 9:22 | 1' | Grab/ | 1 | | x | X | X | |
| S-5 | Soil | 3/21/2023 | 9:25 | 3' | Grab/ | 1 | | x | X | X | |
| S-5 | Soil | 3/21/2023 | 9:29 | 4' | Grab/ | 1 | | x | X | X | |

**Total 200.7 / 6010 200.8 / 6020:** 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag $SiO_2$ Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471



| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|
| 1 | | 3-21-23 120 | 2 | | |
| 3 | | | 4 | | |
| 5 | | | 6 | | |

Revised Date: 08/25/2020 Rev. 2020.2

# Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-4376-1
SDG Number: 702520.053.01

**Login Number: 4376**
**List Number: 1**
**Creator: Clifton, Cloe**

**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. | N/A | Refer to Job Narrative for details. |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |

# Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-4376-1
SDG Number: 702520.053.01

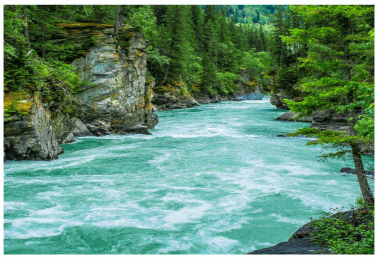
**Login Number: 4376**
**List Number: 2**
**Creator: Rodriguez, Leticia**

**List Source: Eurofins Midland**
**List Creation: 03/22/23 11:06 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 | |

Report to:

Chad Hensley



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

# envirotech

***Practical Solutions for a Better Tomorrow***

## Analytical Report

Matador Resources, LLC.

| | |
|---|---|
| Project Name: | Chevron 12 Fed 3 |
| Work Order: | E403039 |
| Job Number: | 23042-0001 |
| Received: | 3/5/2024 |

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/8/24

Date Reported: 3/8/24

Chad Hensley
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Chevron 12 Fed 3
Workorder: E403039
Date Received: 3/5/2024 7:00:00AM

Chad Hensley,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/5/2024 7:00:00AM, under the Project Name: Chevron 12 Fed 3.

The analytical test results summarized in this report with the Project Name: Chevron 12 Fed 3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

**Raina Schwanz**
Laboratory Administrator
Office: 505-632-1881
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**Alexa Michaels**
Sample Custody Officer
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# Table of Contents

# Sample Summary

| | | | |
|---|---|---|---|
| Matador Resources, LLC. | Project Name: | Chevron 12 Fed 3 | **Reported:** |
| 5400 LBJ Freeway, Suite 1500 | Project Number: | 23042-0001 | |
| Dallas TX, 75240 | Project Manager: | Chad Hensley | 03/08/24 14:21 |

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|---|---|---|---|---|---|
| C-1 16' | E403039-01A | Soil | 02/26/24 | 03/05/24 | Glass Jar, 2 oz. |
| C-2 16' | E403039-02A | Soil | 02/26/24 | 03/05/24 | Glass Jar, 2 oz. |
| C-3 16' | E403039-03A | Soil | 02/26/24 | 03/05/24 | Glass Jar, 2 oz. |
| SW- 1 | E403039-04A | Soil | 02/26/24 | 03/05/24 | Glass Jar, 2 oz. |
| SW- 2 | E403039-05A | Soil | 02/26/24 | 03/05/24 | Glass Jar, 2 oz. |
| SW- 3 | E403039-06A | Soil | 02/26/24 | 03/05/24 | Glass Jar, 2 oz. |
| SW- 4 | E403039-07A | Soil | 02/26/24 | 03/05/24 | Glass Jar, 2 oz. |
| SW- 5 | E403039-08A | Soil | 02/26/24 | 03/05/24 | Glass Jar, 2 oz. |
| SW- 6 | E403039-09A | Soil | 02/26/24 | 03/05/24 | Glass Jar, 2 oz. |
| SW- 7 | E403039-10A | Soil | 02/26/24 | 03/05/24 | Glass Jar, 2 oz. |
| SW- 8 | E403039-11A | Soil | 02/26/24 | 03/05/24 | Glass Jar, 2 oz. |
| SW- 9 | E403039-12A | Soil | 02/26/24 | 03/05/24 | Glass Jar, 2 oz. |

# Sample Data

| | | | |
|---|---|---|---|
| Matador Resources, LLC. | Project Name: | Chevron 12 Fed 3 | |
| 5400 LBJ Freeway, Suite 1500 | Project Number: | 23042-0001 | **Reported:** |
| Dallas TX, 75240 | Project Manager: | Chad Hensley | 3/8/2024 2:21:52PM |

## C-1 16'

**E403039-01**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2410049 |
| Benzene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| Ethylbenzene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| Toluene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| o-Xylene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| p,m-Xylene | ND | 0.0500 | 1 | 03/05/24 | 03/08/24 | |
| Total Xylenes | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *92.4 %* | *70-130* | *03/05/24* | *03/08/24* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2410049 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 03/05/24 | 03/08/24 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *94.7 %* | *70-130* | *03/05/24* | *03/08/24* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: KM | | | Batch: 2410067 |
| Diesel Range Organics (C10-C28) | **25.2** | 25.0 | 1 | 03/06/24 | 03/07/24 | |
| Oil Range Organics (C28-C36) | **51.0** | 50.0 | 1 | 03/06/24 | 03/07/24 | |
| *Surrogate: n-Nonane* | | *90.6 %* | *50-200* | *03/06/24* | *03/07/24* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: WF | | | Batch: 2410057 |
| Chloride | **100** | 20.0 | 1 | 03/05/24 | 03/06/24 | |

# Sample Data

| | | | |
|---|---|---|---|
| Matador Resources, LLC. | Project Name: | Chevron 12 Fed 3 | |
| 5400 LBJ Freeway, Suite 1500 | Project Number: | 23042-0001 | **Reported:** |
| Dallas TX, 75240 | Project Manager: | Chad Hensley | 3/8/2024 2:21:52PM |

## C-2 16'

**E403039-02**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2410049 |
| Benzene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| Ethylbenzene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| Toluene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| o-Xylene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| p,m-Xylene | ND | 0.0500 | 1 | 03/05/24 | 03/08/24 | |
| Total Xylenes | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *92.6 %* | *70-130* | *03/05/24* | *03/08/24* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2410049 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 03/05/24 | 03/08/24 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *94.7 %* | *70-130* | *03/05/24* | *03/08/24* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: KM | | | Batch: 2410067 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 03/06/24 | 03/07/24 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 03/06/24 | 03/07/24 | |
| *Surrogate: n-Nonane* | | *90.2 %* | *50-200* | *03/06/24* | *03/07/24* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: WF | | | Batch: 2410057 |
| Chloride | **100** | 20.0 | 1 | 03/05/24 | 03/06/24 | |

# Sample Data

| | | | |
|---|---|---|---|
| Matador Resources, LLC. | Project Name: | Chevron 12 Fed 3 | |
| 5400 LBJ Freeway, Suite 1500 | Project Number: | 23042-0001 | **Reported:** |
| Dallas TX, 75240 | Project Manager: | Chad Hensley | 3/8/2024 2:21:52PM |

## C-3 16'

**E403039-03**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2410049 |
| Benzene | ND | 0.0250 | 1 | 03/05/24 | 03/07/24 | |
| Ethylbenzene | ND | 0.0250 | 1 | 03/05/24 | 03/07/24 | |
| Toluene | ND | 0.0250 | 1 | 03/05/24 | 03/07/24 | |
| o-Xylene | ND | 0.0250 | 1 | 03/05/24 | 03/07/24 | |
| p,m-Xylene | ND | 0.0500 | 1 | 03/05/24 | 03/07/24 | |
| Total Xylenes | ND | 0.0250 | 1 | 03/05/24 | 03/07/24 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *94.0 %* | *70-130* | *03/05/24* | *03/07/24* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2410049 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 03/05/24 | 03/07/24 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *95.8 %* | *70-130* | *03/05/24* | *03/07/24* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: KM | | | Batch: 2410067 |
| Diesel Range Organics (C10-C28) | **25.2** | 25.0 | 1 | 03/06/24 | 03/07/24 | |
| Oil Range Organics (C28-C36) | **53.8** | 50.0 | 1 | 03/06/24 | 03/07/24 | |
| *Surrogate: n-Nonane* | | *90.1 %* | *50-200* | *03/06/24* | *03/07/24* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: WF | | | Batch: 2410057 |
| Chloride | **96.7** | 20.0 | 1 | 03/05/24 | 03/06/24 | |

# Sample Data

| | | | |
|---|---|---|---|
| Matador Resources, LLC. | Project Name: | Chevron 12 Fed 3 | |
| 5400 LBJ Freeway, Suite 1500 | Project Number: | 23042-0001 | **Reported:** |
| Dallas TX, 75240 | Project Manager: | Chad Hensley | 3/8/2024 2:21:52PM |

**SW- 1**

**E403039-04**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2410049 |
| Benzene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| Ethylbenzene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| Toluene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| o-Xylene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| p,m-Xylene | ND | 0.0500 | 1 | 03/05/24 | 03/08/24 | |
| Total Xylenes | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *92.1 %* | *70-130* | *03/05/24* | *03/08/24* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2410049 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 03/05/24 | 03/08/24 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *94.5 %* | *70-130* | *03/05/24* | *03/08/24* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: KM | | | Batch: 2410067 |
| Diesel Range Organics (C10-C28) | **27.4** | 25.0 | 1 | 03/06/24 | 03/07/24 | |
| Oil Range Organics (C28-C36) | **55.9** | 50.0 | 1 | 03/06/24 | 03/07/24 | |
| *Surrogate: n-Nonane* | | *91.3 %* | *50-200* | *03/06/24* | *03/07/24* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: WF | | | Batch: 2410057 |
| Chloride | **101** | 20.0 | 1 | 03/05/24 | 03/06/24 | |

# Sample Data

| | | | |
|---|---|---|---|
| Matador Resources, LLC. | Project Name: | Chevron 12 Fed 3 | |
| 5400 LBJ Freeway, Suite 1500 | Project Number: | 23042-0001 | **Reported:** |
| Dallas TX, 75240 | Project Manager: | Chad Hensley | 3/8/2024 2:21:52PM |

**SW- 2**

**E403039-05**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2410049 |
| Benzene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| Ethylbenzene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| Toluene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| o-Xylene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| p,m-Xylene | ND | 0.0500 | 1 | 03/05/24 | 03/08/24 | |
| Total Xylenes | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *96.8 %* | *70-130* | *03/05/24* | *03/08/24* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2410049 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 03/05/24 | 03/08/24 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *95.1 %* | *70-130* | *03/05/24* | *03/08/24* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: KM | | | Batch: 2410067 |
| Diesel Range Organics (C10-C28) | **29.4** | 25.0 | 1 | 03/06/24 | 03/07/24 | |
| Oil Range Organics (C28-C36) | **50.1** | 50.0 | 1 | 03/06/24 | 03/07/24 | |
| *Surrogate: n-Nonane* | | *90.0 %* | *50-200* | *03/06/24* | *03/07/24* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: WF | | | Batch: 2410057 |
| Chloride | **114** | 20.0 | 1 | 03/05/24 | 03/06/24 | |

# Sample Data

| | | | |
|---|---|---|---|
| Matador Resources, LLC. | Project Name: | Chevron 12 Fed 3 | |
| 5400 LBJ Freeway, Suite 1500 | Project Number: | 23042-0001 | **Reported:** |
| Dallas TX, 75240 | Project Manager: | Chad Hensley | 3/8/2024 2:21:52PM |

**SW- 3**

**E403039-06**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2410049 |
| Benzene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| Ethylbenzene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| Toluene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| o-Xylene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| p,m-Xylene | ND | 0.0500 | 1 | 03/05/24 | 03/08/24 | |
| Total Xylenes | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *91.5 %* | *70-130* | *03/05/24* | *03/08/24* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2410049 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 03/05/24 | 03/08/24 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *95.1 %* | *70-130* | *03/05/24* | *03/08/24* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: KM | | | Batch: 2410067 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 03/06/24 | 03/07/24 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 03/06/24 | 03/07/24 | |
| *Surrogate: n-Nonane* | | *86.6 %* | *50-200* | *03/06/24* | *03/07/24* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: WF | | | Batch: 2410057 |
| Chloride | **101** | 20.0 | 1 | 03/05/24 | 03/06/24 | |

# Sample Data

| | | | |
|---|---|---|---|
| Matador Resources, LLC. | Project Name: | Chevron 12 Fed 3 | |
| 5400 LBJ Freeway, Suite 1500 | Project Number: | 23042-0001 | **Reported:** |
| Dallas TX, 75240 | Project Manager: | Chad Hensley | 3/8/2024 2:21:52PM |

**SW- 4**

**E403039-07**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2410049 |
| Benzene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| Ethylbenzene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| Toluene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| o-Xylene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| p,m-Xylene | ND | 0.0500 | 1 | 03/05/24 | 03/08/24 | |
| Total Xylenes | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *91.3 %* | *70-130* | *03/05/24* | *03/08/24* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2410049 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 03/05/24 | 03/08/24 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *95.5 %* | *70-130* | *03/05/24* | *03/08/24* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: KM | | | Batch: 2410067 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 03/06/24 | 03/07/24 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 03/06/24 | 03/07/24 | |
| *Surrogate: n-Nonane* | | *87.9 %* | *50-200* | *03/06/24* | *03/07/24* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: WF | | | Batch: 2410057 |
| Chloride | **99.2** | 20.0 | 1 | 03/05/24 | 03/06/24 | |

# Sample Data

| | | | |
|---|---|---|---|
| Matador Resources, LLC. | Project Name: | Chevron 12 Fed 3 | |
| 5400 LBJ Freeway, Suite 1500 | Project Number: | 23042-0001 | **Reported:** |
| Dallas TX, 75240 | Project Manager: | Chad Hensley | 3/8/2024 2:21:52PM |

**SW- 5**

**E403039-08**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2410049 |
| Benzene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| Ethylbenzene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| Toluene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| o-Xylene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| p,m-Xylene | ND | 0.0500 | 1 | 03/05/24 | 03/08/24 | |
| Total Xylenes | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *91.4 %* | *70-130* | *03/05/24* | *03/08/24* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2410049 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 03/05/24 | 03/08/24 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *94.7 %* | *70-130* | *03/05/24* | *03/08/24* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: KM | | | Batch: 2410067 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 03/06/24 | 03/07/24 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 03/06/24 | 03/07/24 | |
| *Surrogate: n-Nonane* | | *89.6 %* | *50-200* | *03/06/24* | *03/07/24* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: WF | | | Batch: 2410057 |
| Chloride | **103** | 20.0 | 1 | 03/05/24 | 03/06/24 | |

# Sample Data

| | | | |
|---|---|---|---|
| Matador Resources, LLC. | Project Name: | Chevron 12 Fed 3 | |
| 5400 LBJ Freeway, Suite 1500 | Project Number: | 23042-0001 | **Reported:** |
| Dallas TX, 75240 | Project Manager: | Chad Hensley | 3/8/2024 2:21:52PM |

**SW- 6**

**E403039-09**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2410049 |
| Benzene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| Ethylbenzene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| Toluene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| o-Xylene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| p,m-Xylene | ND | 0.0500 | 1 | 03/05/24 | 03/08/24 | |
| Total Xylenes | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *91.4 %* | *70-130* | *03/05/24* | *03/08/24* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2410049 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 03/05/24 | 03/08/24 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *95.5 %* | *70-130* | *03/05/24* | *03/08/24* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: KM | | | Batch: 2410067 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 03/06/24 | 03/07/24 | |
| Oil Range Organics (C28-C36) | **51.5** | 50.0 | 1 | 03/06/24 | 03/07/24 | |
| *Surrogate: n-Nonane* | | *87.4 %* | *50-200* | *03/06/24* | *03/07/24* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: WF | | | Batch: 2410057 |
| Chloride | **103** | 20.0 | 1 | 03/05/24 | 03/06/24 | |

# Sample Data

| | | | |
|---|---|---|---|
| Matador Resources, LLC. | Project Name: | Chevron 12 Fed 3 | |
| 5400 LBJ Freeway, Suite 1500 | Project Number: | 23042-0001 | **Reported:** |
| Dallas TX, 75240 | Project Manager: | Chad Hensley | 3/8/2024 2:21:52PM |

**SW- 7**

**E403039-10**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2410049 |
| Benzene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| Ethylbenzene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| Toluene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| o-Xylene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| p,m-Xylene | ND | 0.0500 | 1 | 03/05/24 | 03/08/24 | |
| Total Xylenes | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *92.1 %* | *70-130* | *03/05/24* | *03/08/24* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2410049 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 03/05/24 | 03/08/24 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *96.1 %* | *70-130* | *03/05/24* | *03/08/24* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: KM | | | Batch: 2410067 |
| Diesel Range Organics (C10-C28) | **25.1** | 25.0 | 1 | 03/06/24 | 03/07/24 | |
| Oil Range Organics (C28-C36) | **53.5** | 50.0 | 1 | 03/06/24 | 03/07/24 | |
| *Surrogate: n-Nonane* | | *89.8 %* | *50-200* | *03/06/24* | *03/07/24* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: WF | | | Batch: 2410057 |
| Chloride | **99.1** | 20.0 | 1 | 03/05/24 | 03/06/24 | |

# Sample Data

| | | | |
|---|---|---|---|
| Matador Resources, LLC. | Project Name: | Chevron 12 Fed 3 | |
| 5400 LBJ Freeway, Suite 1500 | Project Number: | 23042-0001 | **Reported:** |
| Dallas TX, 75240 | Project Manager: | Chad Hensley | 3/8/2024 2:21:52PM |

**SW- 8**

**E403039-11**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2410049 |
| Benzene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| Ethylbenzene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| Toluene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| o-Xylene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| p,m-Xylene | ND | 0.0500 | 1 | 03/05/24 | 03/08/24 | |
| Total Xylenes | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *91.4 %* | *70-130* | *03/05/24* | *03/08/24* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2410049 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 03/05/24 | 03/08/24 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *95.1 %* | *70-130* | *03/05/24* | *03/08/24* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: KM | | | Batch: 2410067 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 03/06/24 | 03/07/24 | |
| Oil Range Organics (C28-C36) | **51.1** | 50.0 | 1 | 03/06/24 | 03/07/24 | |
| *Surrogate: n-Nonane* | | *91.7 %* | *50-200* | *03/06/24* | *03/07/24* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: WF | | | Batch: 2410057 |
| Chloride | **103** | 20.0 | 1 | 03/05/24 | 03/06/24 | |

# Sample Data

| | | | |
|---|---|---|---|
| Matador Resources, LLC. | Project Name: | Chevron 12 Fed 3 | |
| 5400 LBJ Freeway, Suite 1500 | Project Number: | 23042-0001 | **Reported:** |
| Dallas TX, 75240 | Project Manager: | Chad Hensley | 3/8/2024 2:21:52PM |

**SW- 9**

**E403039-12**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2410049 |
| Benzene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| Ethylbenzene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| Toluene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| o-Xylene | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| p,m-Xylene | ND | 0.0500 | 1 | 03/05/24 | 03/08/24 | |
| Total Xylenes | ND | 0.0250 | 1 | 03/05/24 | 03/08/24 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *91.6 %* | *70-130* | *03/05/24* | *03/08/24* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2410049 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 03/05/24 | 03/08/24 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *95.2 %* | *70-130* | *03/05/24* | *03/08/24* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: KM | | | Batch: 2410067 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 03/06/24 | 03/07/24 | |
| Oil Range Organics (C28-C36) | **52.5** | 50.0 | 1 | 03/06/24 | 03/07/24 | |
| *Surrogate: n-Nonane* | | *90.8 %* | *50-200* | *03/06/24* | *03/07/24* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: WF | | | Batch: 2410057 |
| Chloride | **103** | 20.0 | 1 | 03/05/24 | 03/06/24 | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Matador Resources, LLC. | Project Name: | Chevron 12 Fed 3 | **Reported:** |
| 5400 LBJ Freeway, Suite 1500 | Project Number: | 23042-0001 | |
| Dallas TX, 75240 | Project Manager: | Chad Hensley | 3/8/2024 2:21:52PM |

## Volatile Organics by EPA 8021B

Analyst: RKS

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2410049-BLK1)** | | | | | | | | | Prepared: 03/05/24 Analyzed: 03/07/24 |
| Benzene | ND | 0.0250 | | | | | | | |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| o-Xylene | ND | 0.0250 | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *7.54* | | *8.00* | | *94.3* | *70-130* | | | |
| **LCS (2410049-BS1)** | | | | | | | | | Prepared: 03/05/24 Analyzed: 03/07/24 |
| Benzene | 4.80 | 0.0250 | 5.00 | | 96.0 | 70-130 | | | |
| Ethylbenzene | 4.78 | 0.0250 | 5.00 | | 95.6 | 70-130 | | | |
| Toluene | 4.79 | 0.0250 | 5.00 | | 95.8 | 70-130 | | | |
| o-Xylene | 4.73 | 0.0250 | 5.00 | | 94.5 | 70-130 | | | |
| p,m-Xylene | 9.66 | 0.0500 | 10.0 | | 96.6 | 70-130 | | | |
| Total Xylenes | 14.4 | 0.0250 | 15.0 | | 95.9 | 70-130 | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *7.58* | | *8.00* | | *94.7* | *70-130* | | | |
| **Matrix Spike (2410049-MS1)** | | | | **Source: E403039-03** | | | | | Prepared: 03/05/24 Analyzed: 03/07/24 |
| Benzene | 3.95 | 0.0250 | 5.00 | ND | 78.9 | 54-133 | | | |
| Ethylbenzene | 3.90 | 0.0250 | 5.00 | ND | 78.0 | 61-133 | | | |
| Toluene | 3.92 | 0.0250 | 5.00 | ND | 78.3 | 61-130 | | | |
| o-Xylene | 3.87 | 0.0250 | 5.00 | ND | 77.3 | 63-131 | | | |
| p,m-Xylene | 7.87 | 0.0500 | 10.0 | ND | 78.7 | 63-131 | | | |
| Total Xylenes | 11.7 | 0.0250 | 15.0 | ND | 78.2 | 63-131 | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *7.51* | | *8.00* | | *93.9* | *70-130* | | | |
| **Matrix Spike Dup (2410049-MSD1)** | | | | **Source: E403039-03** | | | | | Prepared: 03/05/24 Analyzed: 03/07/24 |
| Benzene | 4.45 | 0.0250 | 5.00 | ND | 88.9 | 54-133 | 11.9 | 20 | |
| Ethylbenzene | 4.40 | 0.0250 | 5.00 | ND | 88.0 | 61-133 | 12.1 | 20 | |
| Toluene | 4.41 | 0.0250 | 5.00 | ND | 88.3 | 61-130 | 12.0 | 20 | |
| o-Xylene | 4.36 | 0.0250 | 5.00 | ND | 87.1 | 63-131 | 11.9 | 20 | |
| p,m-Xylene | 8.87 | 0.0500 | 10.0 | ND | 88.7 | 63-131 | 11.9 | 20 | |
| Total Xylenes | 13.2 | 0.0250 | 15.0 | ND | 88.1 | 63-131 | 11.9 | 20 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *7.51* | | *8.00* | | *93.8* | *70-130* | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Matador Resources, LLC. | Project Name: | Chevron 12 Fed 3 | **Reported:** |
| 5400 LBJ Freeway, Suite 1500 | Project Number: | 23042-0001 | |
| Dallas TX, 75240 | Project Manager: | Chad Hensley | 3/8/2024 2:21:52PM |

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2410049-BLK1)** | | | | | | | | | Prepared: 03/05/24 Analyzed: 03/07/24 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *7.70* | | *8.00* | | *96.3* | *70-130* | | | |
| **LCS (2410049-BS2)** | | | | | | | | | Prepared: 03/05/24 Analyzed: 03/07/24 |
| Gasoline Range Organics (C6-C10) | 41.6 | 20.0 | 50.0 | | 83.2 | 70-130 | | | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *7.73* | | *8.00* | | *96.7* | *70-130* | | | |
| **Matrix Spike (2410049-MS2)** | | | | **Source: E403039-03** | | | | | Prepared: 03/05/24 Analyzed: 03/07/24 |
| Gasoline Range Organics (C6-C10) | 51.4 | 20.0 | 50.0 | ND | 103 | 70-130 | | | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *7.73* | | *8.00* | | *96.6* | *70-130* | | | |
| **Matrix Spike Dup (2410049-MSD2)** | | | | **Source: E403039-03** | | | | | Prepared: 03/05/24 Analyzed: 03/08/24 |
| Gasoline Range Organics (C6-C10) | 43.4 | 20.0 | 50.0 | ND | 86.9 | 70-130 | 16.8 | 20 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *7.70* | | *8.00* | | *96.2* | *70-130* | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Matador Resources, LLC. | Project Name: | Chevron 12 Fed 3 | **Reported:** |
| 5400 LBJ Freeway, Suite 1500 | Project Number: | 23042-0001 | |
| Dallas TX, 75240 | Project Manager: | Chad Hensley | 3/8/2024 2:21:52PM |

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2410067-BLK1)** | | | | | | | | | Prepared: 03/06/24 Analyzed: 03/07/24 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| *Surrogate: n-Nonane* | *46.3* | | *50.0* | | *92.6* | *50-200* | | | |
| **LCS (2410067-BS1)** | | | | | | | | | Prepared: 03/06/24 Analyzed: 03/07/24 |
| Diesel Range Organics (C10-C28) | 242 | 25.0 | 250 | | 97.0 | 38-132 | | | |
| *Surrogate: n-Nonane* | *45.8* | | *50.0* | | *91.5* | *50-200* | | | |
| **Matrix Spike (2410067-MS1)** | | | | **Source: E403039-01** | | | | | Prepared: 03/06/24 Analyzed: 03/07/24 |
| Diesel Range Organics (C10-C28) | 250 | 25.0 | 250 | 25.2 | 89.9 | 38-132 | | | |
| *Surrogate: n-Nonane* | *43.9* | | *50.0* | | *87.8* | *50-200* | | | |
| **Matrix Spike Dup (2410067-MSD1)** | | | | **Source: E403039-01** | | | | | Prepared: 03/06/24 Analyzed: 03/07/24 |
| Diesel Range Organics (C10-C28) | 269 | 25.0 | 250 | 25.2 | 97.6 | 38-132 | 7.47 | 20 | |
| *Surrogate: n-Nonane* | *47.0* | | *50.0* | | *93.9* | *50-200* | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Matador Resources, LLC. | Project Name: | Chevron 12 Fed 3 | **Reported:** |
| 5400 LBJ Freeway, Suite 1500 | Project Number: | 23042-0001 | |
| Dallas TX, 75240 | Project Manager: | Chad Hensley | 3/8/2024 2:21:52PM |

## Anions by EPA 300.0/9056A

Analyst: WF

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2410057-BLK1)** | | | | | | | | | Prepared: 03/05/24 Analyzed: 03/06/24 |
| Chloride | ND | 20.0 | | | | | | | |
| **LCS (2410057-BS1)** | | | | | | | | | Prepared: 03/05/24 Analyzed: 03/06/24 |
| Chloride | 252 | 20.0 | 250 | | 101 | 90-110 | | | |
| **Matrix Spike (2410057-MS1)** | | | | **Source: E403039-05** | | | | | Prepared: 03/05/24 Analyzed: 03/06/24 |
| Chloride | 367 | 20.0 | 250 | 114 | 101 | 80-120 | | | |
| **Matrix Spike Dup (2410057-MSD1)** | | | | **Source: E403039-05** | | | | | Prepared: 03/05/24 Analyzed: 03/06/24 |
| Chloride | 370 | 20.0 | 250 | 114 | 102 | 80-120 | 0.662 | 20 | |

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

# Definitions and Notes

| | | | |
|---|---|---|---|
| Matador Resources, LLC. | Project Name: | Chevron 12 Fed 3 | |
| 5400 LBJ Freeway, Suite 1500 | Project Number: | 23042-0001 | **Reported:** |
| Dallas TX, 75240 | Project Manager: | Chad Hensley | 03/08/24 14:21 |

| | |
|---|---|
| ND | Analyte NOT DETECTED at or above the reporting limit |
| NR | Not Reported |
| RPD | Relative Percent Difference |
| DNI | Did Not Ignite |
| DNR | Did not react with the addition of acid or base. |

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information

Chain of Custody

Page 1 of 2

| | |
|---|---|
| Client: [redacted] /Matador Raybaw | Bill To |
| Project: Chevron 12 Federal 3 | Attention: Talon LPE |
| Project Manager: C.Hensley | Address: |
| Address: 408 W. Texas Ave | City, State, Zip |
| City, State, Zip Artesia, NM 88210 | Phone: |
| Phone: 575-746-8768 | Email: |
| Email: chensley@talonlpe.com | |
| Report due by: | |

Lab Use Only 23042-0001

| Lab WO# | Job Number | TAT | | | | EPA Program | |
|---|---|---|---|---|---|---|---|
| E403039 | ~~23052-0001~~ AP | 1D | 2D | 3D | Standard | CWA | SDWA |
| | | | | | X | | RCRA |

State: NM X | CO | UT | AZ | TX

| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number | TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | GDOC TX | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1103 | 2/26/24 | soil | 1 | C-1 16' | 1 | x | x | | | x | | | |
| 1109 | " | " | 1 | C-2 16' | 2 | x | x | | | x | | | |
| 1116 | " | " | 1 | C-3 16' | 3 | x | x | | | x | | | |
| 1123 | " | " | 1 | SW-1 | 4 | x | x | | | x | | | |
| 1126 | " | " | 1 | SW-2 | 5 | x | x | | | x | | | |
| 1130 | " | " | 1 | SW-3 | 6 | x | x | | | x | | | |
| 1135 | " | " | 1 | SW-4 | 7 | x | x | | | x | | | |
| 1139 | " | " | 1 | SW-5 | 8 | x | x | | | x | | | |
| 1145 | " | " | 1 | SW-6 | 9 | x | x | | | x | | | |
| 1148 | " | " | 1 | SW-7 | 10 | x | x | | | x | | | |

**Additional Instructions:**

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Chad Hensley

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |
|---|---|---|---|---|---|
| Chad | 3/4/24 | 1500 | Michelle Gamble | 3-4-24 | 1500 |
| Michelle Gamble | 3-4-24 | 1530 | Andrew Moss | 3.4.24 | 1630 |
| Andrew Moss | 3.4.24 | 2230 | [signature] | 3-5-24 | 0700 |

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Project Information

Chain of Custody



| | |
|---|---|
| Client: [redacted] /Matador Raybaw | Bill To |
| Project: Chevron 12 Federal 3 | Attention: Talon LPE |
| Project Manager: C.Hensley | Address: |
| Address: 408 W. Texas Ave | City, State, Zip |
| City, State, Zip Artesia, NM 88210 | Phone: |
| Phone: 575-746-8768 | Email: |
| Email: chensley@talonlpe.com | |
| Report due by: | |

Lab Use Only 23042-0001

| Lab WO# | Job Number | 1D | 2D | 3D | Standard |
|---|---|---|---|---|---|
| E 403039 | ~~23052-0001~~ AR | | | | X |

TAT

EPA Program: CWA | SDWA | RCRA

State: NM | CO | UT | AZ | TX

| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number | TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | GDOC TX | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1152 | 2/26/24 | soil | 1 | SW-8 | 11 | x | x | | | x | | | |
| 1158 | 2/26/24 | soil | 1 | SW-9 | 12 | x | x | | | x | | | |

Analysis and Method

**Additional Instructions:**

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Chad Hensley

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |
|---|---|---|---|---|---|
| [signature] | 3/4/24 | 1500 | [signature] | 3.4.24 | 1500 |
| [signature] | 3-4-24 | 1530 | [signature] | 3.4.24 | 1630 |
| [signature] | 3.4.24 | 2230 | [signature] | 3-5-24 | 0700 |

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

# Envirotech Analytical Laboratory

Printed: 3/5/2024 11:38:41AM

## Sample Receipt Checklist (SRC)

**Instructions: Please take note of any NO checkmarks.**
**If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.**

| | | | | | |
|---|---|---|---|---|---|
| Client: | Matador Resources, LLC. | Date Received: | 03/05/24 07:00 | Work Order ID: | E403039 |
| Phone: | (972) 371-5200 | Date Logged In: | 03/05/24 07:41 | Logged In By: | Angelina Pineda |
| Email: | | Due Date: | 03/11/24 17:00 (4 day TAT) | | |

**Chain of Custody (COC)**

| | | |
|---|---|---|
| 1. Does the sample ID match the COC? | Yes | |
| 2. Does the number of samples per sampling site location match the COC | Yes | |
| 3. Were samples dropped off by client or carrier? | Yes | Carrier: Courier |
| 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? | Yes | |
| 5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion. | Yes | |

**Sample Turn Around Time (TAT)**

| | | |
|---|---|---|
| 6. Did the COC indicate standard TAT, or Expedited TAT? | Yes | |

**Sample Cooler**

| | | |
|---|---|---|
| 7. Was a sample cooler received? | Yes | |
| 8. If yes, was cooler received in good condition? | Yes | |
| 9. Was the sample(s) received intact, i.e., not broken? | Yes | |
| 10. Were custody/security seals present? | No | |
| 11. If yes, were custody/security seals intact? | NA | |
| 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling | Yes | |
| 13. If no visible ice, record the temperature. Actual sample temperature: 4°C | | |

**Sample Container**

| | | |
|---|---|---|
| 14. Are aqueous VOC samples present? | No | |
| 15. Are VOC samples collected in VOA Vials? | NA | |
| 16. Is the head space less than 6-8 mm (pea sized or less)? | NA | |
| 17. Was a trip blank (TB) included for VOC analyses? | NA | |
| 18. Are non-VOC samples collected in the correct containers? | Yes | |
| 19. Is the appropriate volume/weight or number of sample containers collected? | Yes | |

**Field Label**

| | | |
|---|---|---|
| 20. Were field sample labels filled out with the minimum information: | | |
| Sample ID? | Yes | |
| Date/Time Collected? | Yes | |
| Collectors name? | Yes | |

**Sample Preservation**

| | | |
|---|---|---|
| 21. Does the COC or field labels indicate the samples were preserved? | No | |
| 22. Are sample(s) correctly preserved? | NA | |
| 24. Is lab filteration required and/or requested for dissolved metals? | No | |

**Multiphase Sample Matrix**

| | | |
|---|---|---|
| 26. Does the sample have more than one phase, i.e., multiphase? | No | |
| 27. If yes, does the COC specify which phase(s) is to be analyzed? | NA | |

**Subcontract Laboratory**

| | | |
|---|---|---|
| 28. Are samples required to get sent to a subcontract laboratory? | No | |
| 29. Was a subcontract laboratory specified by the client and if so who? | NA | Subcontract Lab: NA |

**Comments/Resolution**

**Client Instruction**

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

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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

Action 334539

## QUESTIONS

| | |
|---|---|
| Operator:<br>RAYBAW Operating, LLC<br>2626 Cole Avenue<br>Dallas, TX 75204 | OGRID:<br>330220 |
| | Action Number:<br>334539 |
| | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

| **Prerequisites** | |
|---|---|
| Incident ID (n#) | **nSAP0230537626** |
| Incident Name | **NSAP0230537626 CHEVRON 12 FEDERAL #003 @ 30-025-30601** |
| Incident Type | **Oil Release** |
| Incident Status | **Remediation Closure Report Received** |
| Incident Well | **[30-025-30601] CHEVRON 12 FEDERAL #003** |

| **Location of Release Source** | |
|---|---|
| *Please answer all the questions in this group.* | |
| Site Name | CHEVRON 12 FEDERAL #003 |
| Date Release Discovered | 10/16/2002 |
| 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 \| \| Crude Oil \| Released: 65 BBL \| Recovered: 6 BBL \| Lost: 59 BBL. |
| Produced Water Released (bbls) Details | *Not answered.* |
| Is the concentration of chloride in the produced water >10,000 mg/l | No |
| Condensate Released (bbls) Details | *Not answered.* |
| Natural Gas Vented (Mcf) Details | *Not answered.* |
| Natural Gas Flared (Mcf) Details | *Not answered.* |
| Other Released Details | *Not answered.* |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts) | *Not answered.* |

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# State of New Mexico
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# Oil Conservation Division
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## QUESTIONS (continued)

| | |
|---|---|
| Operator:<br>RAYBAW Operating, LLC<br>2626 Cole Avenue<br>Dallas, TX 75204 | OGRID:<br>330220 |
| | Action Number:<br>334539 |
| | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

| **Nature and Volume of Release (continued)** | |
|---|---|
| Is this a gas only submission (i.e. only significant Mcf values reported) | **No, according to supplied volumes this does not appear to be a "gas only" report.** |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC | **Yes** |
| Reasons why this would be considered a submission for a notification of a major release | **From paragraph A. "Major release" determine using:**<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: Michael Lee<br>Title: COO<br>Email: michael@raybawoperating.com<br>Date: 04/17/2024 |

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# Energy, Minerals and Natural Resources
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## QUESTIONS (continued)

| | |
|---|---|
| Operator:<br>RAYBAW Operating, LLC<br>2626 Cole Avenue<br>Dallas, TX 75204 | OGRID:<br>330220 |
| | Action Number:<br>334539 |
| | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**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 75 and 100 (ft.) |
| What method was used to determine the depth to ground water | NM OSE iWaters Database Search |
| Did this release impact groundwater or surface water | No |
| **What is the minimum distance, between the closest lateral extents of the release and the following surface areas:** | |
| A continuously flowing watercourse or any other significant watercourse | Greater than 5 (mi.) |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark) | Between 1 and 5 (mi.) |
| An occupied permanent residence, school, hospital, institution, or church | Greater than 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 | Low |
| A 100-year floodplain | Greater than 5 (mi.) |
| Did the release impact areas not on an exploration, development, production, or storage site | No |

| **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) | 2280 |
| TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M) | 177.2 |
| GRO+DRO (EPA SW-846 Method 8015M) | 102 |
| 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 | 10/06/2023 |
| On what date will (or did) the final sampling or liner inspection occur | 02/26/2024 |
| On what date will (or was) the remediation complete(d) | 10/22/2023 |
| What is the estimated surface area (in square feet) that will be reclaimed | 0 |
| 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 | 400 |
| What is the estimated volume (in cubic yards) that will be remediated | 237 |
| *These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.* | |
| *The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.* | |

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## QUESTIONS (continued)

| | |
|---|---|
| Operator:<br>RAYBAW Operating, LLC<br>2626 Cole Avenue<br>Dallas, TX 75204 | OGRID:<br>330220 |
| | Action Number:<br>334539 |
| | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

| | |
|---|---|
| **Remediation Plan (continued)** | |
| *Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.* | |
| **This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:** | |
| *(Select all answers below that apply.)* | |
| (Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.) | Yes |
| Which OCD approved facility will be used for **off-site** disposal | LEA LAND LANDFILL [fEEM0112342028] |
| **OR** which OCD approved well (API) will be used for **off-site** disposal | *Not answered.* |
| **OR** is the **off-site** disposal site, to be used, out-of-state | *Not answered.* |
| **OR** is the **off-site** disposal site, to be used, an NMED facility | *Not answered.* |
| (Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms) | No |
| (In Situ) Soil Vapor Extraction | No |
| (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.) | No |
| (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.) | No |
| (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.) | No |
| Ground Water Abatement pursuant to 19.15.30 NMAC | No |
| OTHER (Non-listed remedial process) | No |
| *Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.* | |
| | |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. | |
| I hereby agree and sign off to the above statement | Name: Michael Lee<br>Title: COO<br>Email: michael@raybawoperating.com<br>Date: 04/17/2024 |
| *The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.* | |

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## QUESTIONS (continued)

| | |
|---|---|
| Operator:<br>RAYBAW Operating, LLC<br>2626 Cole Avenue<br>Dallas, TX 75204 | OGRID:<br>330220 |
| | Action Number:<br>334539 |
| | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

| **Deferral Requests Only**<br>*Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.* | |
|---|---|
| Requesting a deferral of the remediation closure due date with the approval of this submission | No |

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## QUESTIONS (continued)

| | |
|---|---|
| Operator:<br>RAYBAW Operating, LLC<br>2626 Cole Avenue<br>Dallas, TX 75204 | OGRID:<br>330220 |
| | Action Number:<br>334539 |
| | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

| **Sampling Event Information** | |
|---|---|
| Last sampling notification (C-141N) recorded | **316572** |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | **02/26/2024** |
| What was the (estimated) number of samples that were to be gathered | **12** |
| What was the sampling surface area in square feet | **416** |

| **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 | 400 |
| What was the total volume (cubic yards) remediated | 237 |
| 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 | 0 |
| What was the total volume (in cubic yards) reclaimed | 0 |
| Summarize any additional remediation activities not included by answers (above) | No additional remediation activities required. |

*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: Michael Lee<br>Title: COO<br>Email: michael@raybawoperating.com<br>Date: 04/17/2024 |

**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 (continued)

| | |
|---|---|
| Operator:<br>RAYBAW Operating, LLC<br>2626 Cole Avenue<br>Dallas, TX 75204 | OGRID:<br>330220 |
| | Action Number:<br>334539 |
| | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

| **Reclamation Report** | |
|---|---|
| *Only answer the questions in this group if all reclamation steps have been completed.* | |
| Requesting a reclamation approval with this submission | No |

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CONDITIONS

Action 334539

## CONDITIONS

| Operator: | OGRID: |
|---|---|
| RAYBAW Operating, LLC<br>2626 Cole Avenue<br>Dallas, TX 75204 | 330220 |
| | Action Number:<br>334539 |
| | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| crystal.walker | Closure Report Approved. A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable. | 4/22/2024 |
| crystal.walker | The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the 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; and a revegetation plan. | 4/22/2024 |