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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	Highlighted cells indicate exceedance of NMOCD Table 1 Closure Criteria
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	

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

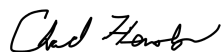
- Copies of the Final C-141s are presented in [Appendix III](#).
- Photographic documentation is provided in [Appendix IV](#).

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



Image Source: Maxar, Microsoft



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



Image Source: Maxar, Microsoft

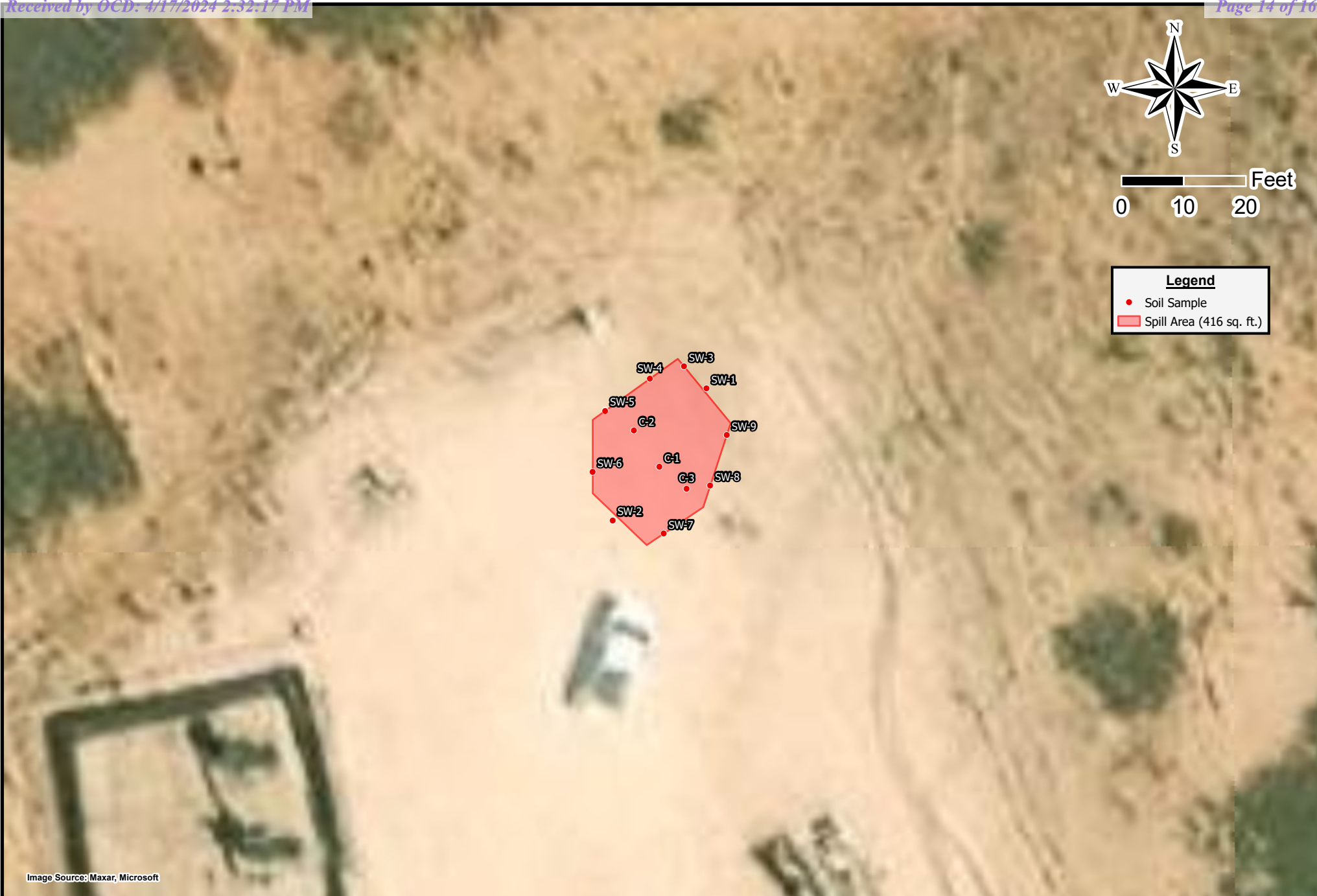


Drafted: 10/27/2023

1 in = 30 ft

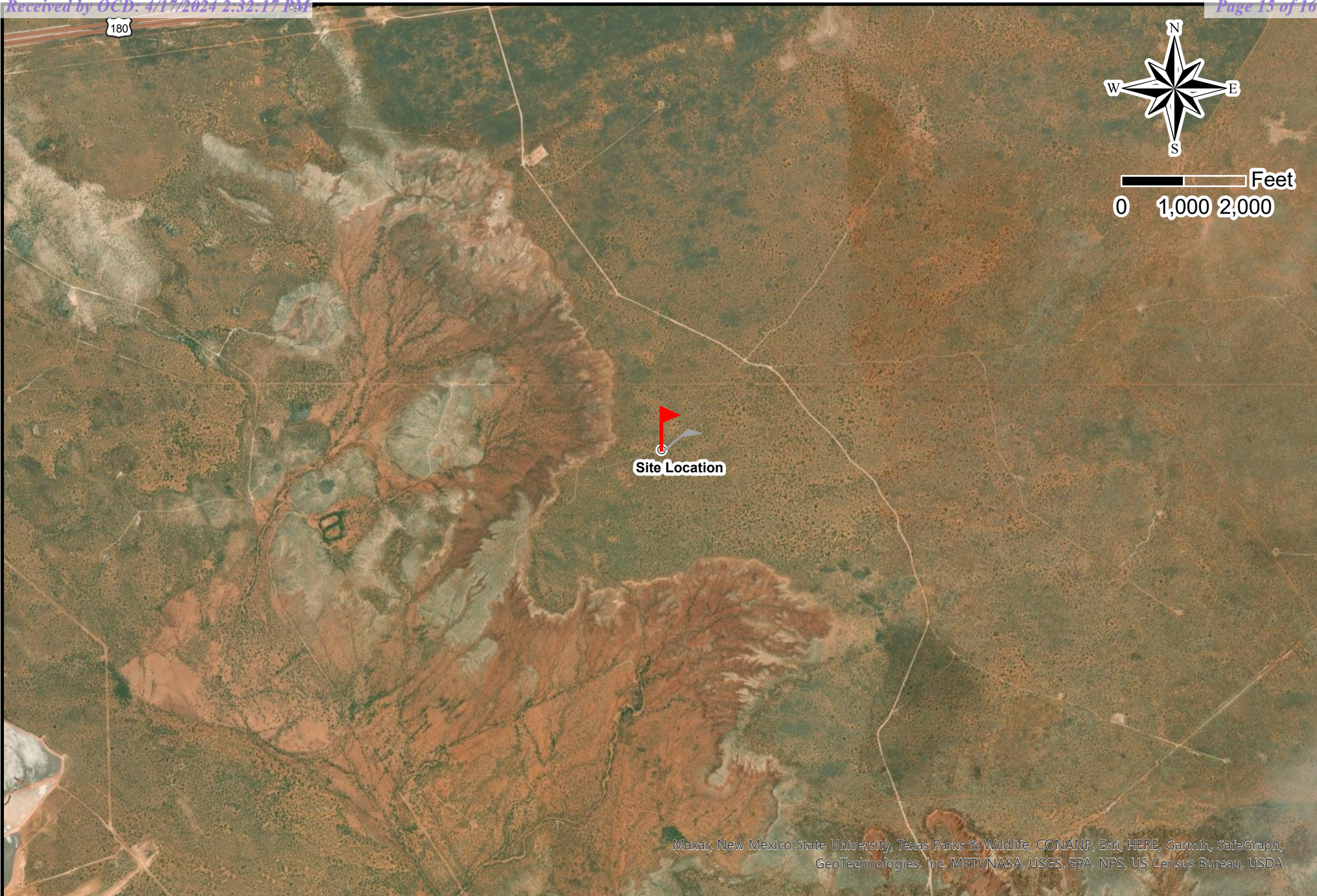
Drafted By: IJR

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



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

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



Drafted: 10/23/2023

1 in = 2,000 ft

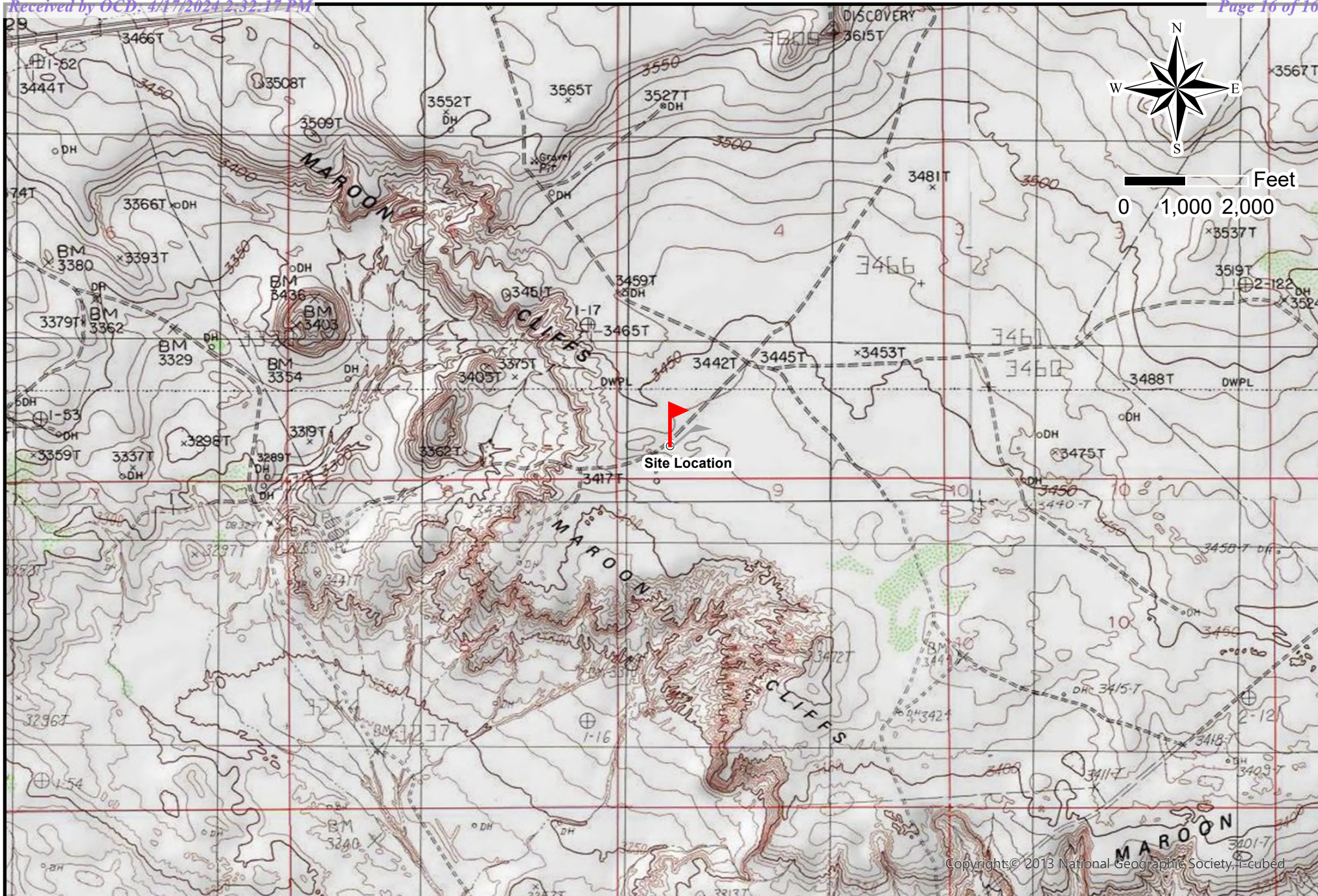
Drafted By: IJR

Matador Resources Company

Chevron 12 Federal #3

Lea County, NM

Figure 4 - Site Location Map



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

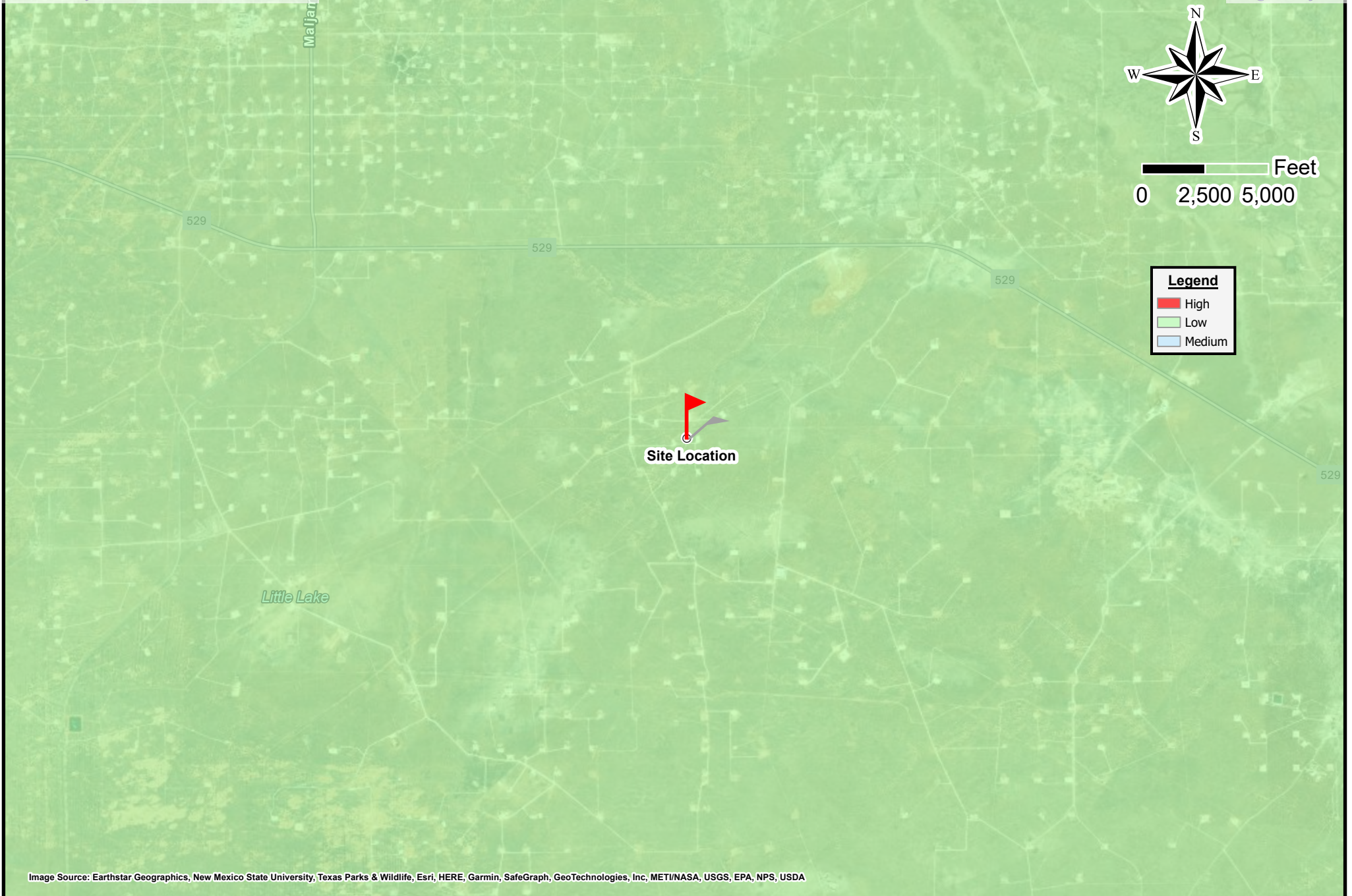


Image Source: Earthstar Geographics, New Mexico State University, Texas Parks & Wildlife, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA



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 Sub-Code	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

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

4/2/23 7:20 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

Released to Imaging: 4/22/2024 10:33:39 AM



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

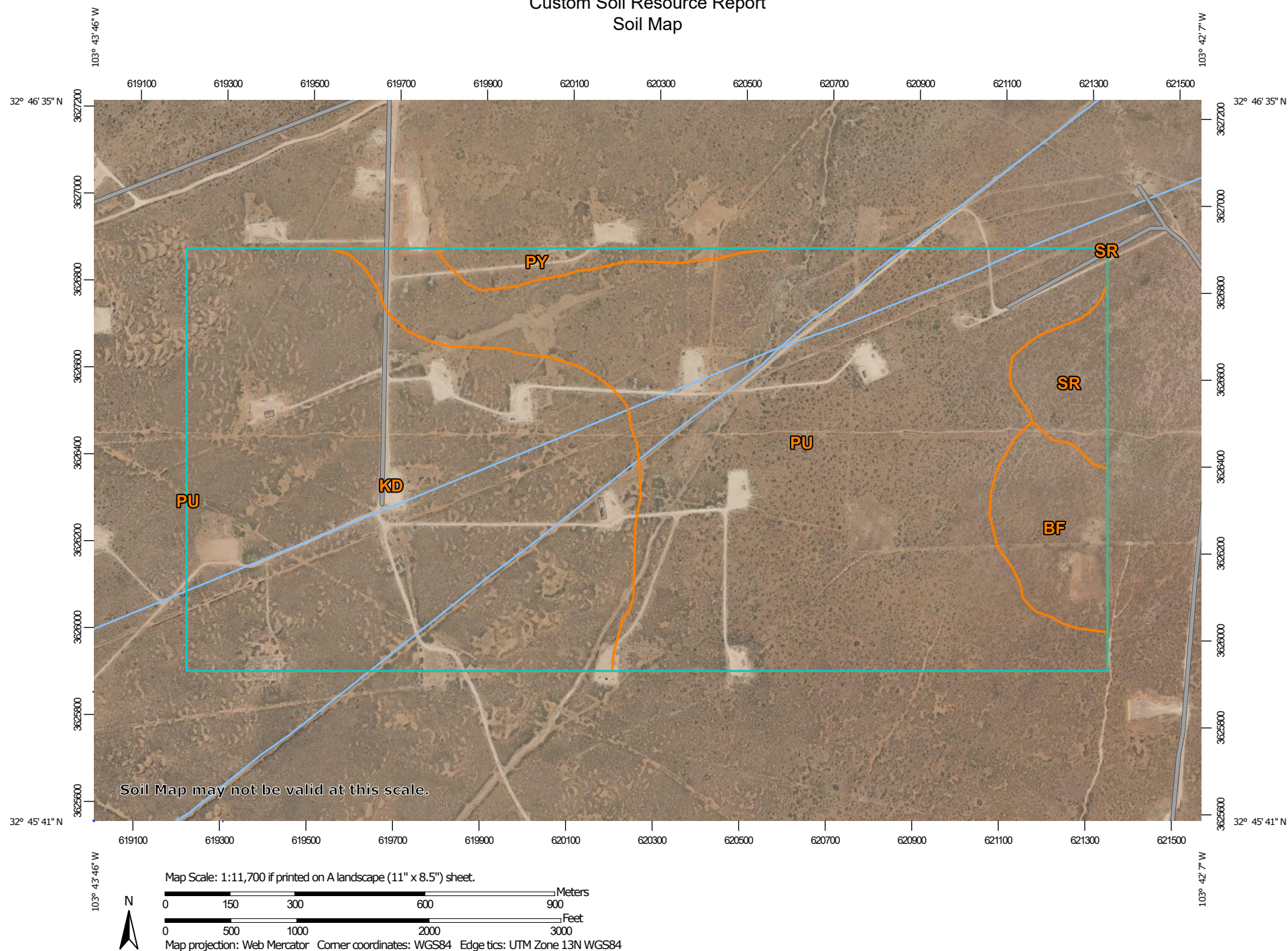
Custom Soil Resource Report for **Lea County, New Mexico**



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

Custom Soil Resource Report

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.

Custom Soil Resource Report

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

Custom Soil Resource Report

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.

Custom Soil Resource Report

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

Custom Soil Resource Report

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

Custom Soil Resource Report

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

Custom Soil Resource Report

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

Custom Soil Resource Report

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

Custom Soil Resource Report

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

Custom Soil Resource Report

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

Custom Soil Resource Report

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

Custom Soil Resource Report

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*

Custom Soil Resource Report

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

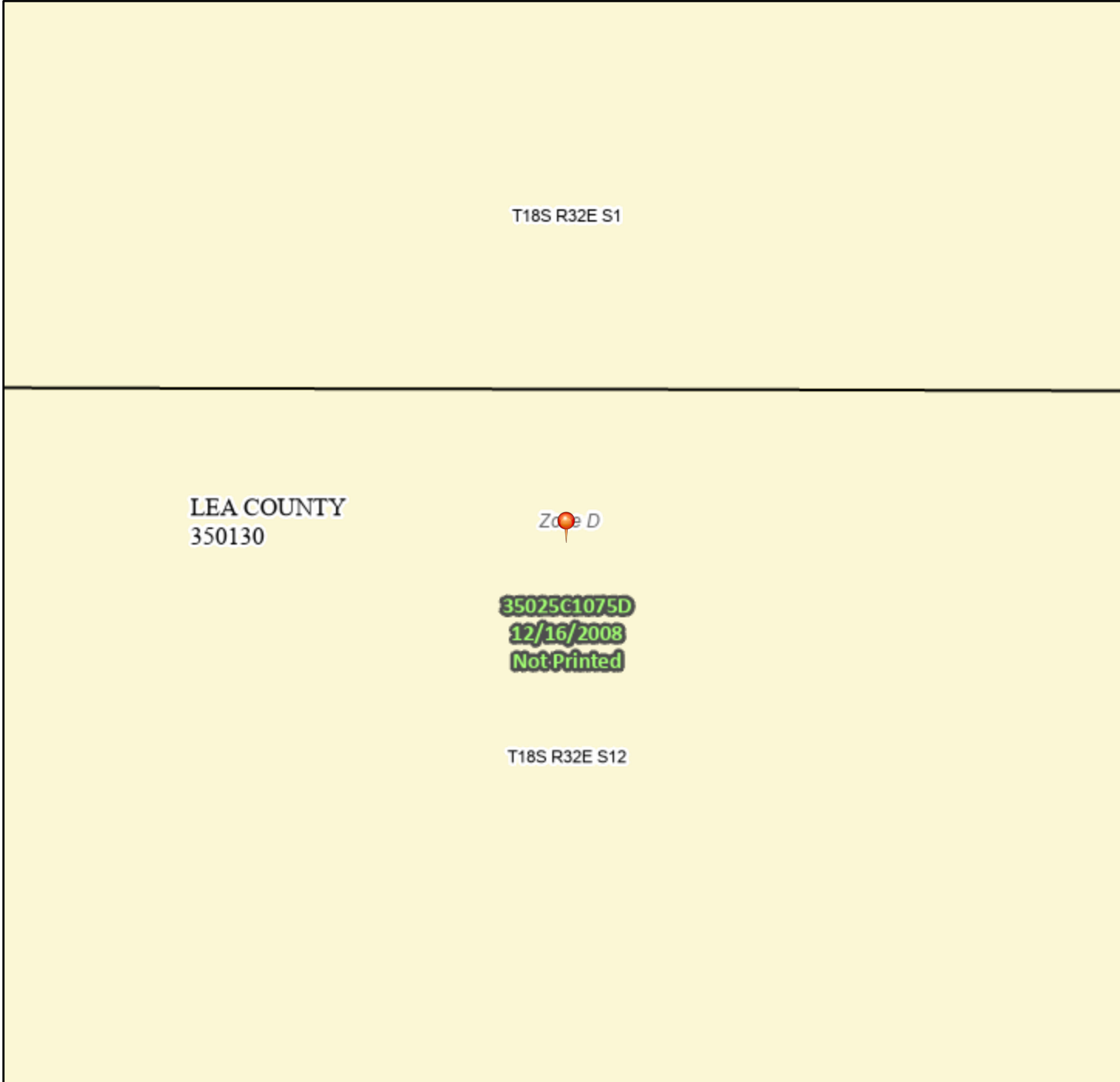
Ecological site: R077CY028TX - Limy Upland 16-21" PZ

Hydric soil rating: No

National Flood Hazard Layer FIRMette



103°43'19"W 32°46'20"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000 103°42'41"W 32°45'50"N

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 Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

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.

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? 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 <u>not</u> 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: <u>Clinton Talley</u>	Title: <u>EHS</u>
Signature: <u></u>	Date: <u>4/17/2024</u>
email: <u>clinton.talley@matadorresources.com</u>	Telephone: <u>337-319-8398</u>
<u>OCD Only</u>	
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.

State of New Mexico
Oil Conservation Division

Page 4

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: _____

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



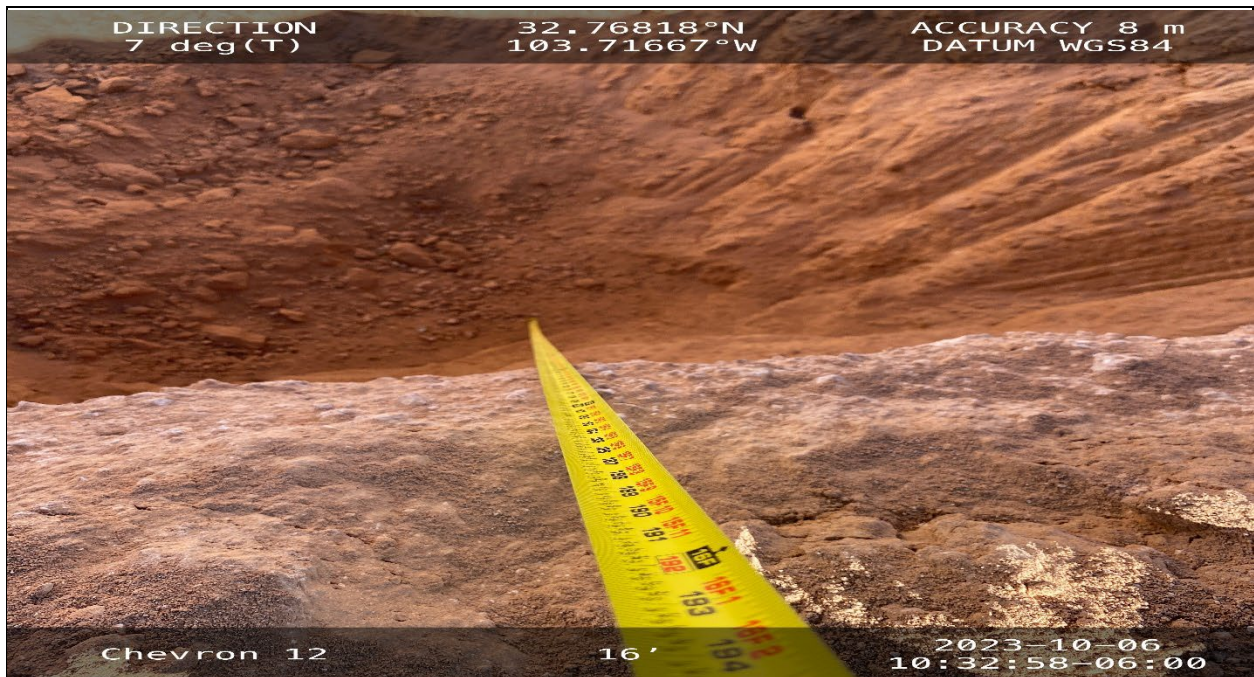


Matador Resources
Chevron 12 Fed #003
Lea County, New Mexico



Photograph No.3
Description:

View of final excavation.



Photograph No.4
Description:

Excavation depth of 16 feet bgs.



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





Appendix V

Laboratory Reports

Report to:
Chad Hensley



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

5796 U.S. Hwy 64
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

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 regarding 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
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labadmin@envirotech-inc.com

Field Offices:

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ljjarboe@envirotech-inc.com

Michelle Golzaes
Technical Representative
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Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Chevron 12 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 10/12/23 10:15
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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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Chevron 12 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 10/12/2023 10:15:04AM
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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.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Chevron 12
Project Number: 23042-0001
Project Manager: Chad Hensley

Reported:
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	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	
<i>Surrogate: n-Nonane</i>	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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Chevron 12 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 10/12/2023 10:15:04AM
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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.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Chevron 12
Project Number: 23042-0001
Project Manager: Chad Hensley

Reported:
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	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	
<i>Surrogate: n-Nonane</i>						
	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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

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.



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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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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 filtration 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.



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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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
Reported: 06/02/2023
Project Name: CHEVRON 12 FED 3
Project Number: 702520.053.01
Project Location: MATADOR - LEA COUNTY, NM

Sampling Date: 05/30/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

BTX 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 BTX	<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

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/31/2023
Reported: 06/02/2023
Project Name: CHEVRON 12 FED 3
Project Number: 702520.053.01
Project Location: MATADOR - LEA COUNTY, NM

Sampling Date: 05/30/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

BTX 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 BTX	<0.300	0.300	06/01/2023	ND					

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

Chloride, SM4500CI-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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/31/2023
Reported: 06/02/2023
Project Name: CHEVRON 12 FED 3
Project Number: 702520.053.01
Project Location: MATADOR - LEA COUNTY, NM

Sampling Date: 05/30/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/31/2023
Reported: 06/02/2023
Project Name: CHEVRON 12 FED 3
Project Number: 702520.053.01
Project Location: MATADOR - LEA COUNTY, NM

Sampling Date: 05/30/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/31/2023
Reported: 06/02/2023
Project Name: CHEVRON 12 FED 3
Project Number: 702520.053.01
Project Location: MATADOR - LEA COUNTY, NM

Sampling Date: 05/30/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/31/2023
Reported: 06/02/2023
Project Name: CHEVRON 12 FED 3
Project Number: 702520.053.01
Project Location: MATADOR - LEA COUNTY, NM

Sampling Date: 05/30/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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Celey D. Keene, Lab Director/Quality Manager



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
Reported: 06/02/2023
Project Name: CHEVRON 12 FED 3
Project Number: 702520.053.01
Project Location: MATADOR - LEA COUNTY, NM

Sampling Date: 05/30/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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Celey D. Keene, Lab Director/Quality Manager



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
 Reported: 06/02/2023
 Project Name: CHEVRON 12 FED 3
 Project Number: 702520.053.01
 Project Location: MATADOR - LEA COUNTY, NM

Sampling Date: 05/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

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Celey D. Keene, Lab Director/Quality Manager



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
Reported: 06/02/2023
Project Name: CHEVRON 12 FED 3
Project Number: 702520.053.01
Project Location: MATADOR - LEA COUNTY, NM

Sampling Date: 05/30/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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, SM4500CI-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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/31/2023
Reported: 06/02/2023
Project Name: CHEVRON 12 FED 3
Project Number: 702520.053.01
Project Location: MATADOR - LEA COUNTY, NM

Sampling Date: 05/30/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/31/2023
Reported: 06/02/2023
Project Name: CHEVRON 12 FED 3
Project Number: 702520.053.01
Project Location: MATADOR - LEA COUNTY, NM

Sampling Date: 05/30/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/31/2023
Reported: 06/02/2023
Project Name: CHEVRON 12 FED 3
Project Number: 702520.053.01
Project Location: MATADOR - LEA COUNTY, NM

Sampling Date: 05/30/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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Analytical Results For:

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

Received: 05/31/2023
Reported: 06/02/2023
Project Name: CHEVRON 12 FED 3
Project Number: 702520.053.01
Project Location: MATADOR - LEA COUNTY, NM

Sampling Date: 05/30/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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Analytical Results For:

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

Received: 05/31/2023
Reported: 06/02/2023
Project Name: CHEVRON 12 FED 3
Project Number: 702520.053.01
Project Location: MATADOR - LEA COUNTY, NM

Sampling Date: 05/30/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/31/2023
Reported: 06/02/2023
Project Name: CHEVRON 12 FED 3
Project Number: 702520.053.01
Project Location: MATADOR - LEA COUNTY, NM

Sampling Date: 05/30/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/31/2023
Reported: 06/02/2023
Project Name: CHEVRON 12 FED 3
Project Number: 702520.053.01
Project Location: MATADOR - LEA COUNTY, NM

Sampling Date: 05/30/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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
Reported: 06/02/2023
Project Name: CHEVRON 12 FED 3
Project Number: 702520.053.01
Project Location: MATADOR - LEA COUNTY, NM

Sampling Date: 05/30/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/31/2023
Reported: 06/02/2023
Project Name: CHEVRON 12 FED 3
Project Number: 702520.053.01
Project Location: MATADOR - LEA COUNTY, NM

Sampling Date: 05/30/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/31/2023
Reported: 06/02/2023
Project Name: CHEVRON 12 FED 3
Project Number: 702520.053.01
Project Location: MATADOR - LEA COUNTY, NM

Sampling Date: 05/30/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/31/2023
Reported: 06/02/2023
Project Name: CHEVRON 12 FED 3
Project Number: 702520.053.01
Project Location: MATADOR - LEA COUNTY, NM

Sampling Date: 05/30/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/31/2023
Reported: 06/02/2023
Project Name: CHEVRON 12 FED 3
Project Number: 702520.053.01
Project Location: MATADOR - LEA COUNTY, NM

Sampling Date: 05/30/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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, SM4500CI-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

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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

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A handwritten signature in black ink, appearing to read "C. D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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Relinquished By: _____ Date: 11/15/17 Received By: _____

Reinquished By:

Relinquished By:

Time:

Received By:

Date: 3/23/20

Received By:

Time:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

#113
3.9c/3.3c

Sample	Condition
Cool	Intact
☒ Yes	☒ Yes
☐ No	☐ No

CHECKED BY:

Page 1 of 3

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon LPE		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: C. Hensley		Company:					
Address: 408 W. Texas Ave		Attn:					
City: Artesia		State: NM		Zip: 88210			
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.
H332762	
11 S-9.2'	(G)RAB OR (C)OMP.
12 S-9.4'	# CONTAINERS
13 S-10.0-1'	GROUNDWATER
14 S-10.2'	WASTEWATER
15 S-10.4'	SOIL
16 S-11.0-1'	OIL
17 S-11.2'	SLUDGE
18 S-11.4'	OTHER :
19 S-12.0-1'	ACID/BASE:
20 S-12.2'	ICE / COOL
	OTHER :
	DATE
	TIME
	CL
	BTEX
	TPH

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Relinquished By: <u>Matthews</u>		Date: <u>5/31/13</u>	Received By: <u>Speckle</u>	Phone Result: ☐ Yes ☐ No	Add'l Phone #: _____
Relinquished By: _____		Date: _____	Received By: _____	Fax Result: ☐ Yes ☐ No	Add'l Fax #: _____
Time: _____		REMARKS: _____			
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <u>3.92 / 3.30</u>		Sample Condition Cool ☒ Intact ☒ Yes ☒ No ☐		CHECKED BY: <u>(Initials)</u>	

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



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		ANALYSIS REQUEST																																							
Project Manager: C. Hensley		P.O. #:																																									
Address: 408 W. Texas Ave		Company:																																									
City: Artesia		Attn:																																									
Phone #: 575.746.8768		Address:																																									
Fax #: 575.746.8768		City:																																									
Project #: 702520.053.01		State: NM zip: 88210																																									
Project Owner: Matador		Fax #:																																									
Project Name: Chevron 12 Fed 3		City:																																									
Project Location: Lea County, NM		State:																																									
Sample Name: M. Gomez, B. Medley		Phone #:																																									
Fax #:		Zip:																																									
FOR LAB USE ONLY		PRESERV		SAMPLING																																							
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		CL		BTX		TPH											
H232763	S-12 4'	G		1						☒														5/30/23		12:22		☒		☒		☒											
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Relinquished By: Matthew Gantz		Date: 5/31/23		Time: 1:32		Received By: Stockeigren		Date: 5/31/23		Time: 1:32		Sample Condition		Checked By: (initials)																													
Relinquished By:		Date:		Time:		Received By:		Date:		Time:		☒ Yes ☐ No		☒ Yes ☐ No																													
Delivered By: (Circle One)		#113		3.9c / 3.3c		Sample Condition		Checked By: (initials)																																			
Sampler - UPS - Bus - Other:		3.9c / 3.3c		Sample Condition		Checked By: (initials)																																					
† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326																																											



Environment Testing

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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

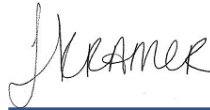
Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Released to Imaging: 4/22/2024 10:55:59 AM



Eurofins Carlsbad**Job Notes**

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

Authorization

Generated
3/30/2023 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

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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.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
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
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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

Date Collected: 03/21/23 08:52

Matrix: Solid

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
Oil 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

Date Collected: 03/21/23 08:57

Matrix: Solid

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

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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-1

Lab Sample ID: 890-4376-2

Date Collected: 03/21/23 08:57

Matrix: Solid

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
Oil 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

Date Collected: 03/21/23 09:02

Matrix: Solid

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

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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-1

Lab Sample ID: 890-4376-3

Date Collected: 03/21/23 09:02

Matrix: Solid

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
Oil 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

Date Collected: 03/21/23 09:08

Matrix: Solid

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
Oil 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

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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-2

Lab Sample ID: 890-4376-4

Date Collected: 03/21/23 09:08

Matrix: Solid

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

Date Collected: 03/21/23 09:13

Matrix: Solid

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
Oil 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

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-2

Lab Sample ID: 890-4376-6

Date Collected: 03/21/23 09:17

Matrix: Solid

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
Oil 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

Date Collected: 03/21/23 09:22

Matrix: Solid

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
Oil 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

Date Collected: 03/21/23 09:29

Matrix: Solid

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

Date Collected: 03/21/23 09:31

Matrix: Solid

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

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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: 890-4376-9

Date Collected: 03/21/23 09:31

Matrix: Solid

Date Received: 03/21/23 12:01

Sample Depth: 4

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

Lab Sample ID: 890-4376-10

Date Collected: 03/21/23 09:36

Matrix: Solid

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	<0.000384	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
Oil 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

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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

Lab Sample ID: 890-4376-11

Date Collected: 03/21/23 09:16

Matrix: Solid

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
Oil 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

Date Collected: 03/21/23 09:19

Matrix: Solid

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

Lab Sample ID: 890-4376-12

Date Collected: 03/21/23 09:19

Matrix: Solid

Date Received: 03/21/23 12:01

Sample Depth: 4

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

Lab Sample ID: 890-4376-13

Date Collected: 03/21/23 09:22

Matrix: Solid

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	<0.000381	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

Lab Sample ID: 890-4376-13

Date Collected: 03/21/23 09:22

Matrix: Solid

Date Received: 03/21/23 12:01

Sample Depth: 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	23.5	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

Lab Sample ID: 890-4376-14

Date Collected: 03/21/23 09:25

Matrix: Solid

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	<0.000383	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

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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

Lab Sample ID: 890-4376-14

Date Collected: 03/21/23 09:25

Matrix: Solid

Date Received: 03/21/23 12:01

Sample Depth: 3

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

Lab Sample ID: 890-4376-15

Date Collected: 03/21/23 09:29

Matrix: Solid

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 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
Oil 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

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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

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Surrogate Summary

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)

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

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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: 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		RPD	Limit
							Limits	RPD		
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		Limits
	%Recovery	Qualifier	
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	RPD
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		Limits
	%Recovery	Qualifier	
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		RPD	Limit
									Limits	RPD		
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		Limits
	%Recovery	Qualifier	
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		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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

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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: MB 880-49368/1-A
Matrix: Solid
Analysis Batch: 49358

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49368

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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
Oil 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	MB	Limits	Prepared	Analyzed	Dil Fac			
	%Recovery	Qualifier							
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
Matrix: Solid
Analysis Batch: 49358

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 49368

Analyte			Spike	LCS	LCS	Unit	D	%Rec		
			Added	Result	Qualifier			%Rec		
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		Limits							
	%Recovery	Qualifier								
1-Chlorooctane	85		70 - 130							
o-Terphenyl	100		70 - 130							

Lab Sample ID: LCSD 880-49368/3-A
Matrix: Solid
Analysis Batch: 49358

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 49368

Analyte			Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
			Added	Result	Qualifier				Limits		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		Limits								
	%Recovery	Qualifier									
1-Chlorooctane	83		70 - 130								
o-Terphenyl	96		70 - 130								

Lab Sample ID: 890-4376-1 MS
Matrix: Solid
Analysis Batch: 49358

Client Sample ID: S-1
Prep Type: Total/NA
Prep Batch: 49368

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits		
	Result	Qualifier	Added	Result	Qualifier							
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			

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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

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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: 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

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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

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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	

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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	

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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

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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

Lab Sample ID: 890-4376-1

Date Collected: 03/21/23 08:52

Matrix: Solid

Date Received: 03/21/23 12:01

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

Lab Sample ID: 890-4376-2

Date Collected: 03/21/23 08:57

Matrix: Solid

Date Received: 03/21/23 12:01

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

Lab Sample ID: 890-4376-3

Date Collected: 03/21/23 09:02

Matrix: Solid

Date Received: 03/21/23 12:01

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

Lab Sample ID: 890-4376-4

Date Collected: 03/21/23 09:08

Matrix: Solid

Date Received: 03/21/23 12:01

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

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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

Lab Sample ID: 890-4376-4

Date Collected: 03/21/23 09:08

Matrix: Solid

Date Received: 03/21/23 12:01

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

Lab Sample ID: 890-4376-5

Date Collected: 03/21/23 09:13

Matrix: Solid

Date Received: 03/21/23 12:01

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

Lab Sample ID: 890-4376-6

Date Collected: 03/21/23 09:17

Matrix: Solid

Date Received: 03/21/23 12:01

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

Lab Sample ID: 890-4376-7

Date Collected: 03/21/23 09:22

Matrix: Solid

Date Received: 03/21/23 12:01

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

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-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

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-5

Lab Sample ID: 890-4376-14

Date Collected: 03/21/23 09:25

Matrix: Solid

Date Received: 03/21/23 12:01

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

Lab Sample ID: 890-4376-15

Date Collected: 03/21/23 09:29

Matrix: Solid

Date Received: 03/21/23 12:01

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

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

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



Environment Testing
Xenco

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

Chain of Custody

Work Order No: _____

www.xenco.com Page 1 of 3

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				Pres. Code		ANALYSIS REQUEST										Preservative Codes			
Project Number:				702520.053.01				☐ Routine ☒ Rush																None: NO			
Project Location:				Eddy County, NM				Due Date:				3/24/2003												Cool: Cool			
Sampler's Name:				Chad Hensley				TAT starts the day received by the lab, if received by 4:30pm																HCL: HC			
PO #:				N/A																				H ₂ SO ₄ : H ₂			
SAMPLE RECEIPT				Temp Blank:		Yes: ☒ No: ☐		Wet Ice:		Yes: ☒ No: ☐														H ₃ PO ₄ : HP			
Samples Received Intact:				Yes: ☒ No: ☐		Thermometer ID:		TJW507																NaHSO ₄ : NABIS			
Cooler Custody Seals:				Yes: No: ☒ N/A: ☐		Correction Factor:		-0.0																Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:				Yes: No: ☒ N/A: ☐		Temperature Reading:		21.2																Zn Acetate+NaOH: Zn			
Total Containers:						Corrected Temperature:		21.0																NaOH+Ascorbic Acid: SAFC			

[illegible][illegible]

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 \$35.00 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
		3-21-23 1201			



Environment Testing

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

Chain of Custody

Work Order No.:

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: _____

[illegible][illegible]

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 Ti Sn U V Zn
TCLP / SPLP 6010: 8RCRA			Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti 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 Xeno, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xeno 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 Xeno. A minimum charge of \$65.00 will be applied to each project and a charge of \$3 for each sample submitted to Eurofins Xeno, 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 <i>Don</i>	<i>Dee Lip</i>	3-21-23 1202	2		
3			4		
5			6		

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

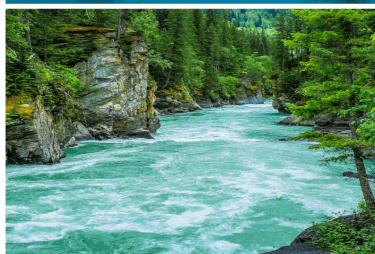
Creator: Rodriguez, Leticia

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



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

5796 U.S. Hwy 64
Farmington, NM 87401

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



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Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

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 regarding 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,

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Chevron 12 Fed 3 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 03/08/24 14:21
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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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Chevron 12 Fed 3 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 3/8/2024 2:21:52PM
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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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Chevron 12 Fed 3 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 3/8/2024 2:21:52PM
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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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Chevron 12 Fed 3 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 3/8/2024 2:21:52PM
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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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Chevron 12 Fed 3 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 3/8/2024 2:21:52PM
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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.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Chevron 12 Fed 3
Project Number: 23042-0001
Project Manager: Chad Hensley

Reported:
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	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	
<i>Surrogate: n-Nonane</i>						
	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.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Chevron 12 Fed 3
Project Number: 23042-0001
Project Manager: Chad Hensley

Reported:
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	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	
<i>Surrogate: n-Nonane</i>						
	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.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Chevron 12 Fed 3
Project Number: 23042-0001
Project Manager: Chad Hensley

Reported:
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	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	
<i>Surrogate: n-Nonane</i>						
	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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Chevron 12 Fed 3 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 3/8/2024 2:21:52PM
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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.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Chevron 12 Fed 3
Project Number: 23042-0001
Project Manager: Chad Hensley

Reported:
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	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	
<i>Surrogate: n-Nonane</i>						
	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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Chevron 12 Fed 3 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 3/8/2024 2:21:52PM
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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.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Chevron 12 Fed 3
Project Number: 23042-0001
Project Manager: Chad Hensley

Reported:
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		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	
<i>Surrogate: n-Nonane</i>						
		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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Chevron 12 Fed 3 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 3/8/2024 2:21:52PM
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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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Chevron 12 Fed 3 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 3/8/2024 2:21:52PM
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Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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: <u>Matador Raybaw</u> Project: <u>Chevron 12 Federal 3</u> Project Manager: <u>C.Hensley</u> Address: <u>408 W. Texas Ave</u> City, State, Zip: <u>Artesia, NM 88210</u> Phone: <u>575-746-8768</u> Email: <u>chensley@talonlpe.com</u> Report due by: _____					Bill To Attention: <u>Talon LPE</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____					Lab Use Only <u>23042-0001</u> TAT Lab WO# <u>E 403039</u> Job Number <u>23052-001</u> AP Analysis and Method TPH GRO/DRO/ORO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BDOC NM GDOC TX EPA Program CWA SDWA RCRA State NM CO UT AZ TX X Remarks									
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	BDOC 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: <u>Chad Hensley</u>																			
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	Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>											
<u>Chad Hensley</u>		3/4/24	1500	<u>Nichole Gough</u>		3-4-24	1500												
<u>Nichole Gough</u>		3-4-24	1530	<u>Andrew</u>		3-4-24	1630												
<u>Andrew</u>		3-4-24	2230	<u>AQ</u>		3-5-24	0700												
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 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.
Phone: (972) 371-5200
Email:

Date Received: 03/05/24 07:00
Date Logged In: 03/05/24 07:41
Due Date: 03/11/24 17:00 (4 day TAT)

Work Order ID: E403039
Logged In By: Angelina Pineda

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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierSample 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 Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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 filtration 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.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 334588

QUESTIONS

Operator: RAYBAW Operating, LLC 2626 Cole Avenue Dallas, TX 75204	OGRID:	330220
	Action Number:	334588
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nSAP0233641771
Incident Name	NSAP0233641771 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	11/16/2002
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	Yes
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: 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	Not answered.
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.

District I

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District IV

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 2

Action 334588

QUESTIONS (continued)

Operator: RAYBAW Operating, LLC 2626 Cole Avenue Dallas, TX 75204	OGRID:	330220
	Action Number:	334588
	Action Type:	[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: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more; (2) an unauthorized release of a volume that: (b) may with reasonable probability reach a watercourse.
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 Title: COO Email: michael@raybawoperating.com Date: 04/17/2024
--	---

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1625 N. French Dr., Hobbs, NM 88240
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 3

Action 334588

QUESTIONS (continued)

Operator: RAYBAW Operating, LLC 2626 Cole Avenue Dallas, TX 75204	OGRID:	330220
	Action Number:	334588
	Action Type:	[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.

District I

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QUESTIONS, Page 4

Action 334588

QUESTIONS (continued)

Operator: RAYBAW Operating, LLC 2626 Cole Avenue Dallas, TX 75204	OGRID: 330220
	Action Number: 334588
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(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
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Michael Lee Title: COO Email: michael@raybawoperating.com Date: 04/17/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 334588

QUESTIONS (continued)

Operator: RAYBAW Operating, LLC 2626 Cole Avenue Dallas, TX 75204	OGRID: 330220
	Action Number: 334588
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 334588

QUESTIONS (continued)

Operator: RAYBAW Operating, LLC 2626 Cole Avenue Dallas, TX 75204	OGRID:	330220
	Action Number:	334588
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	316576
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 Title: COO Email: michael@raybawoperating.com Date: 04/17/2024
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QUESTIONS, Page 7

Action 334588

QUESTIONS (continued)

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	Action Type: [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 334588

CONDITIONS

Operator: RAYBAW Operating, LLC 2626 Cole Avenue Dallas, TX 75204	OGRID:
	330220
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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