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TALON LPE

Closure Report

Cooper 3 #006
Lea County, New Mexico
API ID # 30-025-35204
Incident # nPAC0734734930

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

August 9, 2023

NMOCD
506 W. Texas Ave
Artesia, NM 88210

Subject: **Closure Report**
Cooper 3 #006
Lea County, New Mexico
API # 30-025-35204
Incident # nPAC0734734930

To Whom It May Concern,

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

Site Information

The Cooper 3 #006 is located approximately eight miles southwest of Hobbs, New Mexico. The legal location for this release is Unit Letter B, Section 03, Township 20 South and Range 37 East in Lea County, New Mexico. More specifically the latitude and longitude for the release are 32.608223 and -103.2363205. 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 45 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	**45 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 December 13, 2007 and needed to be addressed. The C-141 submitted to the NMOCD, incident number nPAC0734734930, stated a hole was noted in the heater treater, resulting in the release of seven (7) barrels (bbls) of crude oil was released to the site and five (5) bbls were recovered. The site map is presented in Appendix I.

Site Assessment

On Janurary 10th, 2023, Talon personnel mobilized to the site to conduct an initial site assessment of the area where the former heater treater resided. The impacted area was photographed, sampled utilizing a hand auger, and mapped. All soil samples were properly packaged, preserved, and transported to Eurofins laboratories with the chain of custody for analysis of Total Chlorides (Method SM4500Cl-B), TPH (EPA Method 8015M), and volatile organics (BTEX, EPA Method 8021B). Sample locations are shown on the attached Figure 2 (Appendix I) and the results of our sampling event are presented on the following data table.

Table 1
Intial Site Assessment

Cooer 3 # 006									
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	1/10/2023	1’	ND	ND	25.5	173	ND	198.5	13.3
	1/10/2023	2’	ND	ND	18.7	110	ND	128.7	20.9
	1/10/2023	3’	ND	ND	19.9	81.4	ND	101.3	93.2
S-2	1/10/2023	1’	ND	ND	17	119	ND	136	55.7
S-3	1/10/2023	1’	ND	ND	17.9	123	ND	140.9	104
	1/10/2023	2’	ND	ND	44	ND	ND	44	17.4
	1/10/2023	2.5’	ND	ND	41.7	131	ND	172.7	13.1
S-4	1/10/2023	1’	ND	ND	27.4	52.1	ND	79.5	107
S-5	1/10/2023	1’	ND	ND	ND	39.9	ND	39.9	19

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
C	Confirmation Sample
SW	Sidewall Sample
TT	Test Trench
R	Refusal
ND	Analyte Not Detected
NT	Analyte Not Tested

Highlighted cells indicate exceedance of NMOCD Table 1 Closure Criteria

Remediation Activities

On June 22, 2023, Talon personnel returned to location to remove impacted soils located around suspected historical release area in pasture. Backhoe was used to excavate 3 feet bgs. of contaminated soils and composite samples were taken at this point. The samples were transported with the chain of custody to Cardinal Laboratories, for analysis of Total Chlorides (SM4500Cl-B), Total Petroleum Hydrocarbons (TPH, EPA Method 8015M) and Volatile Organics (BTEX, EPA Method 8021B).

On June 28, 2023, Talon personnel returned to location to remove an additional impacted soils located around C-1, SW-1, and SW-2. Composite samples were taken and were transported with the chain of custody to Cardinal Laboratories, for analysis of Total Chlorides (SM4500Cl-B), Total Petroleum Hydrocarbons (TPH, EPA Method 8015M) and Volatile Organics (BTEX, EPA Method 8021B).

On July 12, 2023, Talon personnel returned to location to remove an additional impacted soils located around SW-1 and returned also on the 28 to collect samples at C-2 and C-3. Composite samples were taken and were transported with the chain of custody to Cardinal Laboratories, for analysis of Total Chlorides (SM4500Cl-B), Total Petroleum Hydrocarbons (TPH, EPA Method 8015M) and Volatile Organics (BTEX, EPA Method 8021B).

The soil sample results from the laboratory analytical are summarized in the data table below. Sample locations are illustrated on Figure 2 in Appendix I and complete laboratory analytical reports are presented in Appendix V.

Cooper 3 #006									
Sample ID	Sample Date	Depth (BGS)	Benzene mg/kg	BTEX mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			10 mg/kg	50 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
C-1	6/22/23	3'	ND	ND	ND	120	125	245	112
	6/28/23	4'	ND	ND	ND	ND	ND	0	224
C-2	6/22/23	3'	ND	ND	ND	75	84	159	192
	7/28/23	4'	ND	ND	ND	ND	ND	0	64
C-3	6/22/23	3'	ND	ND	ND	49	51	100	256
	7/28/23	4'	ND	ND	ND	ND	ND	0	64
SW-1	6/22/23		ND	ND	ND	16	21	37	112
	6/28/23		ND	ND	ND	283	258	541	96
	7/12/23		ND	ND	ND	ND	ND	0	112
SW-2	6/22/23		ND	ND	ND	250	155	405	240
	6/28/23		ND	ND	ND	18.4	24.5	42.9	176
SW-3	6/22/23		ND	ND	ND	27	29	56	240
SW-4	6/22/23		ND	ND	ND	18	24	42	80

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
C	Confirmation Sample
SW	Sidewall Sample
TT	Test Trench
R	Refusal
ND	Analyte Not Detected
NT	Analyte Not Tested

Highlighted cells indicate exceedance of NMOCD Table 1 Closure Criteria

Remedial Action Summary

- The impacted areas on pasture were excavated to depth of 4 feet bgs. Talon field titrated soil samples for total chlorides to guide the vertical and horizontal extents of the excavation process.

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

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

- Photographic documentation is provided in Appendix IV.

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

Closure

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

Respectfully submitted,

Talon/LPE

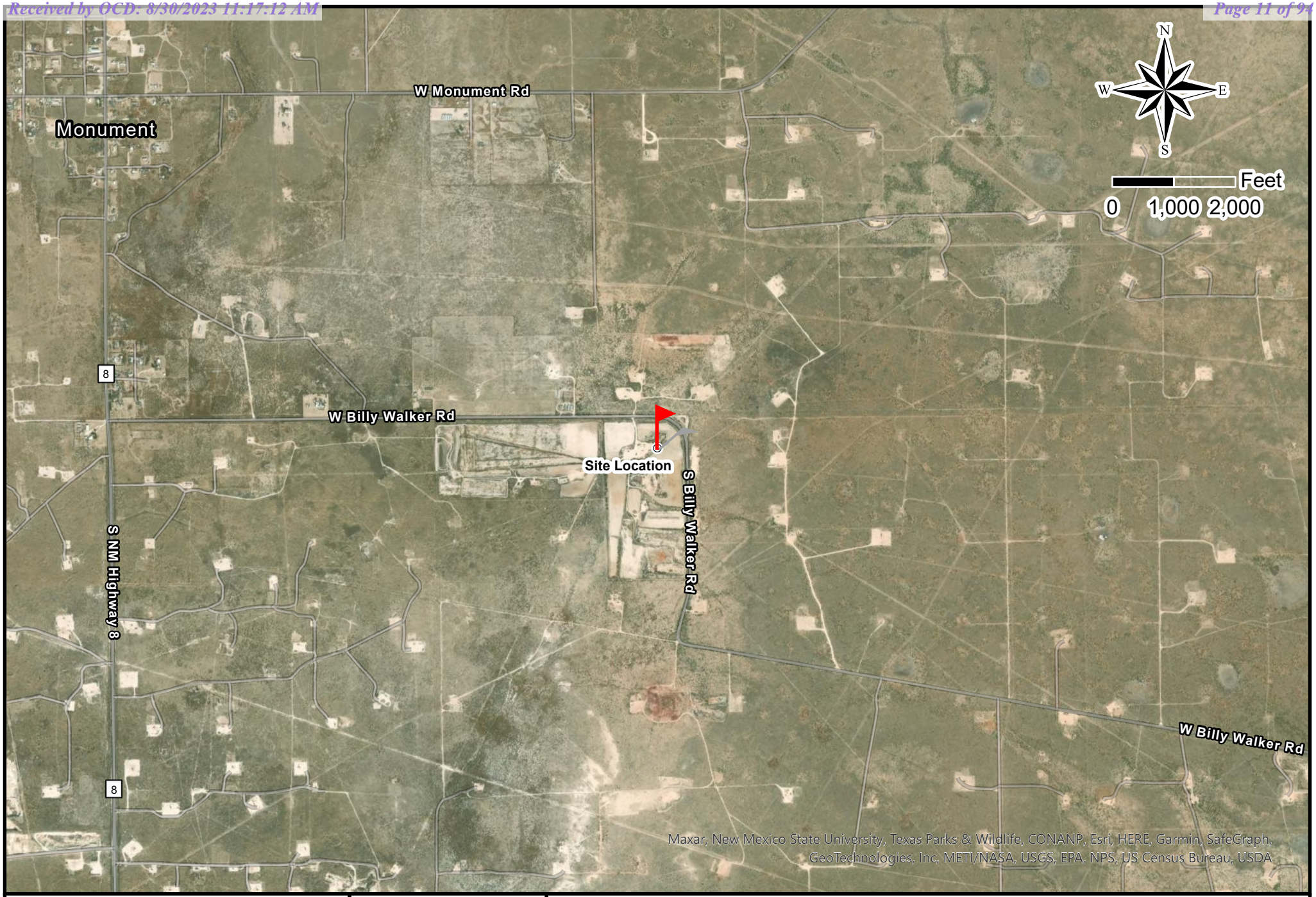
Chad Hensley
Project Manager

Attachments:

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

Appendix I

Site Maps



TALON LPE

Drafted: 8/2/2023
1 in = 2,000 ft
Drafted By: IJR

Matador Resources
Cooper 3 #006
Eddy County. NM
Location Map

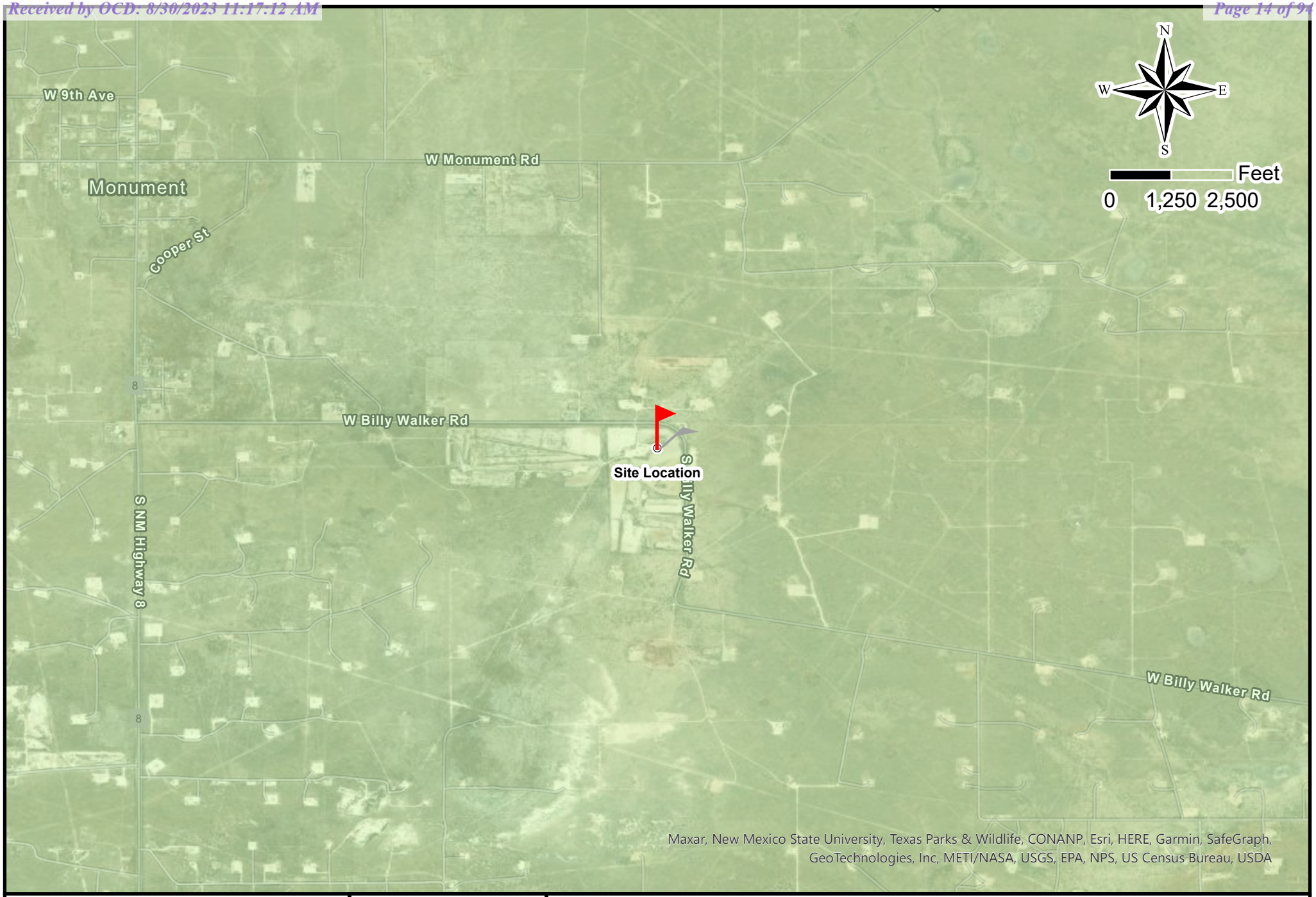
TALON LPE	Drafted: 8/2/2023 1 in = 20 ft Drafted By: IJR	Figure 1 Matador Resources Cooper 3 #006 Eddy County. NM Assessment Map

TALON LPE

Drafted: 8/2/2023
1 in = 20 ft
Drafted By: IJR

Figure 2

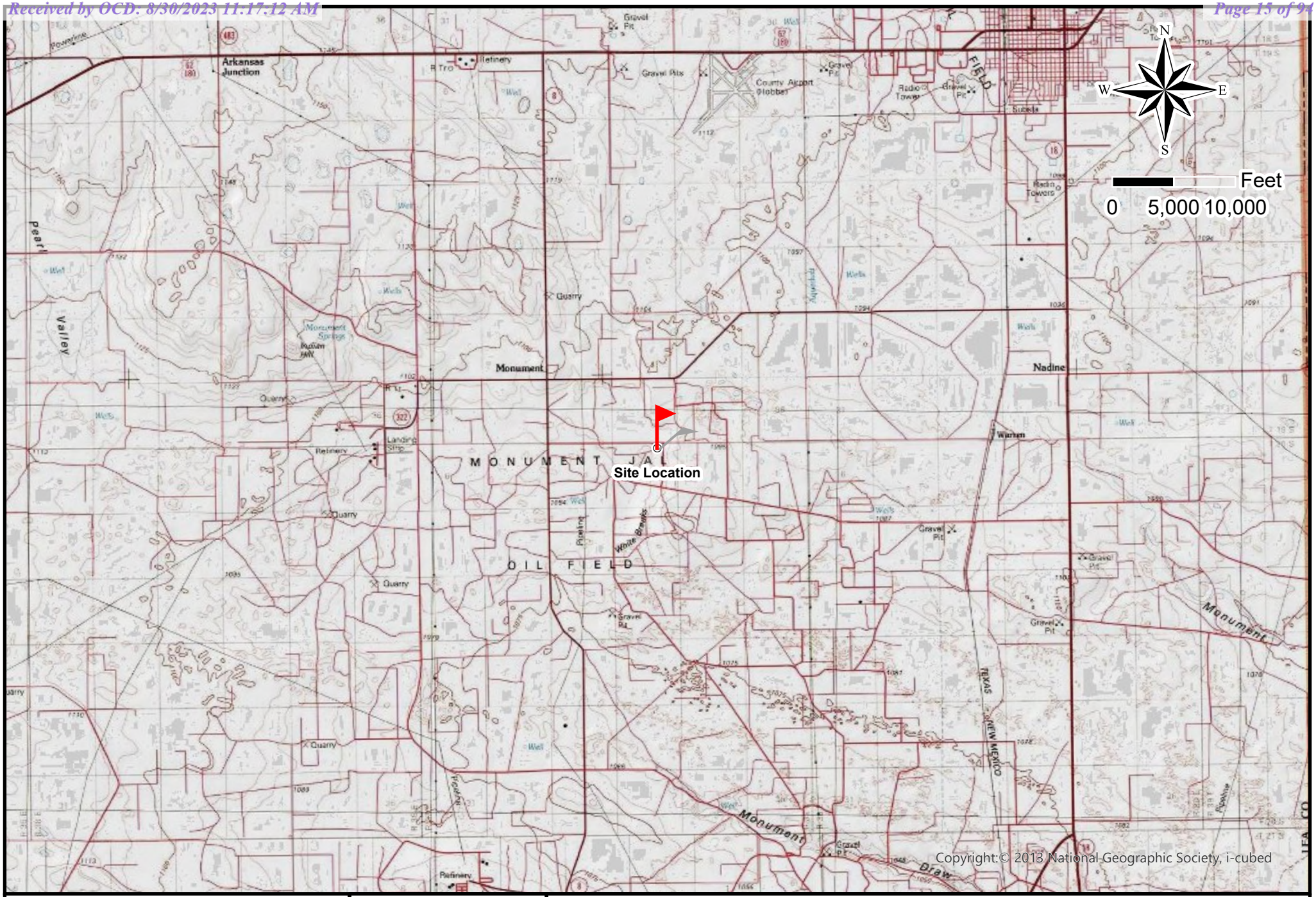
Matador Resources
Cooper 3 #006
Eddy County. NM
Confirmation Map



TALON LPE

Drafted: 8/2/2023
1 in = 2,500 ft
Drafted By: IJR

Matador Resources
Cooper 3 #006
Eddy County. NM
Karst Map



TALON LPE

Drafted: 8/2/2023
1 in = 10,000 ft
Drafted By: IJR

Matador Resources
Cooper 3 #006
Eddy County. NM
Topographic Map

Appendix II

Groundwater Data

Soil Survey

FEMA Flood Map

New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
	L 01253	1	3	2	08	20S	37E	662125	3607195*

Driller License: **Driller Company:**

Driller Name: GENE R BURKE

Drill Start Date:	10/08/1936	**Drill Finish Date:**	10/08/1936	**Plug Date:**	
Log File Date:	12/02/1952	**PCW Rcv Date:**	12/02/1952	**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	7.00	**Depth Well:**	81 feet	**Depth Water:**	45 feet

Water Bearing Stratifications:	Top	Bottom	Description
	45	55	Sandstone/Gravel/Conglomerate
	65	75	Sandstone/Gravel/Conglomerate

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

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

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

Custom Soil Resource Report for Lea County, New Mexico

January 20, 2023

alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

Contents

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.

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

Appendix III

C-141 Forms

NMOCD Correspondence

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	NPAC0734734930
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Matador Resources	OGRID	228937
Contact Name	Clinton Talley	Contact Telephone	337-319-8398
Contact email	clinton.talley@matadorresources.com	Incident # *(assigned by OCD)*	NPAC0734734930
Contact mailing address	5347 N. 26th Street 2nd Floor, Artesia, NM 88210		

Location of Release Source

Latitude 32.608223 Longitude -103.2363205
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	COOPER 3 #006	Site Type	Oil Release
Date Release Discovered	11/19/2007	API# *(if applicable)*	30-025-35204

Unit Letter	Section	Township	Range	County
B	03	20S	37E	Lea

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls) 7 bbl	Volume Recovered (bbls) 5 bbl
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Corrosion

State of New Mexico
Oil Conservation Division

Incident ID	NPAC0734734930
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☑ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Clinton Talley Title: EHS

Signature: Clint Talley Date: 8/30/2023

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

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NPAC0734734930
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	45 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☑ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☑ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NPAC0734734930
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Clinton Talley Title: EHS

Signature: Clint Talley Date: 8/30/2023

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

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NPAC0734734930
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

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

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

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

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

☑ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Clinton Talley Title: EHS

Signature: Clint Talley Date: 8/30/2023

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

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: Ashley Maxwell Date: 09/01/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist

From: Wells, Shelly, EMNRD
To: Chad Hensley
Cc: Bratcher, Michael, EMNRD; Harimon, Jocelyn, EMNRD
Subject: RE: [EXTERNAL] Confirmation Sampling Event
Date: Wednesday, August 9, 2023 4:21:59 PM
Attachments: image001.png
image002.png

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

Good afternoon Chad,

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

Thank you,

Shelly

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

From: Chad Hensley <chensley@talonlpe.com>
Sent: Wednesday, August 9, 2023 3:28 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Nathaniel Rose <nrose@talonlpe.com>
Subject: [EXTERNAL] Confirmation Sampling Event

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

To whom it may concern,

Talon on behalf of Matador is conducting a sampling event for:
Cooper 3 #6
nPAC0734734930
8/14/2023 at 8am

Chad Hensley
Environmental Project Manager
Office: 575.746.8768 x708
Direct: 575.616.4023
Cell: 575.246.0032
Fax: 575.746.8905
Emergency: 866.742.0742

Web: **www.talonlpe.com**

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

Appendix IV

Photographic Documentation

Photograph No.1 Description:

Remediation Activities

Photograph No.2 Description:

Remediation Activities

Photograph No.3 Description:

Remediation Activities

Photograph No.4 Description:

Remediation Activities

Appendix V

Laboratory Reports

CARDINAL Laboratories

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

June 27, 2023

CHAD HENSLEY

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: COOPER

Enclosed are the results of analyses for samples received by the laboratory on 06/22/23 12:55.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/22/2023	Sampling Date:	06/22/2023
Reported:	06/27/2023	Sampling Type:	Soil
Project Name:	COOPER	Sampling Condition:	** (See Notes)
Project Number:	702520.051.01	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY		

Sample ID: SW - 1 1.5' (H233243-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2023	ND	1.93	96.7	2.00	2.89	
Toluene*	<0.050	0.050	06/23/2023	ND	1.96	98.0	2.00	3.40	
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.01	100	2.00	4.32	
Total Xylenes*	<0.150	0.150	06/23/2023	ND	5.97	99.5	6.00	4.58	
Total BTEX	<0.300	0.300	06/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/23/2023	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2023	ND	207	104	200	22.2	
DRO >C10-C28*	**16.1**	10.0	06/23/2023	ND	202	101	200	17.2	
EXT DRO >C28-C36	**20.6**	10.0	06/23/2023	ND					

Surrogate: 1-Chlorooctane *96.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *105 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/22/2023	Sampling Date:	06/22/2023
Reported:	06/27/2023	Sampling Type:	Soil
Project Name:	COOPER	Sampling Condition:	** (See Notes)
Project Number:	702520.051.01	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY		

Sample ID: SW - 2 1.5' (H233243-02)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2023	ND	1.93	96.7	2.00	2.89	
Toluene*	<0.050	0.050	06/23/2023	ND	1.96	98.0	2.00	3.40	
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.01	100	2.00	4.32	
Total Xylenes*	<0.150	0.150	06/23/2023	ND	5.97	99.5	6.00	4.58	
Total BTEX	<0.300	0.300	06/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.0 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	06/23/2023	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2023	ND	207	104	200	22.2	
DRO >C10-C28*	**250**	10.0	06/23/2023	ND	202	101	200	17.2	
EXT DRO >C28-C36	**155**	10.0	06/23/2023	ND					

Surrogate: 1-Chlorooctane *101 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *128 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/22/2023	Sampling Date:	06/22/2023
Reported:	06/27/2023	Sampling Type:	Soil
Project Name:	COOPER	Sampling Condition:	** (See Notes)
Project Number:	702520.051.01	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY		

Sample ID: SW - 3 1.5' (H233243-03)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2023	ND	1.93	96.7	2.00	2.89	
Toluene*	<0.050	0.050	06/23/2023	ND	1.96	98.0	2.00	3.40	
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.01	100	2.00	4.32	
Total Xylenes*	<0.150	0.150	06/23/2023	ND	5.97	99.5	6.00	4.58	
Total BTEX	<0.300	0.300	06/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	06/23/2023	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2023	ND	171	85.3	200	22.8	
DRO >C10-C28*	**27.4**	10.0	06/23/2023	ND	168	84.2	200	17.8	
EXT DRO >C28-C36	**28.6**	10.0	06/23/2023	ND					

Surrogate: 1-Chlorooctane *98.5 %* *48.2-134*

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

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/22/2023	Sampling Date:	06/22/2023
Reported:	06/27/2023	Sampling Type:	Soil
Project Name:	COOPER	Sampling Condition:	** (See Notes)
Project Number:	702520.051.01	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY		

Sample ID: SW - 4 1.5' (H233243-04)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2023	ND	1.93	96.7	2.00	2.89	
Toluene*	<0.050	0.050	06/23/2023	ND	1.96	98.0	2.00	3.40	
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.01	100	2.00	4.32	
Total Xylenes*	<0.150	0.150	06/23/2023	ND	5.97	99.5	6.00	4.58	
Total BTEX	<0.300	0.300	06/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/23/2023	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2023	ND	171	85.3	200	22.8	
DRO >C10-C28*	**17.6**	10.0	06/23/2023	ND	168	84.2	200	17.8	
EXT DRO >C28-C36	**24.3**	10.0	06/23/2023	ND					

Surrogate: 1-Chlorooctane *101 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *109 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/22/2023	Sampling Date:	06/22/2023
Reported:	06/27/2023	Sampling Type:	Soil
Project Name:	COOPER	Sampling Condition:	** (See Notes)
Project Number:	702520.051.01	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY		

Sample ID: C - 1 3' (H233243-05)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2023	ND	2.02	101	2.00	7.76	
Toluene*	<0.050	0.050	06/23/2023	ND	1.97	98.6	2.00	7.92	
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	1.96	97.8	2.00	7.74	
Total Xylenes*	<0.150	0.150	06/23/2023	ND	5.78	96.4	6.00	7.98	
Total BTEX	<0.300	0.300	06/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/23/2023	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2023	ND	171	85.3	200	22.8	
DRO >C10-C28*	**120**	10.0	06/23/2023	ND	168	84.2	200	17.8	
EXT DRO >C28-C36	**125**	10.0	06/23/2023	ND					

Surrogate: 1-Chlorooctane *93.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *106 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/22/2023	Sampling Date:	06/22/2023
Reported:	06/27/2023	Sampling Type:	Soil
Project Name:	COOPER	Sampling Condition:	** (See Notes)
Project Number:	702520.051.01	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY		

Sample ID: C - 2 3' (H233243-06)

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/24/2023	ND	2.02	101	2.00	7.76	
Toluene*	<0.050	0.050	06/24/2023	ND	1.97	98.6	2.00	7.92	
Ethylbenzene*	<0.050	0.050	06/24/2023	ND	1.96	97.8	2.00	7.74	
Total Xylenes*	<0.150	0.150	06/24/2023	ND	5.78	96.4	6.00	7.98	
Total BTEX	<0.300	0.300	06/24/2023	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	06/23/2023	ND	432	108	400	3.77	

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/24/2023	ND	171	85.3	200	22.8	
DRO >C10-C28*	**74.7**	10.0	06/24/2023	ND	168	84.2	200	17.8	
EXT DRO >C28-C36	**83.5**	10.0	06/24/2023	ND					

Surrogate: 1-Chlorooctane *102 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *114 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/22/2023	Sampling Date:	06/22/2023
Reported:	06/27/2023	Sampling Type:	Soil
Project Name:	COOPER	Sampling Condition:	** (See Notes)
Project Number:	702520.051.01	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY		

Sample ID: C - 3 3' (H233243-07)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/24/2023	ND	2.02	101	2.00	7.76	
Toluene*	<0.050	0.050	06/24/2023	ND	1.97	98.6	2.00	7.92	
Ethylbenzene*	<0.050	0.050	06/24/2023	ND	1.96	97.8	2.00	7.74	
Total Xylenes*	<0.150	0.150	06/24/2023	ND	5.78	96.4	6.00	7.98	
Total BTEX	<0.300	0.300	06/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	06/23/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/24/2023	ND	171	85.3	200	22.8	
DRO >C10-C28*	**49.1**	10.0	06/24/2023	ND	168	84.2	200	17.8	
EXT DRO >C28-C36	**51.4**	10.0	06/24/2023	ND					

Surrogate: 1-Chlorooctane *83.4 %* *48.2-134*

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

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: ~~Matador~~ Talon LPE
Project Manager: Chad Hensley
Address: 408 W Texas ave
City: Artesia State: NM Zip: 88201
Phone #: 575-706-8768 Fax #:
Project #: 702520.051.01 Project Owner: Matador
Project Name: Cooper
Project Location: Eddy County
Sampler Name: N. Rose

BILL TO

P.O. #:
Company: Matador
Attn:
Address:
City:
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH	BTEX	Cl
H233243																	
1	SW-1 1.5'	C	1										6-22-23	10:45	X	X	X
2	SW-2 1.5'	C												10:20			
3	SW-3 1.5'	C												11:02			
4	SW-4 1.5'	C												11:13			
5	C-1 3'	C												11:21			
6	C-2 3'	C												11:36			
7	C-3 3'	C												11:40			

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Date: 6-22-23 Time: 1255 Received By:
Relinquished By: Date: Time: Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Observed Temp. °C 32.3
Corrected Temp. °C 31.7

Sample Condition: Cool ☐ Yes ☑ No Intact ☑ Yes ☐ No

CHECKED BY: (Initials) TO

Turnaround Time: Standard ☑ Rush ☐

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No

Observed Temp. °C
Corrected Temp. °C

Thermometer ID #113
Correction Factor -0.6°C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CARDINAL Laboratories

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

July 03, 2023

CHAD HENSLEY

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: COOPER

Enclosed are the results of analyses for samples received by the laboratory on 06/28/23 14:45.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/28/2023	Sampling Date:	06/28/2023
Reported:	07/03/2023	Sampling Type:	Soil
Project Name:	COOPER	Sampling Condition:	** (See Notes)
Project Number:	702520.051.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - LEA COUNTY		

Sample ID: SW - 1 1.5' (H233345-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/29/2023	ND	2.25	112	2.00	3.93	
Toluene*	<0.050	0.050	06/29/2023	ND	2.26	113	2.00	4.52	
Ethylbenzene*	<0.050	0.050	06/29/2023	ND	2.12	106	2.00	1.67	
Total Xylenes*	<0.150	0.150	06/29/2023	ND	6.55	109	6.00	1.06	
Total BTEX	<0.300	0.300	06/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/29/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/29/2023	ND	200	99.9	200	0.670	
DRO >C10-C28*	**283**	10.0	06/29/2023	ND	197	98.5	200	7.16	
EXT DRO >C28-C36	**258**	10.0	06/29/2023	ND					

Surrogate: 1-Chlorooctane *137 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *163 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/28/2023	Sampling Date:	06/28/2023
Reported:	07/03/2023	Sampling Type:	Soil
Project Name:	COOPER	Sampling Condition:	** (See Notes)
Project Number:	702520.051.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - LEA COUNTY		

Sample ID: SW - 2 1.5' (H233345-02)

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/29/2023	ND	2.25	112	2.00	3.93	
Toluene*	<0.050	0.050	06/29/2023	ND	2.26	113	2.00	4.52	
Ethylbenzene*	<0.050	0.050	06/29/2023	ND	2.12	106	2.00	1.67	
Total Xylenes*	<0.150	0.150	06/29/2023	ND	6.55	109	6.00	1.06	
Total BTEX	<0.300	0.300	06/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	06/29/2023	ND	416	104	400	3.77	

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/29/2023	ND	200	99.9	200	0.670	
DRO >C10-C28*	**18.4**	10.0	06/29/2023	ND	197	98.5	200	7.16	
EXT DRO >C28-C36	**24.5**	10.0	06/29/2023	ND					

Surrogate: 1-Chlorooctane *132 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *139 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/28/2023	Sampling Date:	06/28/2023
Reported:	07/03/2023	Sampling Type:	Soil
Project Name:	COOPER	Sampling Condition:	** (See Notes)
Project Number:	702520.051.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - LEA COUNTY		

Sample ID: C - 1 4' (H233345-03)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/29/2023	ND	1.99	99.3	2.00	2.17	
Toluene*	<0.050	0.050	06/29/2023	ND	1.95	97.7	2.00	2.00	
Ethylbenzene*	<0.050	0.050	06/29/2023	ND	1.91	95.4	2.00	1.47	
Total Xylenes*	<0.150	0.150	06/29/2023	ND	5.80	96.6	6.00	1.52	
Total BTEX	<0.300	0.300	06/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	06/29/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/29/2023	ND	200	99.9	200	0.670	
DRO >C10-C28*	<10.0	10.0	06/29/2023	ND	197	98.5	200	7.16	
EXT DRO >C28-C36	<10.0	10.0	06/29/2023	ND					

Surrogate: 1-Chlorooctane *128 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *134 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Talon LPE	**BILL TO** P.O. #:	
Project Manager:	Chad Hensley	Company:	Matador
Address:	408 W Texas Ave	Attn:	
City:	Artesia	State: NM Zip: 88210	Address:
Phone #:	575-746-8768	Fax #:	City:
Project #:	702520.051.01	Project Owner: Matador	State: Zip:
Project Name:	Cooper		Phone #:
Project Location:	Lea County		Fax #:
Sampler Name:	N. Rose		

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	CL	BTEX	TPH
H233345																	
1	SW-1 1.5'	C	1			X					X		6-28-23	10:20	X	X	X
2	SW-2 1.5'	C	1											10:28			
3	C-1 4'	C	1											12:25			

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 6-28-23	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1445		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		

Delivered By: (Circle One)	Observed Temp. °C 37.6	Sample Condition Cool ☑ Yes Intact ☑ Yes	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C 37.0	☐ No ☐ No		Thermometer ID #113 Correction Factor -0.6°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CARDINAL Laboratories

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

July 17, 2023

CHAD HENSLEY

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: COOPER

Enclosed are the results of analyses for samples received by the laboratory on 07/12/23 13:24.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/12/2023	Sampling Date:	07/12/2023
Reported:	07/17/2023	Sampling Type:	Soil
Project Name:	COOPER	Sampling Condition:	** (See Notes)
Project Number:	702520.051.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - LEA COUNTY		

Sample ID: SW - 1 2' (H233561-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	1.99	99.5	2.00	1.53	
Toluene*	<0.050	0.050	07/14/2023	ND	1.99	99.3	2.00	1.32	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	1.99	99.4	2.00	1.23	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	5.87	97.8	6.00	1.40	
Total BTEX	<0.300	0.300	07/14/2023	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	07/13/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2023	ND	212	106	200	10.7	
DRO >C10-C28*	<10.0	10.0	07/13/2023	ND	226	113	200	4.78	
EXT DRO >C28-C36	<10.0	10.0	07/13/2023	ND					

Surrogate: 1-Chlorooctane *70.9 %* *48.2-134*

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Talon LPE
Project Manager:	C. Hensley
Address:	408 W. Texas Ave
City:	Artesia State: NM Zip: 88210
Phone #:	575-746-8768 Fax #:
Project #:	702520.05/.01 Project Owner: Matador
Project Name:	Cooper
Project Location:	Lea County
Sampler Name:	N. Rose

BILL TO

P.O. #:	
Company:	
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	BTEX	CL	TPH
H233561-1	SW-1 2'	C	1			X					X		7-12-23	1220	X	X	X

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 7-12-23 Time: 1324	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	All Results are emailed. Please provide Email address: REMARKS:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 32.6 Corrected Temp. °C	Sample Condition Cool: ☐ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ Rush ☐ Thermometer ID #113 Correction Factor -0.6°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

#140 7/12/23

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CARDINAL Laboratories

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

August 07, 2023

CHAD HENSLEY

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: MATADOR COOPER 3

Enclosed are the results of analyses for samples received by the laboratory on 07/28/23 14:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/28/2023	Sampling Date:	07/27/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	MATADOR COOPER 3	Sampling Condition:	Cool & Intact
Project Number:	702520.051.01	Sample Received By:	Jodi Henson
Project Location:	MATADOR - LEA COUNTY		

Sample ID: C - 3 4' (H233996-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	1.97	98.7	2.00	5.01	
Toluene*	<0.050	0.050	08/05/2023	ND	1.87	93.7	2.00	7.48	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.86	93.0	2.00	8.14	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.59	93.2	6.00	8.15	
Total BTEX	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	08/04/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	161	80.3	200	5.77	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	183	91.7	200	3.46	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane *86.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/28/2023	Sampling Date:	07/27/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	MATADOR COOPER 3	Sampling Condition:	Cool & Intact
Project Number:	702520.051.01	Sample Received By:	Jodi Henson
Project Location:	MATADOR - LEA COUNTY		

Sample ID: C - 2 4' (H233996-02)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2023	ND	2.03	101	2.00	3.20	
Toluene*	<0.050	0.050	08/04/2023	ND	1.97	98.3	2.00	1.65	
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.00	100	2.00	3.00	
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.97	99.6	6.00	3.19	
Total BTEX	<0.300	0.300	08/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	08/04/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	161	80.3	200	5.77	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	183	91.7	200	3.46	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane *86.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *97.3 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon LPE		**BILL TO**	
Project Manager: C. Hensley		P.O. #:	
Address: 408 W. Texas Ave		Company:	
City: Artesia	State: NM Zip: 88210	Attn:	
Phone #: 575.746.8768	Fax #:	Address:	
Project #: 702520.051.01	Project Owner: Matador	City:	
Project Name: MatadorCooper3		State: Zip:	
Project Location: Lea County		Phone #:	
Sampler Name: N. Rose		Fax #:	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	CL	BTEX	TPH
H233996																	
1	C-3 4'	C	1			✓							07/27/	1120	✓	✓	✓
2	C-2 4'	C	1			✓								1128	✓	✓	✓

Relinquished By:	Date: 7/28/23	Received By: Jodi Henson	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 14:00		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		
Delivered By: (Circle One)	4.1°C	Sample Condition: Cool ☑ Yes ☐ No, Intact ☑ Yes ☐ No	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	#140		

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/31/2023 1:00:48 PM Revision 1

JOB DESCRIPTION

COOPER 3
SDG NUMBER 702520.051.01

JOB NUMBER

890-3857-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

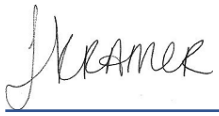
See page two for job notes and contact information.

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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1/31/2023 1:00:48 PM
Revision 1

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

Client: Talon/LPE
Project/Site: COOPER 3

Laboratory Job ID: 890-3857-1
SDG: 702520.051.01

Table of Contents

Definitions/Glossary

Client: Talon/LPE
Project/Site: COOPER 3

Job ID: 890-3857-1
SDG: 702520.051.01

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.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

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: COOPER 3

Job ID: 890-3857-1
SDG: 702520.051.01

Job ID: 890-3857-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-3857-1

REVISION

The report being provided is a revision of the original report sent on 1/30/2023. The report (revision 1) is being revised due to Pr AJ, MS/MSD missin on final report.

Report revision history

Receipt
The samples were received on 1/13/2023 2:47 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 1.0°C

Receipt Exceptions
The following were received and analyzed from an unpreserved bulk soil jar: S-1 (890-3857-1), S-1 (890-3857-2), S-1 (890-3857-3), S-2 (890-3857-4), S-3 (890-3857-5), S-3 (890-3857-6), S-3 (890-3857-7), S-4 (890-3857-8) and S-5 (890-3857-9).

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: S-5 (890-3857-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA
Method 8015MOD_NM: The laboratory control sample duplicate (LCSD) for preparation batch 880-44231 and analytical batch 880-44896 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28). These analytes were biased high in the LCSD but were acceptable in the corresponding LCS; therefore, the data have been reported.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-44231/2-A), (LCSD 880-44231/3-A) and (MB 880-44231/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (890-3848-A-1-C MS) and (890-3848-A-1-D MSD). 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
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-44197 and analytical batch 880-44281 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: COOPER 3

Job ID: 890-3857-1
SDG: 702520.051.01

Client Sample ID: S-1
Date Collected: 01/10/23 13:30
Date Received: 01/13/23 14:47
Sample Depth: 0 - 1

Lab Sample ID: 890-3857-1
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		01/19/23 09:48	01/19/23 12:33	1
Toluene	**0.000458**	**J**	0.00199	0.000454	mg/Kg		01/19/23 09:48	01/19/23 12:33	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		01/19/23 09:48	01/19/23 12:33	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg		01/19/23 09:48	01/19/23 12:33	1
o-Xylene	**0.000367**	**J**	0.00199	0.000343	mg/Kg		01/19/23 09:48	01/19/23 12:33	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		01/19/23 09:48	01/19/23 12:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*01/19/23 09:48*	*01/19/23 12:33*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*01/19/23 09:48*	*01/19/23 12:33*	*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			01/19/23 16:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**199**		50.0	15.0	mg/Kg			01/30/23 10:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**25.5**	**J**	50.0	15.0	mg/Kg		01/18/23 10:15	01/27/23 19:51	1
Diesel Range Organics (Over C10-C28)	**173**	***+ *1**	50.0	15.0	mg/Kg		01/18/23 10:15	01/27/23 19:51	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		01/18/23 10:15	01/27/23 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*01/18/23 10:15*	*01/27/23 19:51*	*1*
o-Terphenyl	*82*		*70 - 130*	*01/18/23 10:15*	*01/27/23 19:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.3**		5.02	0.397	mg/Kg			01/18/23 22:00	1

Client Sample ID: S-1
Date Collected: 01/10/23 13:35
Date Received: 01/13/23 14:47
Sample Depth: 2

Lab Sample ID: 890-3857-2
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		01/19/23 09:48	01/19/23 12:53	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg		01/19/23 09:48	01/19/23 12:53	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		01/19/23 09:48	01/19/23 12:53	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg		01/19/23 09:48	01/19/23 12:53	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		01/19/23 09:48	01/19/23 12:53	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		01/19/23 09:48	01/19/23 12:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*01/19/23 09:48*	*01/19/23 12:53*	*1*

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Client Sample Results

Client: Talon/LPE
Project/Site: COOPER 3

Job ID: 890-3857-1
SDG: 702520.051.01

Client Sample ID: S-1
Date Collected: 01/10/23 13:35
Date Received: 01/13/23 14:47
Sample Depth: 2

Lab Sample ID: 890-3857-2
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*01/19/23 09:48*	*01/19/23 12:53*	*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			01/19/23 16:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**129**		50.0	15.0	mg/Kg			01/30/23 10:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**18.7**	**J**	50.0	15.0	mg/Kg		01/18/23 10:15	01/27/23 20:14	1
Diesel Range Organics (Over C10-C28)	**110**	***+ *1**	50.0	15.0	mg/Kg		01/18/23 10:15	01/27/23 20:14	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		01/18/23 10:15	01/27/23 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*01/18/23 10:15*	*01/27/23 20:14*	*1*
o-Terphenyl	*86*		*70 - 130*	*01/18/23 10:15*	*01/27/23 20:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.9**		5.01	0.396	mg/Kg			01/18/23 22:06	1

Client Sample ID: S-1
Date Collected: 01/10/23 13:38
Date Received: 01/13/23 14:47
Sample Depth: 3

Lab Sample ID: 890-3857-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000382	U	0.00198	0.000382	mg/Kg		01/19/23 09:48	01/19/23 13:14	1
Toluene	<0.000452	U	0.00198	0.000452	mg/Kg		01/19/23 09:48	01/19/23 13:14	1
Ethylbenzene	<0.000561	U	0.00198	0.000561	mg/Kg		01/19/23 09:48	01/19/23 13:14	1
m-Xylene & p-Xylene	<0.00100	U	0.00397	0.00100	mg/Kg		01/19/23 09:48	01/19/23 13:14	1
o-Xylene	**0.000390**	**J**	0.00198	0.000341	mg/Kg		01/19/23 09:48	01/19/23 13:14	1
Xylenes, Total	<0.00100	U	0.00397	0.00100	mg/Kg		01/19/23 09:48	01/19/23 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*01/19/23 09:48*	*01/19/23 13:14*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*01/19/23 09:48*	*01/19/23 13:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00397	0.00100	mg/Kg			01/19/23 16:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**101**		49.9	15.0	mg/Kg			01/30/23 10:22	1

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Client Sample Results

Client: Talon/LPE
Project/Site: COOPER 3

Job ID: 890-3857-1
SDG: 702520.051.01

Client Sample ID: S-1
Date Collected: 01/10/23 13:38
Date Received: 01/13/23 14:47
Sample Depth: 3

Lab Sample ID: 890-3857-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	19.9	J	49.9	15.0	mg/Kg		01/18/23 10:15	01/27/23 20:37	1
Diesel Range Organics (Over C10-C28)	81.4	*+ *1	49.9	15.0	mg/Kg		01/18/23 10:15	01/27/23 20:37	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		01/18/23 10:15	01/27/23 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*01/18/23 10:15*	*01/27/23 20:37*	*1*
o-Terphenyl	*87*		*70 - 130*	*01/18/23 10:15*	*01/27/23 20:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	93.2		5.00	0.395	mg/Kg			01/18/23 22:12	1

Client Sample ID: S-2
Date Collected: 01/10/23 13:40
Date Received: 01/13/23 14:47
Sample Depth: 0 - 1

Lab Sample ID: 890-3857-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg		01/19/23 09:48	01/19/23 13:34	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		01/19/23 09:48	01/19/23 13:34	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		01/19/23 09:48	01/19/23 13:34	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		01/19/23 09:48	01/19/23 13:34	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		01/19/23 09:48	01/19/23 13:34	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		01/19/23 09:48	01/19/23 13:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*01/19/23 09:48*	*01/19/23 13:34*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*01/19/23 09:48*	*01/19/23 13:34*	*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			01/19/23 16:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	136		49.9	15.0	mg/Kg			01/30/23 10:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	17.0	J	49.9	15.0	mg/Kg		01/18/23 10:15	01/27/23 21:01	1
Diesel Range Organics (Over C10-C28)	119	*+ *1	49.9	15.0	mg/Kg		01/18/23 10:15	01/27/23 21:01	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		01/18/23 10:15	01/27/23 21:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*01/18/23 10:15*	*01/27/23 21:01*	*1*
o-Terphenyl	*89*		*70 - 130*	*01/18/23 10:15*	*01/27/23 21:01*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: COOPER 3

Job ID: 890-3857-1
SDG: 702520.051.01

Client Sample ID: S-2
Date Collected: 01/10/23 13:40
Date Received: 01/13/23 14:47
Sample Depth: 0 - 1

Lab Sample ID: 890-3857-4
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	55.7	F1	5.00	0.395	mg/Kg			01/18/23 22:18	1

Client Sample ID: S-3
Date Collected: 01/10/23 13:43
Date Received: 01/13/23 14:47
Sample Depth: 0 - 1

Lab Sample ID: 890-3857-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg		01/19/23 09:48	01/19/23 13:55	1
Toluene	<0.000459	U	0.00201	0.000459	mg/Kg		01/19/23 09:48	01/19/23 13:55	1
Ethylbenzene	<0.000568	U	0.00201	0.000568	mg/Kg		01/19/23 09:48	01/19/23 13:55	1
m-Xylene & p-Xylene	<0.00102	U	0.00402	0.00102	mg/Kg		01/19/23 09:48	01/19/23 13:55	1
o-Xylene	<0.000346	U	0.00201	0.000346	mg/Kg		01/19/23 09:48	01/19/23 13:55	1
Xylenes, Total	<0.00102	U	0.00402	0.00102	mg/Kg		01/19/23 09:48	01/19/23 13:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*01/19/23 09:48*	*01/19/23 13:55*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*01/19/23 09:48*	*01/19/23 13:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00402	0.00102	mg/Kg			01/19/23 16:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	141		49.8	14.9	mg/Kg			01/30/23 10:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	17.9	J	49.8	14.9	mg/Kg		01/18/23 10:15	01/27/23 21:48	1
Diesel Range Organics (Over C10-C28)	123	*+ *1	49.8	14.9	mg/Kg		01/18/23 10:15	01/27/23 21:48	1
Oil Range Organics (Over C28-C36)	<14.9	U	49.8	14.9	mg/Kg		01/18/23 10:15	01/27/23 21:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*01/18/23 10:15*	*01/27/23 21:48*	*1*
o-Terphenyl	*95*		*70 - 130*	*01/18/23 10:15*	*01/27/23 21:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	104		5.02	0.397	mg/Kg			01/18/23 22:35	1

Client Sample Results

Client: Talon/LPE
Project/Site: COOPER 3

Job ID: 890-3857-1
SDG: 702520.051.01

Client Sample ID: S-3
Date Collected: 01/10/23 13:47
Date Received: 01/13/23 14:47
Sample Depth: 2.5

Lab Sample ID: 890-3857-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg		01/19/23 09:48	01/19/23 14:15	1
Toluene	<0.000458	U	0.00201	0.000458	mg/Kg		01/19/23 09:48	01/19/23 14:15	1
Ethylbenzene	<0.000567	U	0.00201	0.000567	mg/Kg		01/19/23 09:48	01/19/23 14:15	1
m-Xylene & p-Xylene	<0.00101	U	0.00402	0.00101	mg/Kg		01/19/23 09:48	01/19/23 14:15	1
o-Xylene	<0.000345	U	0.00201	0.000345	mg/Kg		01/19/23 09:48	01/19/23 14:15	1
Xylenes, Total	<0.00101	U	0.00402	0.00101	mg/Kg		01/19/23 09:48	01/19/23 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*01/19/23 09:48*	*01/19/23 14:15*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*01/19/23 09:48*	*01/19/23 14:15*	*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	0.00402	0.00101	mg/Kg			01/19/23 16:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**173**		50.0	15.0	mg/Kg			01/30/23 10:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**41.7**	**J**	50.0	15.0	mg/Kg		01/18/23 10:15	01/27/23 22:09	1
Diesel Range Organics (Over C10-C28)	**131**	***+ *1**	50.0	15.0	mg/Kg		01/18/23 10:15	01/27/23 22:09	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		01/18/23 10:15	01/27/23 22:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*01/18/23 10:15*	*01/27/23 22:09*	*1*
o-Terphenyl	*101*		*70 - 130*	*01/18/23 10:15*	*01/27/23 22:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.1**		5.00	0.395	mg/Kg			01/18/23 22:41	1

Client Sample ID: S-3
Date Collected: 01/10/23 13:45
Date Received: 01/13/23 14:47
Sample Depth: 2

Lab Sample ID: 890-3857-7
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		01/19/23 09:48	01/19/23 14:36	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg		01/19/23 09:48	01/19/23 14:36	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		01/19/23 09:48	01/19/23 14:36	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg		01/19/23 09:48	01/19/23 14:36	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		01/19/23 09:48	01/19/23 14:36	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		01/19/23 09:48	01/19/23 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*01/19/23 09:48*	*01/19/23 14:36*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: COOPER 3

Job ID: 890-3857-1
SDG: 702520.051.01

Client Sample ID: S-3
Date Collected: 01/10/23 13:45
Date Received: 01/13/23 14:47
Sample Depth: 2

Lab Sample ID: 890-3857-7
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*01/19/23 09:48*	*01/19/23 14:36*	*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			01/19/23 16:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**44.0**	**J**	49.9	15.0	mg/Kg			01/30/23 10:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**44.0**	**J**	49.9	15.0	mg/Kg		01/18/23 10:15	01/27/23 22:31	1
Diesel Range Organics (Over C10-C28)	<15.0	U *+ *1	49.9	15.0	mg/Kg		01/18/23 10:15	01/27/23 22:31	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		01/18/23 10:15	01/27/23 22:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*01/18/23 10:15*	*01/27/23 22:31*	*1*
o-Terphenyl	*102*		*70 - 130*	*01/18/23 10:15*	*01/27/23 22:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.4**		4.98	0.393	mg/Kg			01/18/23 22:59	1

Client Sample ID: S-4
Date Collected: 01/10/23 14:05
Date Received: 01/13/23 14:47
Sample Depth: 0 - 1

Lab Sample ID: 890-3857-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg		01/18/23 16:20	01/19/23 16:14	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		01/18/23 16:20	01/19/23 16:14	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		01/18/23 16:20	01/19/23 16:14	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		01/18/23 16:20	01/19/23 16:14	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		01/18/23 16:20	01/19/23 16:14	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		01/18/23 16:20	01/19/23 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*01/18/23 16:20*	*01/19/23 16:14*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*01/18/23 16:20*	*01/19/23 16:14*	*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			01/20/23 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**79.5**		49.9	15.0	mg/Kg			01/30/23 10:22	1

Eurofins Carlsbad

Client Sample Results

Client: Talon/LPE
Project/Site: COOPER 3

Job ID: 890-3857-1
SDG: 702520.051.01

Client Sample ID: S-4
Date Collected: 01/10/23 14:05
Date Received: 01/13/23 14:47
Sample Depth: 0 - 1

Lab Sample ID: 890-3857-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**27.4**	**J**	49.9	15.0	mg/Kg		01/18/23 10:15	01/27/23 22:53	1
Diesel Range Organics (Over C10-C28)	**52.1**	***+ *1**	49.9	15.0	mg/Kg		01/18/23 10:15	01/27/23 22:53	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		01/18/23 10:15	01/27/23 22:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*01/18/23 10:15*	*01/27/23 22:53*	*1*
o-Terphenyl	*99*		*70 - 130*	*01/18/23 10:15*	*01/27/23 22:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**107**		4.95	0.391	mg/Kg			01/18/23 23:05	1

Client Sample ID: S-5
Date Collected: 01/10/23 14:08
Date Received: 01/13/23 14:47
Sample Depth: 0 - 1

Lab Sample ID: 890-3857-9
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000386	U	0.00200	0.000386	mg/Kg		01/18/23 16:20	01/19/23 16:35	1
Toluene	<0.000457	U	0.00200	0.000457	mg/Kg		01/18/23 16:20	01/19/23 16:35	1
Ethylbenzene	<0.000566	U	0.00200	0.000566	mg/Kg		01/18/23 16:20	01/19/23 16:35	1
m-Xylene & p-Xylene	<0.00101	U	0.00401	0.00101	mg/Kg		01/18/23 16:20	01/19/23 16:35	1
o-Xylene	<0.000345	U	0.00200	0.000345	mg/Kg		01/18/23 16:20	01/19/23 16:35	1
Xylenes, Total	<0.00101	U	0.00401	0.00101	mg/Kg		01/18/23 16:20	01/19/23 16:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*01/18/23 16:20*	*01/19/23 16:35*	*1*
1,4-Difluorobenzene (Surr)	*66*	*S1-*	*70 - 130*	*01/18/23 16:20*	*01/19/23 16:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00401	0.00101	mg/Kg			01/20/23 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**39.9**	**J**	49.9	15.0	mg/Kg			01/30/23 10:22	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		01/18/23 10:15	01/27/23 23:15	1
Diesel Range Organics (Over C10-C28)	**39.9**	**J *+ *1**	49.9	15.0	mg/Kg		01/18/23 10:15	01/27/23 23:15	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		01/18/23 10:15	01/27/23 23:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*01/18/23 10:15*	*01/27/23 23:15*	*1*
o-Terphenyl	*104*		*70 - 130*	*01/18/23 10:15*	*01/27/23 23:15*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: COOPER 3

Job ID: 890-3857-1
SDG: 702520.051.01

Client Sample ID: S-5

Date Collected: 01/10/23 14:08
Date Received: 01/13/23 14:47
Sample Depth: 0 - 1

Lab Sample ID: 890-3857-9

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.0		5.00	0.395	mg/Kg			01/18/23 23:11	1

Surrogate Summary

Client: Talon/LPE
Project/Site: COOPER 3

Job ID: 890-3857-1
SDG: 702520.051.01

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-23861-A-1-A MS	Matrix Spike	113	87
880-23861-A-1-B MSD	Matrix Spike Duplicate	93	103
890-3857-1	S-1	94	113
890-3857-1 MS	S-1	97	110
890-3857-1 MSD	S-1	96	112
890-3857-2	S-1	102	115
890-3857-3	S-1	111	115
890-3857-4	S-2	105	111
890-3857-5	S-3	107	114
890-3857-6	S-3	102	112
890-3857-7	S-3	106	109
890-3857-8	S-4	98	102
890-3857-9	S-5	97	66 S1-
LCS 880-44290/1-A	Lab Control Sample	89	98
LCS 880-44316/1-A	Lab Control Sample	93	113
LCSD 880-44290/2-A	Lab Control Sample Dup	93	102
LCSD 880-44316/2-A	Lab Control Sample Dup	98	109
MB 880-44290/5-A	Method Blank	88	97
MB 880-44316/5-A	Method Blank	95	108

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-3848-A-1-C MS	Matrix Spike	56 S1-	53 S1-
890-3848-A-1-D MSD	Matrix Spike Duplicate	57 S1-	50 S1-
890-3857-1	S-1	85	82
890-3857-2	S-1	86	86
890-3857-3	S-1	89	87
890-3857-4	S-2	89	89
890-3857-5	S-3	94	95
890-3857-6	S-3	106	101
890-3857-7	S-3	110	102
890-3857-8	S-4	106	99
890-3857-9	S-5	110	104
LCS 880-44231/2-A	Lab Control Sample	141 S1+	154 S1+
LCSD 880-44231/3-A	Lab Control Sample Dup	136 S1+	135 S1+
MB 880-44231/1-A	Method Blank	171 S1+	166 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Talon/LPE
Project/Site: COOPER 3

Job ID: 890-3857-1
SDG: 702520.051.01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-44290/5-A
Matrix: Solid
Analysis Batch: 44311

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44290

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		01/18/23 16:20	01/19/23 11:20	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		01/18/23 16:20	01/19/23 11:20	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		01/18/23 16:20	01/19/23 11:20	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		01/18/23 16:20	01/19/23 11:20	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		01/18/23 16:20	01/19/23 11:20	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		01/18/23 16:20	01/19/23 11:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*01/18/23 16:20*	*01/19/23 11:20*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*01/18/23 16:20*	*01/19/23 11:20*	*1*

Lab Sample ID: LCS 880-44290/1-A
Matrix: Solid
Analysis Batch: 44311

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44290

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1090		mg/Kg		109	70 - 130
Toluene	0.100	0.1012		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.1080		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	0.200	0.1965		mg/Kg		98	70 - 130
o-Xylene	0.100	0.09984		mg/Kg		100	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 880-44290/2-A
Matrix: Solid
Analysis Batch: 44311

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 44290

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1103		mg/Kg		110	70 - 130	1	35
Toluene	0.100	0.1026		mg/Kg		103	70 - 130	1	35
Ethylbenzene	0.100	0.1118		mg/Kg		112	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2046		mg/Kg		102	70 - 130	4	35
o-Xylene	0.100	0.1041		mg/Kg		104	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-23861-A-1-A MS
Matrix: Solid
Analysis Batch: 44311

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 44290

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.000387	U	0.100	0.07154		mg/Kg		71	70 - 130
Toluene	<0.000459	U	0.100	0.08808		mg/Kg		88	70 - 130

QC Sample Results

Client: Talon/LPE
Project/Site: COOPER 3

Job ID: 890-3857-1
SDG: 702520.051.01

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

Lab Sample ID: 880-23861-A-1-A MS
Matrix: Solid
Analysis Batch: 44311

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 44290

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.000568	U	0.100	0.1254		mg/Kg		125	70 - 130
m-Xylene & p-Xylene	0.00223	J	0.200	0.2249		mg/Kg		111	70 - 130
o-Xylene	0.00155	J	0.100	0.1122		mg/Kg		110	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*

Lab Sample ID: 880-23861-A-1-B MSD
Matrix: Solid
Analysis Batch: 44311

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 44290

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.000387	U	0.0990	0.09766		mg/Kg		99	70 - 130	31	35
Toluene	<0.000459	U	0.0990	0.08982		mg/Kg		91	70 - 130	2	35
Ethylbenzene	<0.000568	U	0.0990	0.09844		mg/Kg		99	70 - 130	24	35
m-Xylene & p-Xylene	0.00223	J	0.198	0.1823		mg/Kg		91	70 - 130	21	35
o-Xylene	0.00155	J	0.0990	0.09234		mg/Kg		92	70 - 130	19	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: MB 880-44316/5-A
Matrix: Solid
Analysis Batch: 44312

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44316

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		01/19/23 09:48	01/19/23 12:04	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		01/19/23 09:48	01/19/23 12:04	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		01/19/23 09:48	01/19/23 12:04	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		01/19/23 09:48	01/19/23 12:04	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		01/19/23 09:48	01/19/23 12:04	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		01/19/23 09:48	01/19/23 12:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*01/19/23 09:48*	*01/19/23 12:04*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*01/19/23 09:48*	*01/19/23 12:04*	*1*

Lab Sample ID: LCS 880-44316/1-A
Matrix: Solid
Analysis Batch: 44312

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44316

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08919		mg/Kg		89	70 - 130
Toluene	0.100	0.09173		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.08988		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	0.200	0.1824		mg/Kg		91	70 - 130

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QC Sample Results

Client: Talon/LPE
Project/Site: COOPER 3

Job ID: 890-3857-1
SDG: 702520.051.01

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

Lab Sample ID: LCS 880-44316/1-A
Matrix: Solid
Analysis Batch: 44312

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44316

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.08756		mg/Kg		88	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*

Lab Sample ID: LCSD 880-44316/2-A
Matrix: Solid
Analysis Batch: 44312

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 44316

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09534		mg/Kg		95	70 - 130	7	35
Toluene			0.100	0.09337		mg/Kg		93	70 - 130	2	35
Ethylbenzene			0.100	0.09216		mg/Kg		92	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.1896		mg/Kg		95	70 - 130	4	35
o-Xylene			0.100	0.09054		mg/Kg		91	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: 890-3857-1 MS
Matrix: Solid
Analysis Batch: 44312

Client Sample ID: S-1
Prep Type: Total/NA
Prep Batch: 44316

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.000383	U	0.0998	0.09932		mg/Kg		100	70 - 130		
Toluene	0.000458	J	0.0998	0.09690		mg/Kg		97	70 - 130		
Ethylbenzene	<0.000563	U	0.0998	0.09484		mg/Kg		95	70 - 130		
m-Xylene & p-Xylene	<0.00101	U	0.200	0.1940		mg/Kg		97	70 - 130		
o-Xylene	0.000367	J	0.0998	0.09254		mg/Kg		92	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: 890-3857-1 MSD
Matrix: Solid
Analysis Batch: 44312

Client Sample ID: S-1
Prep Type: Total/NA
Prep Batch: 44316

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.000383	U	0.100	0.09902		mg/Kg		99	70 - 130	0	35
Toluene	0.000458	J	0.100	0.09524		mg/Kg		95	70 - 130	2	35
Ethylbenzene	<0.000563	U	0.100	0.09273		mg/Kg		93	70 - 130	2	35
m-Xylene & p-Xylene	<0.00101	U	0.200	0.1901		mg/Kg		95	70 - 130	2	35
o-Xylene	0.000367	J	0.100	0.09053		mg/Kg		90	70 - 130	2	35

QC Sample Results

Client: Talon/LPE
Project/Site: COOPER 3

Job ID: 890-3857-1
SDG: 702520.051.01

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

Lab Sample ID: 890-3857-1 MSD
Matrix: Solid
Analysis Batch: 44312

Client Sample ID: S-1
Prep Type: Total/NA
Prep Batch: 44316

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

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

Lab Sample ID: MB 880-44231/1-A
Matrix: Solid
Analysis Batch: 44896

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44231

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		01/18/23 10:15	01/27/23 11:09	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		01/18/23 10:15	01/27/23 11:09	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		01/18/23 10:15	01/27/23 11:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	171	S1+	70 - 130	01/18/23 10:15	01/27/23 11:09	1
o-Terphenyl	166	S1+	70 - 130	01/18/23 10:15	01/27/23 11:09	1

Lab Sample ID: LCS 880-44231/2-A
Matrix: Solid
Analysis Batch: 44896

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44231

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	771.5		mg/Kg		77	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1180		mg/Kg		118	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	141	S1+	70 - 130
o-Terphenyl	154	S1+	70 - 130

Lab Sample ID: LCSD 880-44231/3-A
Matrix: Solid
Analysis Batch: 44896

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 44231

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	877.8		mg/Kg		88	70 - 130	13	20
Diesel Range Organics (Over C10-C28)			1000	1489	*+ *1	mg/Kg		149	70 - 130	23	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	136	S1+	70 - 130
o-Terphenyl	135	S1+	70 - 130

QC Sample Results

Client: Talon/LPE
Project/Site: COOPER 3

Job ID: 890-3857-1
SDG: 702520.051.01

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

Lab Sample ID: 890-3848-A-1-C MS
Matrix: Solid
Analysis Batch: 44896

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 44231

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	37.2	J F1 F2	998	870.6		mg/Kg		84	70 - 130
Diesel Range Organics (Over C10-C28)	<15.0	U *+ *1	998	831.0		mg/Kg		83	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*56*	*S1-*	*70 - 130*
o-Terphenyl	*53*	*S1-*	*70 - 130*

Lab Sample ID: 890-3848-A-1-D MSD
Matrix: Solid
Analysis Batch: 44896

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 44231

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	37.2	J F1 F2	997	757.2		mg/Kg		72	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	<15.0	U *+ *1	997	792.2		mg/Kg		79	70 - 130	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*57*	*S1-*	*70 - 130*
o-Terphenyl	*50*	*S1-*	*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-44197/1-A
Matrix: Solid
Analysis Batch: 44281

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			01/18/23 20:38	1

Lab Sample ID: LCS 880-44197/2-A
Matrix: Solid
Analysis Batch: 44281

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	253.9		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-44197/3-A
Matrix: Solid
Analysis Batch: 44281

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	254.4		mg/Kg		102	90 - 110	0	20

QC Sample Results

Client: Talon/LPE
Project/Site: COOPER 3

Job ID: 890-3857-1
SDG: 702520.051.01

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-3857-4 MS
Matrix: Solid
Analysis Batch: 44281

Client Sample ID: S-2
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	55.7	F1	250	258.0	F1	mg/Kg		81	90 - 110		

Lab Sample ID: 890-3857-4 MSD
Matrix: Solid
Analysis Batch: 44281

Client Sample ID: S-2
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	55.7	F1	250	257.4	F1	mg/Kg		81	90 - 110	0	20

QC Association Summary

Client: Talon/LPE
Project/Site: COOPER 3

Job ID: 890-3857-1
SDG: 702520.051.01

GC VOA

Prep Batch: 44290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3857-8	S-4	Total/NA	Solid	5035	
890-3857-9	S-5	Total/NA	Solid	5035	
MB 880-44290/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-44290/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-44290/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23861-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-23861-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 44311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3857-8	S-4	Total/NA	Solid	8021B	44290
890-3857-9	S-5	Total/NA	Solid	8021B	44290
MB 880-44290/5-A	Method Blank	Total/NA	Solid	8021B	44290
LCS 880-44290/1-A	Lab Control Sample	Total/NA	Solid	8021B	44290
LCSD 880-44290/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	44290
880-23861-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	44290
880-23861-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	44290

Analysis Batch: 44312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3857-1	S-1	Total/NA	Solid	8021B	44316
890-3857-2	S-1	Total/NA	Solid	8021B	44316
890-3857-3	S-1	Total/NA	Solid	8021B	44316
890-3857-4	S-2	Total/NA	Solid	8021B	44316
890-3857-5	S-3	Total/NA	Solid	8021B	44316
890-3857-6	S-3	Total/NA	Solid	8021B	44316
890-3857-7	S-3	Total/NA	Solid	8021B	44316
MB 880-44316/5-A	Method Blank	Total/NA	Solid	8021B	44316
LCS 880-44316/1-A	Lab Control Sample	Total/NA	Solid	8021B	44316
LCSD 880-44316/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	44316
890-3857-1 MS	S-1	Total/NA	Solid	8021B	44316
890-3857-1 MSD	S-1	Total/NA	Solid	8021B	44316

Prep Batch: 44316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3857-1	S-1	Total/NA	Solid	5035	
890-3857-2	S-1	Total/NA	Solid	5035	
890-3857-3	S-1	Total/NA	Solid	5035	
890-3857-4	S-2	Total/NA	Solid	5035	
890-3857-5	S-3	Total/NA	Solid	5035	
890-3857-6	S-3	Total/NA	Solid	5035	
890-3857-7	S-3	Total/NA	Solid	5035	
MB 880-44316/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-44316/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-44316/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3857-1 MS	S-1	Total/NA	Solid	5035	
890-3857-1 MSD	S-1	Total/NA	Solid	5035	

Analysis Batch: 44395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3857-1	S-1	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Talon/LPE
Project/Site: COOPER 3

Job ID: 890-3857-1
SDG: 702520.051.01

GC VOA (Continued)

Analysis Batch: 44395 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3857-2	S-1	Total/NA	Solid	Total BTEX	
890-3857-3	S-1	Total/NA	Solid	Total BTEX	
890-3857-4	S-2	Total/NA	Solid	Total BTEX	
890-3857-5	S-3	Total/NA	Solid	Total BTEX	
890-3857-6	S-3	Total/NA	Solid	Total BTEX	
890-3857-7	S-3	Total/NA	Solid	Total BTEX	
890-3857-8	S-4	Total/NA	Solid	Total BTEX	
890-3857-9	S-5	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 44231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3857-1	S-1	Total/NA	Solid	8015NM Prep	
890-3857-2	S-1	Total/NA	Solid	8015NM Prep	
890-3857-3	S-1	Total/NA	Solid	8015NM Prep	
890-3857-4	S-2	Total/NA	Solid	8015NM Prep	
890-3857-5	S-3	Total/NA	Solid	8015NM Prep	
890-3857-6	S-3	Total/NA	Solid	8015NM Prep	
890-3857-7	S-3	Total/NA	Solid	8015NM Prep	
890-3857-8	S-4	Total/NA	Solid	8015NM Prep	
890-3857-9	S-5	Total/NA	Solid	8015NM Prep	
MB 880-44231/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-44231/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-44231/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3848-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-3848-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 44896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3857-1	S-1	Total/NA	Solid	8015B NM	44231
890-3857-2	S-1	Total/NA	Solid	8015B NM	44231
890-3857-3	S-1	Total/NA	Solid	8015B NM	44231
890-3857-4	S-2	Total/NA	Solid	8015B NM	44231
890-3857-5	S-3	Total/NA	Solid	8015B NM	44231
890-3857-6	S-3	Total/NA	Solid	8015B NM	44231
890-3857-7	S-3	Total/NA	Solid	8015B NM	44231
890-3857-8	S-4	Total/NA	Solid	8015B NM	44231
890-3857-9	S-5	Total/NA	Solid	8015B NM	44231
MB 880-44231/1-A	Method Blank	Total/NA	Solid	8015B NM	44231
LCS 880-44231/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	44231
LCSD 880-44231/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	44231
890-3848-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	44231
890-3848-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	44231

Analysis Batch: 45007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3857-1	S-1	Total/NA	Solid	8015 NM	
890-3857-2	S-1	Total/NA	Solid	8015 NM	
890-3857-3	S-1	Total/NA	Solid	8015 NM	
890-3857-4	S-2	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Talon/LPE
Project/Site: COOPER 3

Job ID: 890-3857-1
SDG: 702520.051.01

GC Semi VOA (Continued)

Analysis Batch: 45007 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3857-5	S-3	Total/NA	Solid	8015 NM	
890-3857-6	S-3	Total/NA	Solid	8015 NM	
890-3857-7	S-3	Total/NA	Solid	8015 NM	
890-3857-8	S-4	Total/NA	Solid	8015 NM	
890-3857-9	S-5	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 44197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3857-1	S-1	Soluble	Solid	DI Leach	
890-3857-2	S-1	Soluble	Solid	DI Leach	
890-3857-3	S-1	Soluble	Solid	DI Leach	
890-3857-4	S-2	Soluble	Solid	DI Leach	
890-3857-5	S-3	Soluble	Solid	DI Leach	
890-3857-6	S-3	Soluble	Solid	DI Leach	
890-3857-7	S-3	Soluble	Solid	DI Leach	
890-3857-8	S-4	Soluble	Solid	DI Leach	
890-3857-9	S-5	Soluble	Solid	DI Leach	
MB 880-44197/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-44197/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-44197/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3857-4 MS	S-2	Soluble	Solid	DI Leach	
890-3857-4 MSD	S-2	Soluble	Solid	DI Leach	

Analysis Batch: 44281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3857-1	S-1	Soluble	Solid	300.0	44197
890-3857-2	S-1	Soluble	Solid	300.0	44197
890-3857-3	S-1	Soluble	Solid	300.0	44197
890-3857-4	S-2	Soluble	Solid	300.0	44197
890-3857-5	S-3	Soluble	Solid	300.0	44197
890-3857-6	S-3	Soluble	Solid	300.0	44197
890-3857-7	S-3	Soluble	Solid	300.0	44197
890-3857-8	S-4	Soluble	Solid	300.0	44197
890-3857-9	S-5	Soluble	Solid	300.0	44197
MB 880-44197/1-A	Method Blank	Soluble	Solid	300.0	44197
LCS 880-44197/2-A	Lab Control Sample	Soluble	Solid	300.0	44197
LCSD 880-44197/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	44197
890-3857-4 MS	S-2	Soluble	Solid	300.0	44197
890-3857-4 MSD	S-2	Soluble	Solid	300.0	44197

Lab Chronicle

Client: Talon/LPE
Project/Site: COOPER 3

Job ID: 890-3857-1
SDG: 702520.051.01

Client Sample ID: S-1
Date Collected: 01/10/23 13:30
Date Received: 01/13/23 14:47

Lab Sample ID: 890-3857-1
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	44316	01/19/23 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44312	01/19/23 12:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44395	01/19/23 16:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45007	01/30/23 10:22	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44231	01/18/23 10:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44896	01/27/23 19:51	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	44197	01/17/23 16:43	KS	EET MID
Soluble	Analysis	300.0		1			44281	01/18/23 22:00	CH	EET MID

Client Sample ID: S-1
Date Collected: 01/10/23 13:35
Date Received: 01/13/23 14:47

Lab Sample ID: 890-3857-2
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			5.03 g	5 mL	44316	01/19/23 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44312	01/19/23 12:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44395	01/19/23 16:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45007	01/30/23 10:22	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	44231	01/18/23 10:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44896	01/27/23 20:14	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	44197	01/17/23 16:43	KS	EET MID
Soluble	Analysis	300.0		1			44281	01/18/23 22:06	CH	EET MID

Client Sample ID: S-1
Date Collected: 01/10/23 13:38
Date Received: 01/13/23 14:47

Lab Sample ID: 890-3857-3
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			5.04 g	5 mL	44316	01/19/23 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44312	01/19/23 13:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44395	01/19/23 16:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45007	01/30/23 10:22	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44231	01/18/23 10:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44896	01/27/23 20:37	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44197	01/17/23 16:43	KS	EET MID
Soluble	Analysis	300.0		1			44281	01/18/23 22:12	CH	EET MID

Client Sample ID: S-2
Date Collected: 01/10/23 13:40
Date Received: 01/13/23 14:47

Lab Sample ID: 890-3857-4
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			5.01 g	5 mL	44316	01/19/23 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44312	01/19/23 13:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44395	01/19/23 16:54	AJ	EET MID

Lab Chronicle

Client: Talon/LPE
Project/Site: COOPER 3

Job ID: 890-3857-1
SDG: 702520.051.01

Client Sample ID: S-2
Date Collected: 01/10/23 13:40
Date Received: 01/13/23 14:47

Lab Sample ID: 890-3857-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			45007	01/30/23 10:22	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44231	01/18/23 10:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44896	01/27/23 21:01	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44197	01/17/23 16:43	KS	EET MID
Soluble	Analysis	300.0		1			44281	01/18/23 22:18	CH	EET MID

Client Sample ID: S-3
Date Collected: 01/10/23 13:43
Date Received: 01/13/23 14:47

Lab Sample ID: 890-3857-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	44316	01/19/23 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44312	01/19/23 13:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44395	01/19/23 16:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45007	01/30/23 10:22	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	44231	01/18/23 10:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44896	01/27/23 21:48	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	44197	01/17/23 16:43	KS	EET MID
Soluble	Analysis	300.0		1			44281	01/18/23 22:35	CH	EET MID

Client Sample ID: S-3
Date Collected: 01/10/23 13:47
Date Received: 01/13/23 14:47

Lab Sample ID: 890-3857-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	44316	01/19/23 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44312	01/19/23 14:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44395	01/19/23 16:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45007	01/30/23 10:22	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	44231	01/18/23 10:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44896	01/27/23 22:09	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44197	01/17/23 16:43	KS	EET MID
Soluble	Analysis	300.0		1			44281	01/18/23 22:41	CH	EET MID

Client Sample ID: S-3
Date Collected: 01/10/23 13:45
Date Received: 01/13/23 14:47

Lab Sample ID: 890-3857-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44316	01/19/23 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44312	01/19/23 14:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44395	01/19/23 16:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45007	01/30/23 10:22	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44231	01/18/23 10:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44896	01/27/23 22:31	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Talon/LPE
Project/Site: COOPER 3

Job ID: 890-3857-1
SDG: 702520.051.01

Client Sample ID: S-3
Date Collected: 01/10/23 13:45
Date Received: 01/13/23 14:47

Lab Sample ID: 890-3857-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	44197	01/17/23 16:43	KS	EET MID
Soluble	Analysis	300.0		1			44281	01/18/23 22:59	CH	EET MID

Client Sample ID: S-4
Date Collected: 01/10/23 14:05
Date Received: 01/13/23 14:47

Lab Sample ID: 890-3857-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	44290	01/18/23 16:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44311	01/19/23 16:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44395	01/20/23 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45007	01/30/23 10:22	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44231	01/18/23 10:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44896	01/27/23 22:53	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	44197	01/17/23 16:43	KS	EET MID
Soluble	Analysis	300.0		1			44281	01/18/23 23:05	CH	EET MID

Client Sample ID: S-5
Date Collected: 01/10/23 14:08
Date Received: 01/13/23 14:47

Lab Sample ID: 890-3857-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	44290	01/18/23 16:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44311	01/19/23 16:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44395	01/20/23 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45007	01/30/23 10:22	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44231	01/18/23 10:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44896	01/27/23 23:15	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44197	01/17/23 16:43	KS	EET MID
Soluble	Analysis	300.0		1			44281	01/18/23 23:11	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: COOPER 3

Job ID: 890-3857-1
SDG: 702520.051.01

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: COOPER 3

Job ID: 890-3857-1
SDG: 702520.051.01

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: COOPER 3

Job ID: 890-3857-1
SDG: 702520.051.01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3857-1	S-1	Solid	01/10/23 13:30	01/13/23 14:47	0 - 1
890-3857-2	S-1	Solid	01/10/23 13:35	01/13/23 14:47	2
890-3857-3	S-1	Solid	01/10/23 13:38	01/13/23 14:47	3
890-3857-4	S-2	Solid	01/10/23 13:40	01/13/23 14:47	0 - 1
890-3857-5	S-3	Solid	01/10/23 13:43	01/13/23 14:47	0 - 1
890-3857-6	S-3	Solid	01/10/23 13:47	01/13/23 14:47	2.5
890-3857-7	S-3	Solid	01/10/23 13:45	01/13/23 14:47	2
890-3857-8	S-4	Solid	01/10/23 14:05	01/13/23 14:47	0 - 1
890-3857-9	S-5	Solid	01/10/23 14:08	01/13/23 14:47	0 - 1

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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:	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:	

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:	Cooper3	Turn Around	☒ Routine ☐ Rush
Project Number:	702520.051.01	Due Date:	
Project Location:	Lea	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Nrose		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TMM007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	1.2
Total Containers:		Corrected Temperature:	1.0

Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: Cl	BTEX	TPH	Sample Comments
S-1	Soil	1-10-23	1:30	0-1	Grab	1		X	X	X	
S-1			1:35	2							
S-1			1:38	3							
S-2			1:40	0-6"							
S-3			1:43	0-1							
S-3			1:47	2.5R							
S-3			1:45	2'							
S-4			1:05	0-12"							
S-5			2:08	0-1'							

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	Cloe Cup	1-13-22 1447	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer Jessica	Carrier Tracking No(s)	COC No: 890-1102 1
Client Contact: Shipping/Receiving	Phone	E-Mail: Jessica.Kramer@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-3857-1
Address: 1211 W Florida Ave,	Due Date Requested: 1/19/2023			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701	PO #:			
Phone: 432-704-5440(Tel)	WO #:			
Email	Project #: 89000040			
Project Name: COOPER 3	SSOW#:			
Site:				

Analysis Requested

Preservation Codes.

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/5035FP_Calc (MOD) BTEX and MTBE	8021B/5035FP_Calc (MOD) BTEX	Total_BTEX_GCV	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8015MOD_Calc	300_ORGFM_28D/DI_LEACH Chloride	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
S-1 (890-3857-1)	1/10/23	13 30 Mountain		Solid			X	X	X	X	X	X	1	
S-1 (890-3857-2)	1/10/23	13 35 Mountain		Solid			X	X	X	X	X	X	1	
S-1 (890-3857-3)	1/10/23	13 38 Mountain		Solid			X	X	X	X	X	X	1	
S-2 (890-3857-4)	1/10/23	13 40 Mountain		Solid			X	X	X	X	X	X	1	
S-3 (890-3857-5)	1/10/23	13 43 Mountain		Solid			X	X	X	X	X	X	1	
S-3 (890-3857-6)	1/10/23	13 47 Mountain		Solid			X	X	X	X	X	X	1	
S-3 (890-3857-7)	1/10/23	13 45 Mountain		Solid			X	X	X	X	X	X	1	
S-4 (890-3857-8)	1/10/23	14 05 Mountain		Solid			X	X	X	X	X	X	1	
S-5 (890-3857-9)	1/10/23	14 08 Mountain		Solid			X	X	X	X	X	X	1	

Note Since laboratory accreditations are subject to change Eurofins Environment Testing South Central, LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing South Central LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central LLC

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-3857-1
SDG Number: 702520.051.01

Login Number: 3857
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: 890-3857-1
SDG Number: 702520.051.01

Login Number: 3857
List Number: 2
Creator: Teel, Brianna

List Source: Eurofins Midland
List Creation: 01/17/23 11:09 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	

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 259521

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 259521
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	9/1/2023