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TALON LPE

Deferment Request

Sheldon 15 Federal #001
Lea County, New Mexico
API ID # 30-025-30031
Incident # nPRS0525754883

Prepared For:

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

Prepared By:

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

February 28, 2023

New Mexico Oil Conservation District
506 W. Texas Ave
Artesia, NM 88210

Subject: **Deferment Request**
Sheldon 15 Federal #001
Lea County, New Mexico
API # 30-025-30031
Incident # nPRS0525754883

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, and deferment request are presented herein.

Site Information

The Sheldon 15 Federal #001 is located approximately ten (10) miles southeast of Maljamar, New Mexico. The legal location for this release is Unit Letter A, Section 15, Township 18 South and Range 33 East in Lea County, New Mexico. More specifically the latitude and longitude for the release are 32.7539368 and -103.6434555. 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 Ratliff-Wink fine sandy loams, 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 Eolian and Piedmont deposits, Holocene to middle Pleistocene in age.

Groundwater and Site Characterization

Based on the New Mexico Office of the State Engineer Database, the nearest reported groundwater depth is 65 feet below ground surface (bgs) but is located greater than 0.5 miles from the subject site. The FEMA Flood Service Center does not locate the site in a 100-year flood plain. Further research of the Bureau of Land Management Karst data indicates that this site is situated within a low potential karst area. See Appendix II for the site characterization data.

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

With no depth to water source available that meets New Mexico Oil Conservation Division's (NMOCD) criteria within ½ mile of the site, the responsible party must therefore adhere to the cleanup criteria for this site of groundwater less than 50 feet bgs, Table I, NMOCD Rule 19.15.29 NMAC.

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 personnel noted a historical spill had been reported on September 14, 2005 and needed to be addressed. The C-141 submitted to the NMOCD, incident number nPRS0525754883, stated minor stuffing box leaks on the wellhead and accumulated over the history of the well. Contaminated soil was removed and disposed of at a land farm and replaced with clean fill. The barrels (bbls) of crude oil and/or produced water was not estimated. The site map is presented in Appendix I.

Site Assessment

On January 5 and 24, 2023, upon client authorization, Talon mobilized personnel to the site to conduct an initial site assessment. 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 8015NM), 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 below.

Table 1
Soil Sample Laboratory Results

Matador Resources - Sheldon 15 Federal #001									
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	1/5/2023	0-6"	ND	ND	22.8	ND	ND	22.8	**724**
S-2	1/24/2023	0-6"	ND	ND	ND	147	ND	**147**	**1620**
S-3	1/24/2023	0-6"	ND	ND	ND	43.5	ND	43.5	**978**
S-4	1/24/2023	0-6"	ND	ND	25.1	ND	ND	25.1	16.9
S-5	1/24/2023	0-6"	ND	ND	21.7	ND	ND	21.7	13.3
S-6	1/24/2023	0-6"	ND	ND	ND	15.1	ND	15.1	70.7

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

Remedial Actions

- Representative soil samples were collected from the impacted area to establish data at the source area and horizontal delineation.
- Laboratory analysis confirms that NMOCD closure criteria for this site was exceeded in the near vicinity of the well head. However, samples collected away from the well head established horizontal delineation. Due to the location in close proximity to the operation well head and safety concerns, no remedial actions were performed.
- A final C-141 Form is attached in Appendix III.

Deferment Request

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

Respectfully submitted,

Talon/LPE

Kayla Taylor
Project Manager

David J. Adkins
Regional Manager

Attachments:

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

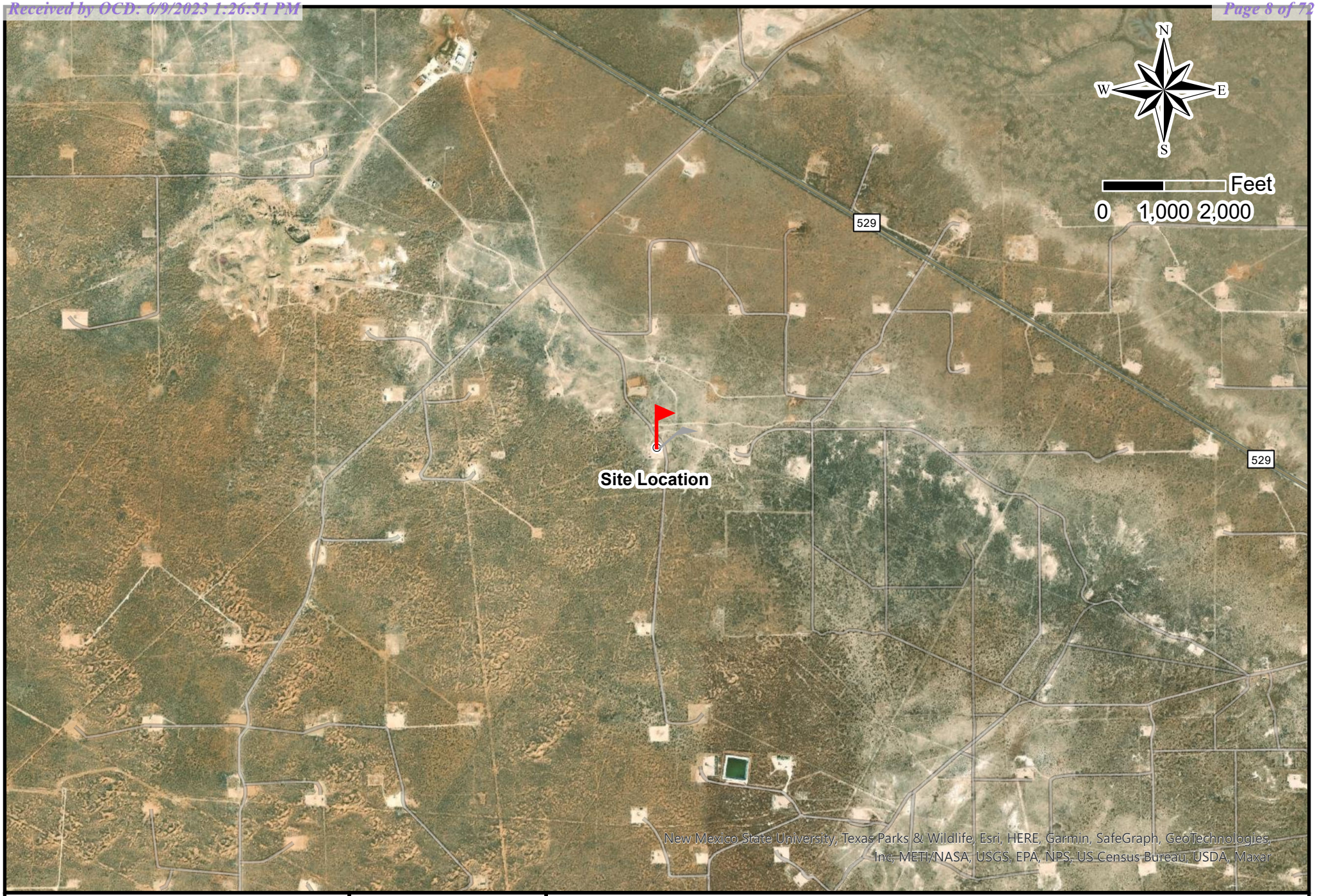
Appendix I

Site Maps

TALON LPE

Drafted: 2/24/2023
1 in = 20 ft
Drafted By: JAI

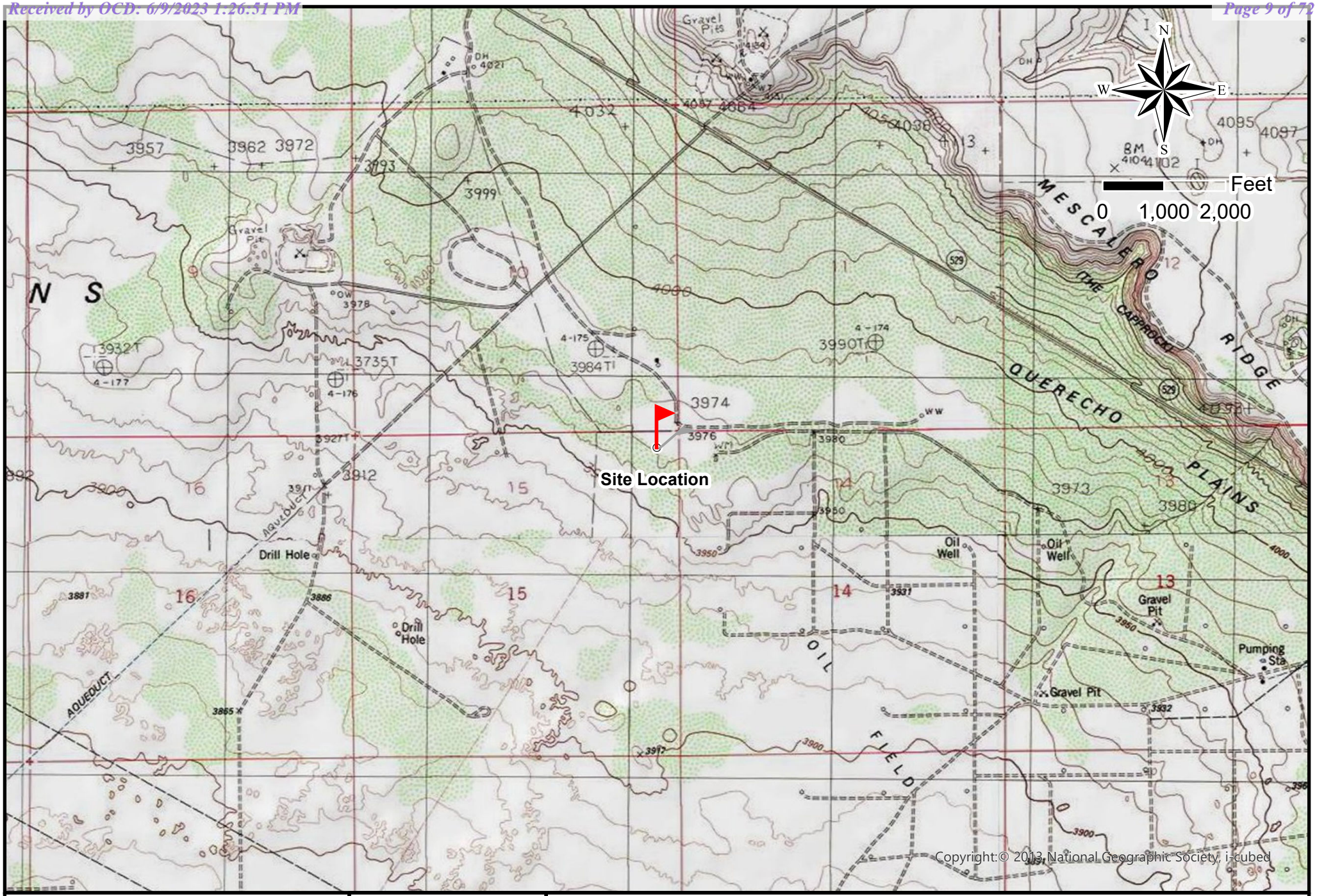
Matador Resources
Sheldon 15 Federal #001
Lea Country, New Mexico
Figure 1 - Site Assessment Map



TALON LPE

Drafted: 2/24/2023
1 in = 2,000 ft
Drafted By: JAI

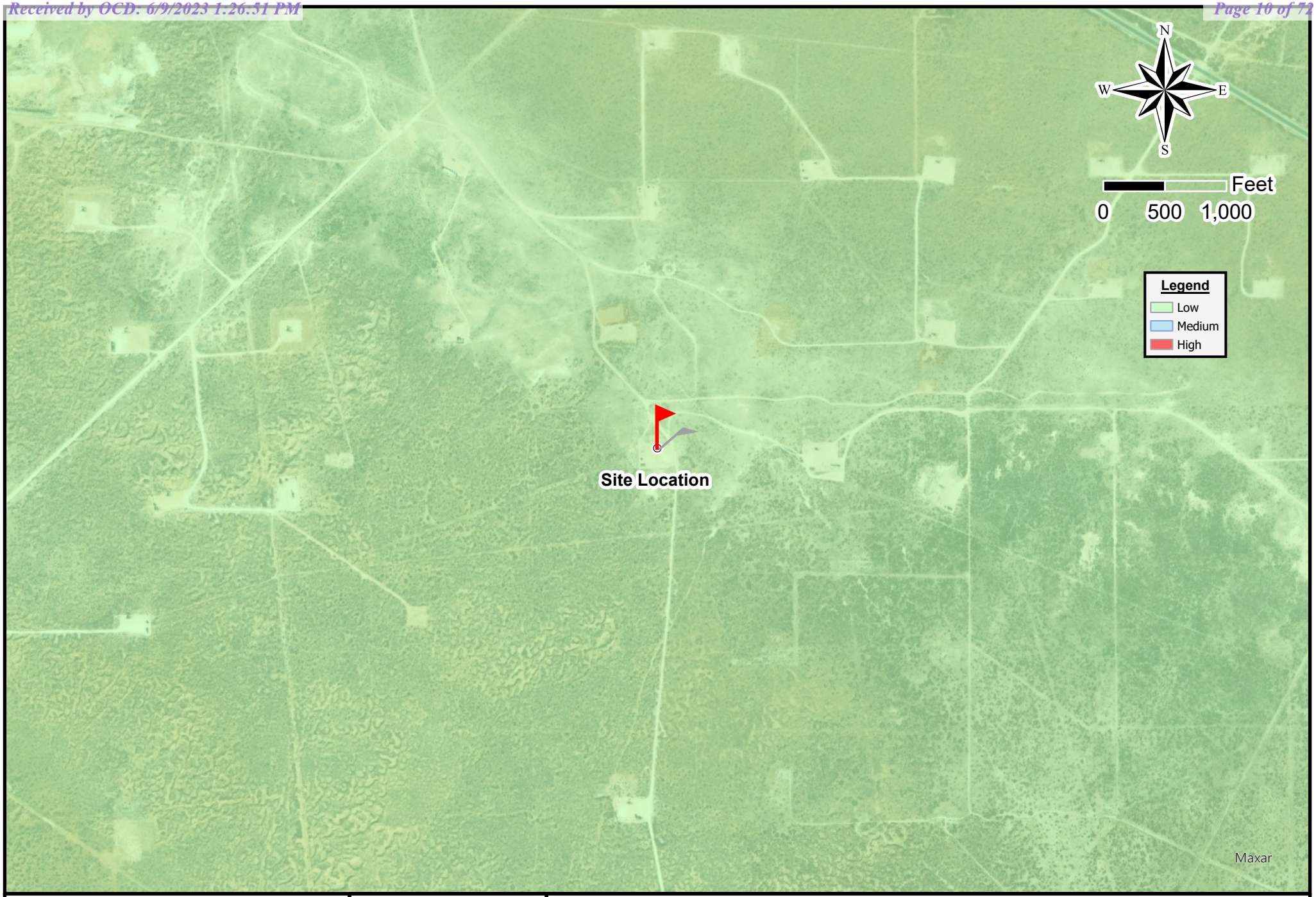
Matador Resources
Sheldon 15 Federal #001
Lea Country, New Mexico
Figure 2 - Site Location Map



TALON LPE

Drafted: 2/24/2023
1 in = 2,000 ft
Drafted By: JAI

Matador Resources
Sheldon 15 Federal #001
Lea Country, New Mexico
Figure 3 - Topographic Map



TALON LPE

Drafted: 2/24/2023
1 in = 1,000 ft
Drafted By: JAI

Matador Resources
Sheldon 15 Federal #001
Lea Country, New Mexico
Figure 4 - 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	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00072 POD3		CP	LE	2	4	4	10	18S	33E	627076	3625223*	409	70		
CP 00701 POD2		CP	LE	4	1	3	11	18S	33E	627472	3625433*	735	100		
CP 00701		CP	LE		1	3	11	18S	33E	627373	3625534*	779	100		
CP 01417 POD1		CP	LE				11	18S	33E	627036	3625738	925	120	54	66
CP 00072 POD1		CP	LE	2	3	4	11	18S	33E	628284	3625242*	1281	85		
CP 00072 POD5		CP	LE	2	1	4	11	18S	33E	628219	3625573	1373	100	64	36
CP 00072 POD2		CP	LE			4	11	18S	33E	628386	3625344	1413	90		
CP 00072 POD6		CP	LE	2	4	4	11	18S	33E	628603	3625179	1570	100	61	39
CP 00072 POD4		CP	LE	1	4	2	10	18S	33E	625948	3626028	1657	70		
CP 00546 POD1		CP	LE	2	2	4	09	18S	33E	625464	3625597*	1792	90	70	20
CP 00623 POD1		CP	LE	1	1	1	13	18S	33E	628895	3624852*	1819	82	60	22
L 08288		L	LE	3	3	3	12	18S	33E	628890	3625054*	1830	79	60	19
CP 00623 POD2		CP	LE	1	2	1	13	18S	33E	629243	3624542	2183	100		
C 04548 POD1		CUB	LE	1	2	1	01	26S	32E	628238	3622599	2500		110	
CP 00769 POD1		CP	LE	1	1	2	13	18S	33E	629699	3624866*	2623	115	70	45
L 04649		L	LE	1	1	3	03	18S	33E	625644	3627213*	2794	100	45	55

Average Depth to Water: **66 feet**
Minimum Depth: **45 feet**
Maximum Depth: **110 feet**

Record Count: 16

UTMNAD83 Radius Search (in meters):

Easting (X): 627075.91 **Northing (Y):** 3624813.1 **Radius:** 3000

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

Custom Soil Resource Report
Soil Map

MAP LEGEND

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

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

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

Water Features
- Streams and Canals

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

Background
- Aerial Photography

MAP INFORMATION

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

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

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

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

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

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

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

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

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

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

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

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
MN	Ratliff-Wink fine sandy loams	0.5	10.2%
RT	Reeves-Cottonwood association	4.4	89.8%
Totals for Area of Interest		**4.9**	**100.0%**

Map Unit Descriptions

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

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

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

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however,

onsite investigation is needed to define and locate the soils and miscellaneous areas.

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

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

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

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

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

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

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

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

Lea County, New Mexico

MN—Ratliff-Wink fine sandy loams

Map Unit Setting

National map unit symbol: dmqf
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: Farmland of statewide importance

Map Unit Composition

Ratliff and similar soils: 45 percent
Wink and similar soils: 40 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Ratliff

Setting

Landform: Plains
Landform position (three-dimensional): Dip
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Calcareous alluvium and/or calcareous eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 4 inches: fine sandy loam
Bw - 4 to 22 inches: clay loam
Bk - 22 to 60 inches: 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: 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 8.1 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 6c
Hydrologic Soil Group: B
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Description of Wink

Setting

Landform: Plains
Landform position (three-dimensional): Dip
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Calcareous sandy alluvium and/or calcareous sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 12 inches: fine sandy loam
Bk - 12 to 23 inches: sandy loam
BCk - 23 to 60 inches: sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
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: 30 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 4.7 inches)

Interpretive groups

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

Minor Components

Kermit

Percent of map unit: 6 percent
Ecological site: R070BC022NM - Sandhills
Hydric soil rating: No

Maljamar

Percent of map unit: 5 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Palomas

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

RT—Reeves-Cottonwood association

Map Unit Setting

National map unit symbol: dmqz
Elevation: 3,500 to 4,100 feet
Mean annual precipitation: 12 to 16 inches
Mean annual air temperature: 58 to 60 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

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

Description of Reeves

Setting

Landform: Playa rims, playa slopes
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from gypsum

Typical profile

A - 0 to 12 inches: loam
Bk - 12 to 16 inches: clay loam
Bky - 16 to 60 inches: gypsiferous material

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 (0.20 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 25 percent
Gypsum, maximum content: 80 percent
Maximum salinity: Very slightly saline to strongly saline (2.0 to 16.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Moderate (about 8.5 inches)

Interpretive groups

Land capability classification (irrigated): 4e

Land capability classification (nonirrigated): 7c
Hydrologic Soil Group: B
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Description of Cottonwood

Setting

Landform: Playa rims, playa slopes
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed residuum weathered from gypsum

Typical profile

A - 0 to 8 inches: loam
Cr - 8 to 60 inches: bedrock

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 3 to 12 inches to paralithic bedrock
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 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: 30 percent
Gypsum, maximum content: 80 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 1.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R070BB006NM - Gyp Upland
Hydric soil rating: No

Minor Components

Arch

Percent of map unit: 5 percent
Ecological site: R077CY035TX - Sandy 16-21" PZ
Hydric soil rating: No

Portales

Percent of map unit: 3 percent
Ecological site: R077CY028TX - Limy Upland 16-21" PZ
Hydric soil rating: No

Mansker

Percent of map unit: 2 percent
Ecological site: R077CY028TX - Limy Upland 16-21" PZ
Hydric soil rating: No

Appendix III

C-141 Forms

State of New Mexico
Oil Conservation Division

Incident ID	nPRS0525754883
District RP	
Facility ID	30-025-30031
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

Incident ID	nPRS0525754883
District RP	
Facility ID	30-025-30031
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: 6/9/2023

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

OCD Only

Received by: Jocelyn Harimon Date: 06/09/2023

State of New Mexico
Oil Conservation Division

Incident ID	nPRS0525754883
District RP	
Facility ID	30-025-30031
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled site map with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

- ☒ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☒ Extents of contamination must be fully delineated.
- ☒ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: 6/9/2023

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

OCD Only

Received by: Jocelyn Harimon Date: 06/09/2023

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: Nelson Velez Date: 09/12/2023

Appendix IV

Photographic Documentation

Sheldon 15 Federal #001
Lea County, New Mexico

Photograph No.1 Description:
View of wellhead and source area.

Photograph No.2 Description:
View of sampling area.

Appendix V

Laboratory Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kayla Taylor
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

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JOB DESCRIPTION

Sheldon 15
SDG NUMBER Lea County

JOB NUMBER

890-3782-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

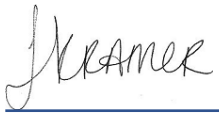
my EOL

Eurofins Carlsbad

Job Notes

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

Authorization



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

Client: Talon/LPE
Project/Site: Sheldon 15

Laboratory Job ID: 890-3782-1
SDG: Lea County

Table of Contents

Definitions/Glossary

Client: Talon/LPE
Project/Site: Sheldon 15

Job ID: 890-3782-1
SDG: Lea County

Qualifiers

GC VOA

Qualifier	Qualifier Description
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.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Talon/LPE
Project/Site: Sheldon 15

Job ID: 890-3782-1
SDG: Lea County

Job ID: 890-3782-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-3782-1

Receipt
The sample was received on 1/10/2023 8:30 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.0°C

Receipt Exceptions
The following sample was received and analyzed from an unpreserved bulk soil jar: S-1 (890-3782-1).

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): S-1 (890-3782-1). The container labels list <SAMPLE_ID>, while the COC lists <SAMPLEID>. The client was contacted, and the lab was instructed to <EXPLANATION_REQUIRED>.
890-3782 sample jar says 1-7-23 coc says 1-5-23

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (MB 880-43793/1-A) and (880-23434-A-41-F). Evidence of matrix interferences is not obvious.

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: Sheldon 15

Job ID: 890-3782-1
SDG: Lea County

Client Sample ID: S-1

Date Collected: 01/05/23 09:15
Date Received: 01/10/23 08:30
Sample Depth: 0 - 6

Lab Sample ID: 890-3782-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		01/11/23 12:26	01/14/23 03:16	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg		01/11/23 12:26	01/14/23 03:16	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		01/11/23 12:26	01/14/23 03:16	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg		01/11/23 12:26	01/14/23 03:16	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		01/11/23 12:26	01/14/23 03:16	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		01/11/23 12:26	01/14/23 03:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*01/11/23 12:26*	*01/14/23 03:16*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*01/11/23 12:26*	*01/14/23 03:16*	*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			01/16/23 16:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**22.8**	**J**	49.9	15.0	mg/Kg			01/16/23 16:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**22.8**	**J**	49.9	15.0	mg/Kg		01/12/23 09:26	01/13/23 23:52	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		01/12/23 09:26	01/13/23 23:52	1
OII Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		01/12/23 09:26	01/13/23 23:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*01/12/23 09:26*	*01/13/23 23:52*	*1*
o-Terphenyl	*123*		*70 - 130*	*01/12/23 09:26*	*01/13/23 23:52*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**724**		5.00	0.395	mg/Kg			01/14/23 04:06	1

Surrogate Summary

Client: Talon/LPE
Project/Site: Sheldon 15

Job ID: 890-3782-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)									
		BFB1	DFBZ1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
890-3782-1	S-1	115	95								
LCS 880-43732/1-A	Lab Control Sample	104	103								
LCSD 880-43732/2-A	Lab Control Sample Dup	90	94								
MB 880-43732/5-A	Method Blank	71	89								

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)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
890-3782-1	S-1	97	123								
LCS 880-43793/2-A	Lab Control Sample	107	128								
LCSD 880-43793/3-A	Lab Control Sample Dup	105	122								
MB 880-43793/1-A	Method Blank	142 S1+	174 S1+								

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Talon/LPE
Project/Site: Sheldon 15

Job ID: 890-3782-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-43732/5-A
Matrix: Solid
Analysis Batch: 43878

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43732

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		01/11/23 12:26	01/13/23 17:05	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		01/11/23 12:26	01/13/23 17:05	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		01/11/23 12:26	01/13/23 17:05	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		01/11/23 12:26	01/13/23 17:05	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		01/11/23 12:26	01/13/23 17:05	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		01/11/23 12:26	01/13/23 17:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*71*		*70 - 130*	*01/11/23 12:26*	*01/13/23 17:05*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*01/11/23 12:26*	*01/13/23 17:05*	*1*

Lab Sample ID: LCS 880-43732/1-A
Matrix: Solid
Analysis Batch: 43878

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43732

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1063		mg/Kg		106	70 - 130		
Toluene			0.100	0.1068		mg/Kg		107	70 - 130		
Ethylbenzene			0.100	0.1090		mg/Kg		109	70 - 130		
m-Xylene & p-Xylene			0.200	0.2280		mg/Kg		114	70 - 130		
o-Xylene			0.100	0.1083		mg/Kg		108	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 880-43732/2-A
Matrix: Solid
Analysis Batch: 43878

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43732

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08286		mg/Kg		83	70 - 130	25	35
Toluene			0.100	0.07825		mg/Kg		78	70 - 130	31	35
Ethylbenzene			0.100	0.08311		mg/Kg		83	70 - 130	27	35
m-Xylene & p-Xylene			0.200	0.1720		mg/Kg		86	70 - 130	28	35
o-Xylene			0.100	0.08557		mg/Kg		86	70 - 130	23	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

QC Sample Results

Client: Talon/LPE
Project/Site: Sheldon 15

Job ID: 890-3782-1
SDG: Lea County

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

Lab Sample ID: MB 880-43793/1-A
Matrix: Solid
Analysis Batch: 43852

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43793

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		01/12/23 09:26	01/13/23 19:51	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		01/12/23 09:26	01/13/23 19:51	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		01/12/23 09:26	01/13/23 19:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*142*	*S1+*	*70 - 130*	*01/12/23 09:26*	*01/13/23 19:51*	*1*
o-Terphenyl	*174*	*S1+*	*70 - 130*	*01/12/23 09:26*	*01/13/23 19:51*	*1*

Lab Sample ID: LCS 880-43793/2-A
Matrix: Solid
Analysis Batch: 43852

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43793

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	874.1		mg/Kg		87	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	940.7		mg/Kg		94	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*107*		*70 - 130*
o-Terphenyl	*128*		*70 - 130*

Lab Sample ID: LCSD 880-43793/3-A
Matrix: Solid
Analysis Batch: 43852

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43793

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	901.4		mg/Kg		90	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	960.9		mg/Kg		96	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*122*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-43825/1-A
Matrix: Solid
Analysis Batch: 43925

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			01/14/23 03:01	1

QC Sample Results

Client: Talon/LPE
Project/Site: Sheldon 15

Job ID: 890-3782-1
SDG: Lea County

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-43825/2-A
Matrix: Solid
Analysis Batch: 43925

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	254.6		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-43825/3-A
Matrix: Solid
Analysis Batch: 43925

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	252.0		mg/Kg		101	90 - 110	1	20

QC Association Summary

Client: Talon/LPE
Project/Site: Sheldon 15

Job ID: 890-3782-1
SDG: Lea County

GC VOA

Prep Batch: 43732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3782-1	S-1	Total/NA	Solid	5035	
MB 880-43732/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43732/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43732/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 43878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3782-1	S-1	Total/NA	Solid	8021B	43732
MB 880-43732/5-A	Method Blank	Total/NA	Solid	8021B	43732
LCS 880-43732/1-A	Lab Control Sample	Total/NA	Solid	8021B	43732
LCSD 880-43732/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	43732

Analysis Batch: 44093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3782-1	S-1	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 43793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3782-1	S-1	Total/NA	Solid	8015NM Prep	
MB 880-43793/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43793/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43793/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 43852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3782-1	S-1	Total/NA	Solid	8015B NM	43793
MB 880-43793/1-A	Method Blank	Total/NA	Solid	8015B NM	43793
LCS 880-43793/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43793
LCSD 880-43793/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43793

Analysis Batch: 44047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3782-1	S-1	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 43825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3782-1	S-1	Soluble	Solid	DI Leach	
MB 880-43825/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-43825/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-43825/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 43925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3782-1	S-1	Soluble	Solid	300.0	43825
MB 880-43825/1-A	Method Blank	Soluble	Solid	300.0	43825
LCS 880-43825/2-A	Lab Control Sample	Soluble	Solid	300.0	43825
LCSD 880-43825/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	43825

Lab Chronicle

Client: Talon/LPE
Project/Site: Sheldon 15

Job ID: 890-3782-1
SDG: Lea County

Client Sample ID: S-1

Date Collected: 01/05/23 09:15
Date Received: 01/10/23 08:30

Lab Sample ID: 890-3782-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	43732	01/11/23 12:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43878	01/14/23 03:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44093	01/16/23 16:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44047	01/16/23 16:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43793	01/12/23 09:26	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43852	01/13/23 23:52	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43825	01/12/23 14:05	KS	EET MID
Soluble	Analysis	300.0		1			43925	01/14/23 04:06	CH	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: Sheldon 15

Job ID: 890-3782-1
SDG: Lea County

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Talon/LPE
Project/Site: Sheldon 15

Job ID: 890-3782-1
SDG: Lea County

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	MCAWW	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

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

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

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: Sheldon 15

Job ID: 890-3782-1
SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3782-1	S-1	Solid	01/05/23 09:15	01/10/23 08:30	0 - 6

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 1 of 2

Project Manager:	Kayla Taylor	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:	ktaylor@talonlpe.com / nrose@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:	Sheldon15	Turn Around	☑ Routine ☐ Rush
Project Number:	702520.502.01	Due Date:	
Project Location:	lea county	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Nathan Rose		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	IWTh-007	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	21.2	
Total Containers:		Corrected Temperature:	21.0	

Pres. Code

Parameters

ANALYSIS REQUEST

890-3782 Chain of Custody

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	tph	CL	BTEX	Sample Comments
S-1	Soil	1-5-23	8:15 AM	0-6	Grab		x	x	x	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		1-10-23 830	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

www.xenco.com Page 1 of 2

Work Order No: _____

Project Manager:	Kayla Taylor	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:	ktaylor@talonlpe.com / nrose@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:	Sheldon15	Turn Around	☑ Routine ☐ Rush
Project Number:	702520.502.01	Due Date:	
Project Location:	lea county	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Nathan Rose		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	IWTH-007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	24.2	
Total Containers:		Corrected Temperature:	24.0	

ANALYSIS REQUEST

Pres. Code / Parameters: tph, CL, BTEX

890-3782 Chain of Custody

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2SO_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	tph	CL	BTEX	Sample Comments
S-1	Soil	1-5-23	9:15 AM	0-6	Grab		x	x	x	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		1-10-23 830	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-3782-1
SDG Number: Lea County

Login Number: 3782
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: 890-3782-1
SDG Number: Lea County

Login Number: 3782
List Number: 2
Creator: Teel, Brianna

List Source: Eurofins Midland
List Creation: 01/11/23 11:43 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Kayla Taylor
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Generated 2/5/2023 9:37:06 AM

JOB DESCRIPTION

Sheldon 15 Fed #1
SDG NUMBER 702520.052.01

JOB NUMBER

890-3951-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

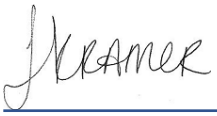
my EOL

Eurofins Carlsbad

Job Notes

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

Authorization



Generated
2/5/2023 9:37:06 AM

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

Client: Talon/LPE
Project/Site: Sheldon 15 Fed #1

Laboratory Job ID: 890-3951-1
SDG: 702520.052.01

Table of Contents

Definitions/Glossary

Client: Talon/LPE
Project/Site: Sheldon 15 Fed #1

Job ID: 890-3951-1
SDG: 702520.052.01

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
B	Compound was found in the blank and sample.
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
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Talon/LPE
Project/Site: Sheldon 15 Fed #1

Job ID: 890-3951-1
SDG: 702520.052.01

Job ID: 890-3951-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-3951-1

Receipt
The samples were received on 1/24/2023 1:07 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 4.6°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: S-2 (890-3951-1), S-3 (890-3951-2), S-4 (890-3951-3), S-5 (890-3951-4) and S-6 (890-3951-5).

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

GC Semi VOA
Method 8015MOD_NM: The method blank for preparation batch 880-45338 and analytical batch 880-45443 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-44971 and analytical batch 880-45041 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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: Sheldon 15 Fed #1

Job ID: 890-3951-1
SDG: 702520.052.01

Client Sample ID: S-2

Lab Sample ID: 890-3951-1
Matrix: Solid
Date Collected: 01/24/23 11:00
Date Received: 01/24/23 13:07
Sample Depth: 0-6'

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		02/03/23 10:58	02/04/23 01:23	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg		02/03/23 10:58	02/04/23 01:23	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		02/03/23 10:58	02/04/23 01:23	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg		02/03/23 10:58	02/04/23 01:23	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		02/03/23 10:58	02/04/23 01:23	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		02/03/23 10:58	02/04/23 01:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*02/03/23 10:58*	*02/04/23 01:23*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*02/03/23 10:58*	*02/04/23 01:23*	*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			02/04/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**147**		50.0	15.0	mg/Kg			02/05/23 09:31	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		02/03/23 09:29	02/05/23 01:18	1
Diesel Range Organics (Over C10-C28)	**147**		50.0	15.0	mg/Kg		02/03/23 09:29	02/05/23 01:18	1
OII Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		02/03/23 09:29	02/05/23 01:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*02/03/23 09:29*	*02/05/23 01:18*	*1*
o-Terphenyl	*92*		*70 - 130*	*02/03/23 09:29*	*02/05/23 01:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1620**		24.8	1.96	mg/Kg			01/30/23 12:21	5

Client Sample ID: S-3

Lab Sample ID: 890-3951-2
Matrix: Solid
Date Collected: 01/24/23 11:00
Date Received: 01/24/23 13:07
Sample Depth: 0-6'

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		02/03/23 10:58	02/04/23 01:43	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg		02/03/23 10:58	02/04/23 01:43	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		02/03/23 10:58	02/04/23 01:43	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg		02/03/23 10:58	02/04/23 01:43	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		02/03/23 10:58	02/04/23 01:43	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		02/03/23 10:58	02/04/23 01:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*02/03/23 10:58*	*02/04/23 01:43*	*1*

Eurofins Carlsbad

Client Sample Results

Client: Talon/LPE
Project/Site: Sheldon 15 Fed #1

Job ID: 890-3951-1
SDG: 702520.052.01

Client Sample ID: S-3

Date Collected: 01/24/23 11:00
Date Received: 01/24/23 13:07
Sample Depth: 0-6'

Lab Sample ID: 890-3951-2

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*02/03/23 10:58*	*02/04/23 01:43*	*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			02/04/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**43.5**	**J**	49.9	15.0	mg/Kg			02/05/23 09:31	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	49.9	15.0	mg/Kg		02/03/23 09:29	02/05/23 02:01	1
Diesel Range Organics (Over C10-C28)	**43.5**	**J**	49.9	15.0	mg/Kg		02/03/23 09:29	02/05/23 02:01	1
OII Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		02/03/23 09:29	02/05/23 02:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*02/03/23 09:29*	*02/05/23 02:01*	*1*
o-Terphenyl	*82*		*70 - 130*	*02/03/23 09:29*	*02/05/23 02:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**978**	**F1**	4.98	0.393	mg/Kg			01/30/23 12:14	1

Client Sample ID: S-4

Date Collected: 01/24/23 11:00
Date Received: 01/24/23 13:07
Sample Depth: 0-6'

Lab Sample ID: 890-3951-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		02/03/23 10:58	02/04/23 03:46	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg		02/03/23 10:58	02/04/23 03:46	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		02/03/23 10:58	02/04/23 03:46	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg		02/03/23 10:58	02/04/23 03:46	1
o-Xylene	**0.000789**	**J**	0.00199	0.000342	mg/Kg		02/03/23 10:58	02/04/23 03:46	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		02/03/23 10:58	02/04/23 03:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*02/03/23 10:58*	*02/04/23 03:46*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*02/03/23 10:58*	*02/04/23 03:46*	*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			02/04/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**25.1**	**J**	49.9	15.0	mg/Kg			02/05/23 09:31	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Sheldon 15 Fed #1

Job ID: 890-3951-1
SDG: 702520.052.01

Client Sample ID: S-4

Lab Sample ID: 890-3951-3
Matrix: Solid
Date Collected: 01/24/23 11:00
Date Received: 01/24/23 13:07
Sample Depth: 0-6'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	25.1	J B	49.9	15.0	mg/Kg		02/03/23 09:29	02/05/23 02:22	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		02/03/23 09:29	02/05/23 02:22	1
OII Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		02/03/23 09:29	02/05/23 02:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*02/03/23 09:29*	*02/05/23 02:22*	*1*
o-Terphenyl	*82*		*70 - 130*	*02/03/23 09:29*	*02/05/23 02:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.9		4.96	0.392	mg/Kg			01/30/23 12:28	1

Client Sample ID: S-5

Lab Sample ID: 890-3951-4
Matrix: Solid
Date Collected: 01/24/23 11:00
Date Received: 01/24/23 13:07
Sample Depth: 0-6'

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		02/03/23 10:58	02/04/23 04:07	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg		02/03/23 10:58	02/04/23 04:07	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		02/03/23 10:58	02/04/23 04:07	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg		02/03/23 10:58	02/04/23 04:07	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		02/03/23 10:58	02/04/23 04:07	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		02/03/23 10:58	02/04/23 04:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*02/03/23 10:58*	*02/04/23 04:07*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*02/03/23 10:58*	*02/04/23 04:07*	*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			02/04/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	21.7	J	49.9	15.0	mg/Kg			02/05/23 09:31	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	21.7	J B	49.9	15.0	mg/Kg		02/03/23 09:29	02/05/23 02:44	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		02/03/23 09:29	02/05/23 02:44	1
OII Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		02/03/23 09:29	02/05/23 02:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*02/03/23 09:29*	*02/05/23 02:44*	*1*
o-Terphenyl	*79*		*70 - 130*	*02/03/23 09:29*	*02/05/23 02:44*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: Sheldon 15 Fed #1

Job ID: 890-3951-1
SDG: 702520.052.01

Client Sample ID: S-5

Lab Sample ID: 890-3951-4
Matrix: Solid
Date Collected: 01/24/23 11:00
Date Received: 01/24/23 13:07
Sample Depth: 0-6'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.3**		5.00	0.395	mg/Kg			01/30/23 12:33	1

Client Sample ID: S-6

Lab Sample ID: 890-3951-5
Matrix: Solid
Date Collected: 01/24/23 11:00
Date Received: 01/24/23 13:07
Sample Depth: 0-6'

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		02/03/23 10:58	02/04/23 04:27	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		02/03/23 10:58	02/04/23 04:27	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		02/03/23 10:58	02/04/23 04:27	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		02/03/23 10:58	02/04/23 04:27	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		02/03/23 10:58	02/04/23 04:27	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		02/03/23 10:58	02/04/23 04:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*02/03/23 10:58*	*02/04/23 04:27*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*02/03/23 10:58*	*02/04/23 04:27*	*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			02/04/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**15.1**	**J**	49.9	15.0	mg/Kg			02/05/23 09:31	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	49.9	15.0	mg/Kg		02/03/23 09:29	02/05/23 03:05	1
Diesel Range Organics (Over C10-C28)	**15.1**	**J**	49.9	15.0	mg/Kg		02/03/23 09:29	02/05/23 03:05	1
OII Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		02/03/23 09:29	02/05/23 03:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*02/03/23 09:29*	*02/05/23 03:05*	*1*
o-Terphenyl	*88*		*70 - 130*	*02/03/23 09:29*	*02/05/23 03:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**70.7**		4.99	0.394	mg/Kg			01/30/23 12:38	1

Surrogate Summary

Client: Talon/LPE
Project/Site: Sheldon 15 Fed #1

Job ID: 890-3951-1
SDG: 702520.052.01

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-3951-1	S-2	83	85
890-3951-2	S-3	83	91
890-3951-3	S-4	84	97
890-3951-4	S-5	115	87
890-3951-5	S-6	116	76
LCS 880-45356/1-A	Lab Control Sample	113	98
LCSD 880-45356/2-A	Lab Control Sample Dup	122	79
MB 880-45339/5-A	Method Blank	75	93
MB 880-45356/5-A	Method Blank	74	95

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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-3951-1	S-2	96	92
890-3951-2	S-3	87	82
890-3951-3	S-4	85	82
890-3951-4	S-5	82	79
890-3951-5	S-6	96	88
LCS 880-45338/2-A	Lab Control Sample	115	99
LCSD 880-45338/3-A	Lab Control Sample Dup	114	98
MB 880-45338/1-A	Method Blank	109	108

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Talon/LPE
Project/Site: Sheldon 15 Fed #1

Job ID: 890-3951-1
SDG: 702520.052.01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-45339/5-A
Matrix: Solid
Analysis Batch: 45309

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45339

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		02/03/23 09:50	02/03/23 12:24	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		02/03/23 09:50	02/03/23 12:24	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		02/03/23 09:50	02/03/23 12:24	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		02/03/23 09:50	02/03/23 12:24	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		02/03/23 09:50	02/03/23 12:24	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		02/03/23 09:50	02/03/23 12:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*70 - 130*	*02/03/23 09:50*	*02/03/23 12:24*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*02/03/23 09:50*	*02/03/23 12:24*	*1*

Lab Sample ID: MB 880-45356/5-A
Matrix: Solid
Analysis Batch: 45309

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45356

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		02/03/23 10:58	02/03/23 22:58	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		02/03/23 10:58	02/03/23 22:58	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		02/03/23 10:58	02/03/23 22:58	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		02/03/23 10:58	02/03/23 22:58	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		02/03/23 10:58	02/03/23 22:58	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		02/03/23 10:58	02/03/23 22:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*70 - 130*	*02/03/23 10:58*	*02/03/23 22:58*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*02/03/23 10:58*	*02/03/23 22:58*	*1*

Lab Sample ID: LCS 880-45356/1-A
Matrix: Solid
Analysis Batch: 45309

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 45356

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09651		mg/Kg		97	70 - 130
Toluene	0.100	0.09930		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1043		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	0.200	0.2233		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1177		mg/Kg		118	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 880-45356/2-A
Matrix: Solid
Analysis Batch: 45309

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 45356

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09073		mg/Kg		91	70 - 130	6	35

QC Sample Results

Client: Talon/LPE
Project/Site: Sheldon 15 Fed #1

Job ID: 890-3951-1
SDG: 702520.052.01

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

Lab Sample ID: LCSD 880-45356/2-A
Matrix: Solid
Analysis Batch: 45309

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 45356

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1048		mg/Kg		105	70 - 130	5	35
Ethylbenzene			0.100	0.1139		mg/Kg		114	70 - 130	9	35
m-Xylene & p-Xylene			0.200	0.2504		mg/Kg		125	70 - 130	11	35
o-Xylene			0.100	0.1227		mg/Kg		123	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*

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

Lab Sample ID: MB 880-45338/1-A
Matrix: Solid
Analysis Batch: 45443

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45338

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	19.33	J	49.9	15.0	mg/Kg		02/03/23 09:29	02/04/23 20:13	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		02/03/23 09:29	02/04/23 20:13	1
OII Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		02/03/23 09:29	02/04/23 20:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*02/03/23 09:29*	*02/04/23 20:13*	*1*
o-Terphenyl	*108*		*70 - 130*	*02/03/23 09:29*	*02/04/23 20:13*	*1*

Lab Sample ID: LCS 880-45338/2-A
Matrix: Solid
Analysis Batch: 45443

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 45338

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			999	970.1		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)			999	939.7		mg/Kg		94	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*115*		*70 - 130*
o-Terphenyl	*99*		*70 - 130*

Lab Sample ID: LCSD 880-45338/3-A
Matrix: Solid
Analysis Batch: 45443

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 45338

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			999	874.8		mg/Kg		88	70 - 130	10	20
Diesel Range Organics (Over C10-C28)			999	931.5		mg/Kg		93	70 - 130	1	20

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QC Sample Results

Client: Talon/LPE
Project/Site: Sheldon 15 Fed #1

Job ID: 890-3951-1
SDG: 702520.052.01

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

Lab Sample ID: LCSD 880-45338/3-A
Matrix: Solid
Analysis Batch: 45443

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 45338

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	98		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-44970/1-A
Matrix: Solid
Analysis Batch: 45040

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			01/30/23 09:16	1

Lab Sample ID: LCS 880-44970/2-A
Matrix: Solid
Analysis Batch: 45040

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	253.2		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-44970/3-A
Matrix: Solid
Analysis Batch: 45040

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	253.6		mg/Kg		101	90 - 110	0	20

Lab Sample ID: MB 880-44971/1-A
Matrix: Solid
Analysis Batch: 45041

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			01/30/23 11:59	1

Lab Sample ID: LCS 880-44971/2-A
Matrix: Solid
Analysis Batch: 45041

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	257.6		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-44971/3-A
Matrix: Solid
Analysis Batch: 45041

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	256.8		mg/Kg		103	90 - 110	0	20

QC Sample Results

Client: Talon/LPE
Project/Site: Sheldon 15 Fed #1

Job ID: 890-3951-1
SDG: 702520.052.01

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-3951-2 MS
Matrix: Solid
Analysis Batch: 45041

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	978	F1	249	1198	F1	mg/Kg		88	90 - 110		

Lab Sample ID: 890-3951-2 MSD
Matrix: Solid
Analysis Batch: 45041

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	978	F1	249	1197	F1	mg/Kg		88	90 - 110	0	20

QC Association Summary

Client: Talon/LPE
Project/Site: Sheldon 15 Fed #1

Job ID: 890-3951-1
SDG: 702520.052.01

GC VOA

Analysis Batch: 45309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3951-1	S-2	Total/NA	Solid	8021B	45356
890-3951-2	S-3	Total/NA	Solid	8021B	45356
890-3951-3	S-4	Total/NA	Solid	8021B	45356
890-3951-4	S-5	Total/NA	Solid	8021B	45356
890-3951-5	S-6	Total/NA	Solid	8021B	45356
MB 880-45339/5-A	Method Blank	Total/NA	Solid	8021B	45339
MB 880-45356/5-A	Method Blank	Total/NA	Solid	8021B	45356
LCS 880-45356/1-A	Lab Control Sample	Total/NA	Solid	8021B	45356
LCSD 880-45356/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	45356

Prep Batch: 45339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-45339/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 45356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3951-1	S-2	Total/NA	Solid	5035	
890-3951-2	S-3	Total/NA	Solid	5035	
890-3951-3	S-4	Total/NA	Solid	5035	
890-3951-4	S-5	Total/NA	Solid	5035	
890-3951-5	S-6	Total/NA	Solid	5035	
MB 880-45356/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-45356/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-45356/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 45472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3951-1	S-2	Total/NA	Solid	Total BTEX	
890-3951-2	S-3	Total/NA	Solid	Total BTEX	
890-3951-3	S-4	Total/NA	Solid	Total BTEX	
890-3951-4	S-5	Total/NA	Solid	Total BTEX	
890-3951-5	S-6	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 45338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3951-1	S-2	Total/NA	Solid	8015NM Prep	
890-3951-2	S-3	Total/NA	Solid	8015NM Prep	
890-3951-3	S-4	Total/NA	Solid	8015NM Prep	
890-3951-4	S-5	Total/NA	Solid	8015NM Prep	
890-3951-5	S-6	Total/NA	Solid	8015NM Prep	
MB 880-45338/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-45338/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-45338/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 45443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3951-1	S-2	Total/NA	Solid	8015B NM	45338
890-3951-2	S-3	Total/NA	Solid	8015B NM	45338
890-3951-3	S-4	Total/NA	Solid	8015B NM	45338

QC Association Summary

Client: Talon/LPE
Project/Site: Sheldon 15 Fed #1

Job ID: 890-3951-1
SDG: 702520.052.01

GC Semi VOA (Continued)

Analysis Batch: 45443 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3951-4	S-5	Total/NA	Solid	8015B NM	45338
890-3951-5	S-6	Total/NA	Solid	8015B NM	45338
MB 880-45338/1-A	Method Blank	Total/NA	Solid	8015B NM	45338
LCS 880-45338/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	45338
LCSD 880-45338/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	45338

Analysis Batch: 45507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3951-1	S-2	Total/NA	Solid	8015 NM	
890-3951-2	S-3	Total/NA	Solid	8015 NM	
890-3951-3	S-4	Total/NA	Solid	8015 NM	
890-3951-4	S-5	Total/NA	Solid	8015 NM	
890-3951-5	S-6	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 44970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3951-1	S-2	Soluble	Solid	DI Leach	
MB 880-44970/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-44970/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-44970/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 44971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3951-2	S-3	Soluble	Solid	DI Leach	
890-3951-3	S-4	Soluble	Solid	DI Leach	
890-3951-4	S-5	Soluble	Solid	DI Leach	
890-3951-5	S-6	Soluble	Solid	DI Leach	
MB 880-44971/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-44971/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-44971/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3951-2 MS	S-3	Soluble	Solid	DI Leach	
890-3951-2 MSD	S-3	Soluble	Solid	DI Leach	

Analysis Batch: 45040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3951-1	S-2	Soluble	Solid	300.0	44970
MB 880-44970/1-A	Method Blank	Soluble	Solid	300.0	44970
LCS 880-44970/2-A	Lab Control Sample	Soluble	Solid	300.0	44970
LCSD 880-44970/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	44970

Analysis Batch: 45041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3951-2	S-3	Soluble	Solid	300.0	44971
890-3951-3	S-4	Soluble	Solid	300.0	44971
890-3951-4	S-5	Soluble	Solid	300.0	44971
890-3951-5	S-6	Soluble	Solid	300.0	44971
MB 880-44971/1-A	Method Blank	Soluble	Solid	300.0	44971
LCS 880-44971/2-A	Lab Control Sample	Soluble	Solid	300.0	44971
LCSD 880-44971/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	44971

QC Association Summary

Client: Talon/LPE
Project/Site: Sheldon 15 Fed #1

Job ID: 890-3951-1
SDG: 702520.052.01

HPLC/IC (Continued)

Analysis Batch: 45041 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3951-2 MS	S-3	Soluble	Solid	300.0	44971
890-3951-2 MSD	S-3	Soluble	Solid	300.0	44971

Lab Chronicle

Client: Talon/LPE
Project/Site: Sheldon 15 Fed #1

Job ID: 890-3951-1
SDG: 702520.052.01

Client Sample ID: S-2
Date Collected: 01/24/23 11:00
Date Received: 01/24/23 13:07

Lab Sample ID: 890-3951-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	45356	02/03/23 10:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45309	02/04/23 01:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45472	02/04/23 10:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45507	02/05/23 09:31	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45338	02/03/23 09:29	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45443	02/05/23 01:18	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	44970	01/29/23 17:45	KS	EET MID
Soluble	Analysis	300.0		5			45040	01/30/23 12:21	CH	EET MID

Client Sample ID: S-3
Date Collected: 01/24/23 11:00
Date Received: 01/24/23 13:07

Lab Sample ID: 890-3951-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	45356	02/03/23 10:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45309	02/04/23 01:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45472	02/04/23 10:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45507	02/05/23 09:31	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45338	02/03/23 09:29	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45443	02/05/23 02:01	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	44971	01/29/23 17:46	KS	EET MID
Soluble	Analysis	300.0		1			45041	01/30/23 12:14	CH	EET MID

Client Sample ID: S-4
Date Collected: 01/24/23 11:00
Date Received: 01/24/23 13:07

Lab Sample ID: 890-3951-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	45356	02/03/23 10:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45309	02/04/23 03:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45472	02/04/23 10:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45507	02/05/23 09:31	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45338	02/03/23 09:29	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45443	02/05/23 02:22	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	44971	01/29/23 17:46	KS	EET MID
Soluble	Analysis	300.0		1			45041	01/30/23 12:28	CH	EET MID

Client Sample ID: S-5
Date Collected: 01/24/23 11:00
Date Received: 01/24/23 13:07

Lab Sample ID: 890-3951-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	45356	02/03/23 10:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45309	02/04/23 04:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45472	02/04/23 10:12	AJ	EET MID

Lab Chronicle

Client: Talon/LPE
Project/Site: Sheldon 15 Fed #1

Job ID: 890-3951-1
SDG: 702520.052.01

Client Sample ID: S-5

Lab Sample ID: 890-3951-4
Date Collected: 01/24/23 11:00
Matrix: Solid
Date Received: 01/24/23 13:07

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			45507	02/05/23 09:31	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45338	02/03/23 09:29	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45443	02/05/23 02:44	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44971	01/29/23 17:46	KS	EET MID
Soluble	Analysis	300.0		1			45041	01/30/23 12:33	CH	EET MID

Client Sample ID: S-6

Lab Sample ID: 890-3951-5
Date Collected: 01/24/23 11:00
Matrix: Solid
Date Received: 01/24/23 13:07

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	45356	02/03/23 10:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45309	02/04/23 04:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45472	02/04/23 10:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45507	02/05/23 09:31	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45338	02/03/23 09:29	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45443	02/05/23 03:05	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	44971	01/29/23 17:46	KS	EET MID
Soluble	Analysis	300.0		1			45041	01/30/23 12:38	CH	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: Sheldon 15 Fed #1

Job ID: 890-3951-1
SDG: 702520.052.01

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Talon/LPE
Project/Site: Sheldon 15 Fed #1

Job ID: 890-3951-1
SDG: 702520.052.01

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: Sheldon 15 Fed #1

Job ID: 890-3951-1
SDG: 702520.052.01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3951-1	S-2	Solid	01/24/23 11:00	01/24/23 13:07	0-6'
890-3951-2	S-3	Solid	01/24/23 11:00	01/24/23 13:07	0-6'
890-3951-3	S-4	Solid	01/24/23 11:00	01/24/23 13:07	0-6'
890-3951-4	S-5	Solid	01/24/23 11:00	01/24/23 13:07	0-6'
890-3951-5	S-6	Solid	01/24/23 11:00	01/24/23 13:07	0-6'

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

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Project Manager:	K. Taylor	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:	ktaylor@talonlpe.com, nrose@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:	Sheldon 15 Fed #1	Turn Around	☒ Routine ☐ Rush
Project Number:	702520.052.01	Due Date:	
Project Location:	Lea County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	N. Rose		
PO #:	N/A		

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	IR-007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	4.8
Total Containers:		Corrected Temperature:	4.6

ANALYSIS REQUEST

Pres. Code | Parameters: CL, TPH, BTEX

890-3951 Chain of Custody

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	CL	TPH	BTEX	Sample Comments
	Soil	1/24/2023			Grab	1	X	X	X	
S-2			11:	0-6"						
S-3			11:							
S-4			11:							
S-5			11:							
S-6			11:							

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Amanda Stuff	1-24-23 1307	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-3951-1
SDG Number: 702520.052.01

Login Number: 3951
List Number: 1
Creator: Stutzman, Amanda

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	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: 890-3951-1
SDG Number: 702520.052.01

Login Number: 3951
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 01/25/23 12:13 PM

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	

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

CONDITIONS

Action 225969

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 225969
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Deferral request approved. Remediation Due date left open until the site has been plugged and abandoned.	9/12/2023