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Closure Report

Paul Tank Battery

Eddy County, New Mexico

Incident # nAPP2125042984

Prepared For:

Matador Resources

5347 N. 26th Street, 2nd Floor

Artesia, New Mexico 88210

Prepared By:

Talon/LPE, Ltd.

408 W. Texas Avenue

Artesia, New Mexico 88210

May 31, 2024

**New Mexico Oil Conservation District**

506 W. Texas Ave
Artesia, New Mexico 88210

Subject: **Closure Report**
Paul Tank Battery
Eddy County, New Mexico
Incident # nAPP2125042984

To Whom It May Concern,

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

Site Information

The Paul Tank Battery is located approximately 2.4 miles southeast of Malaga, New Mexico. The legal location for this release is Unit Letter D, Section 25, Township 24S, and Range 28E in Eddy County, New Mexico. The latitude and longitude for the site is 32.195663, -104.048697. Site maps are presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soils in the area are made up of Karo loam and Reeves loam with 0 to 1 percent slopes. The referenced soil data is presented in [Appendix II](#). Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology consists of the Rustler Formation sediments consisting of siltstones, gypsum, sandstone, and dolomite, Upper Permian in age. Drainage courses in this area are typically well drained.

Groundwater and Site Characterization

Based on New Mexico Office of the State Engineer Database, the nearest reported groundwater depth is 90 feet below ground surface (bgs) and is located approximately 0.41 miles from the subject site.

The FEMA Flood Map Service Center does not locate the site in a 100-year flood plain. Further research of the Bureau of Land Management Karst indicates that the site is located in a medium potential karst area. See [Appendix II](#) for the site characterization data.

If a release occurs within the following areas, the responsible party must treat the release as if it occurred in an area where the groundwater is less than 50 feet bgs in Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29 NMAC.

Site Characterization

What is the shallowest depth to groundwater beneath the area affected by the release?	Between 51 - 100 (ft bgs)
What method was used to determine the depth to groundwater?	NM OSE iWaters Database Search
Did the release impact groundwater or surface water?	No
Distance from a flowing watercourse or any other significant watercourse.	Between 1 - 5 mi
Distance from any lakebed, sinkhole, or playa lake.	Between 1 - 5 mi
Distance from an occupied permanent residence, school, hospital, institution, or church.	Between 1/2 and 1 mi
Distance from a spring or private domestic fresh water well used by less than five households for domestic or stock watering purposes.	Between 1/2 and 1 mi
Distance from any fresh water well or spring.	Between 1/2 and 1 mi
Distance from incorporated municipal boundaries or a defined municipal fresh water field.	Between 1 - 5 mi
Distance from a wetland.	Greater than 5 mi
Distance from a subsurface mine.	Greater than 5 mi
Distance from (non-karst) unstable area.	Greater than 5 mi

Categorize the risk of this well/site being in a karst geology.	Medium
Distance from a 100 year floodplain.	Between 1 - 5 mi
Did the release impact areas not on an exploration, development, production, or storage site?	Yes

The pasture portion of this incident must follow the closure criteria where groundwater is less than 50 feet bgs. The production pad portion of the incident follows closure criteria where groundwater is greater than 51 feet bgs.

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

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
51-100 feet	Total Chlorides	EPA 300.0 or SM4500 Cl B	10,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	TPH (GRO+DRO)	EPA SW-846 Method 8015M	1,000 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

On September 4, 2021, approximately 16.5 barrels (bbls) of produced water were discharged onto the well pad due to a water line leak on the salt water disposal pump. A vacuum truck was dispatched and 0.5 bbls of produced water was recovered from the area. The release was

reported to the NMOCD and was assigned incident # nAPP2125042984.

Site maps of the release are presented in [Appendix I](#). Initial C-141 spill notifications were filed with the NMOCD and are attached in [Appendix III](#).

Site Assessment Activities

Thirteen (13) surface soil sample locations were collected on August 31, 2023. The samples (S-1 through S-13) were collected to establish horizontal delineation of the release. Three (3) soil samples (S-15, S-16, and S-17) were collected from the adjacent pasture areas.

On November 9, 2023, six (6) previous sample locations (S-1, S-2, S-3, S-4, S-12 and S-17) were resampled to determine vertical delineation utilizing test trenches completed with a backhoe. The sample areas (S-2, S-3, and S-4) were completed to a depth of 13 feet bgs. The sample area (S-1) was delineated at 1 foot bgs. The samples areas (S-12 and S-17) were completed to a final depth of 3 feet bgs.

On November 15, 2023, three (3) surface soil samples (S-18, S-19 and S-20) were collected from areas east, north, and west of the current tank battery location at the site.

Samples were taken and transported with the chain of custody to the Envirotech, Inc. laboratory in Farmington, New Mexico, for analysis of Total Chlorides (EPA Method 300.0/9056A), Total Petroleum Hydrocarbons (TPH, EPA Method 8015D) and Volatile Organics (BTEX, EPA Method 8021B).

Results from the initial sampling event are presented on Table 1 in [Appendix VI](#) and the complete laboratory reports can be found in [Appendix V](#). Sample locations are shown on the Assessment Map attached in [Appendix I](#).

Remediation Activities

Upon client authorization, excavation activities began on December 6, 2023, and continued through December 18, 2023. Based upon assessment data, the previous spill was horizontally defined on the pad location. The adjacent pasture areas, as identified by the assessment sample areas S-12 and S-17, were completed to a depth of 5 feet bgs. The depth and horizontal extent of the pasture excavation was guided by onsite field titration data.

Final confirmation samples were collected on December 21, 2023 to confirm that NMOCD closure criteria had been met for all areas outside of the deferment area, the results of which can be found in Table 2 located in [Appendix VI](#). Confirmation sample locations and excavation

dimensions can be found on the Confirmation Map in [Appendix I](#).

Samples were taken and transported with the chain of custody to the Envirotech, Inc. laboratory in Farmington, New Mexico for analysis of Total Chlorides (EPA Method 300.0/9056A), Total Petroleum Hydrocarbons (TPH, EPA Method 8015D) and Volatile Organics (BTEX, EPA Method 8021B). Complete laboratory reports for the remediation efforts are attached in [Appendix V](#) and summarized in Tables 1 and 2 located in [Appendix VI](#).

Regulatory Response

On February 2, 2024, the NMOCD denied the submitted closure report. The NMOD stated "Closure denied. Sample S-1 exceeds Table 1 closure criteria and was not addressed in remedial activities. Submit a report via the OCD permitting portal by June 7, 2024."

Corrective Action

On April 15, 2024, Talon personnel were mobilized to the subject location to collect additional delineation samples for the soil assessment area of S-1. The area was excavated to a depth of one (1) foot bgs. Composite samples were collected from the excavation bottom (C-1 0-1') and sidewalls (SW-1, SW-2, SW-3, and SW-4).

Samples were taken and transported with the chain of custody to the Envirotech, Inc. laboratory in Farmington, New Mexico for analysis of Total Chlorides (EPA Method 300.0/9056A), Total Petroleum Hydrocarbons (TPH, EPA Method 8015D) and Volatile Organics (BTEX, EPA Method 8021B). The laboratory report for the remediation effort is included in [Appendix V](#) and summarized in Table 2 located in [Appendix VI](#).

Remedial Action Summary

- The impacted pasture areas were excavated to a final depth of 5 feet bgs. Talon field titrated soil samples for total chlorides to guide the vertical and horizontal extents of the excavation process.
- The area of S-1 on the pad location was excavated to a depth of 1 foot bgs. The confirmation samples were labeled C-1 0-1' for the bottom of the excavation and SW-1 through SW-4 for the corresponding sidewalls.
- Horizontal delineation outside of the release area was completed based on depth to groundwater criteria.

- Pursuant to NMOCD guidance, confirmation soil samples were collected at 200 square foot intervals and analyzed for TPH, BTEX, and Total Chlorides to insure all areas had reached NMOCD closure criteria.
- The excavated areas were backfilled with locally obtained topsoil.
- Approximately 142 cubic yards of excavated material was transported to Lea Land, LLC, a NMOCD approved solid waste disposal facility.
- A copy of the initial C-141 form is presented in [Appendix III](#).
- Photographic documentation is provided in [Appendix IV](#).

Closure

Based on the site assessment and characterization data, remedial actions completed, and confirmation sampling results obtained for this project, on behalf of Matador Resources, we respectfully request that no further actions be required and that closure of this incident be granted.

Should you have any questions or if further information is required, please do not hesitate to contact our office at (575) 746-8768.

Respectfully submitted,
Talon/LPE, Ltd.


Kayla Taylor
Project Manager


David J. Adkins
Regional Manager

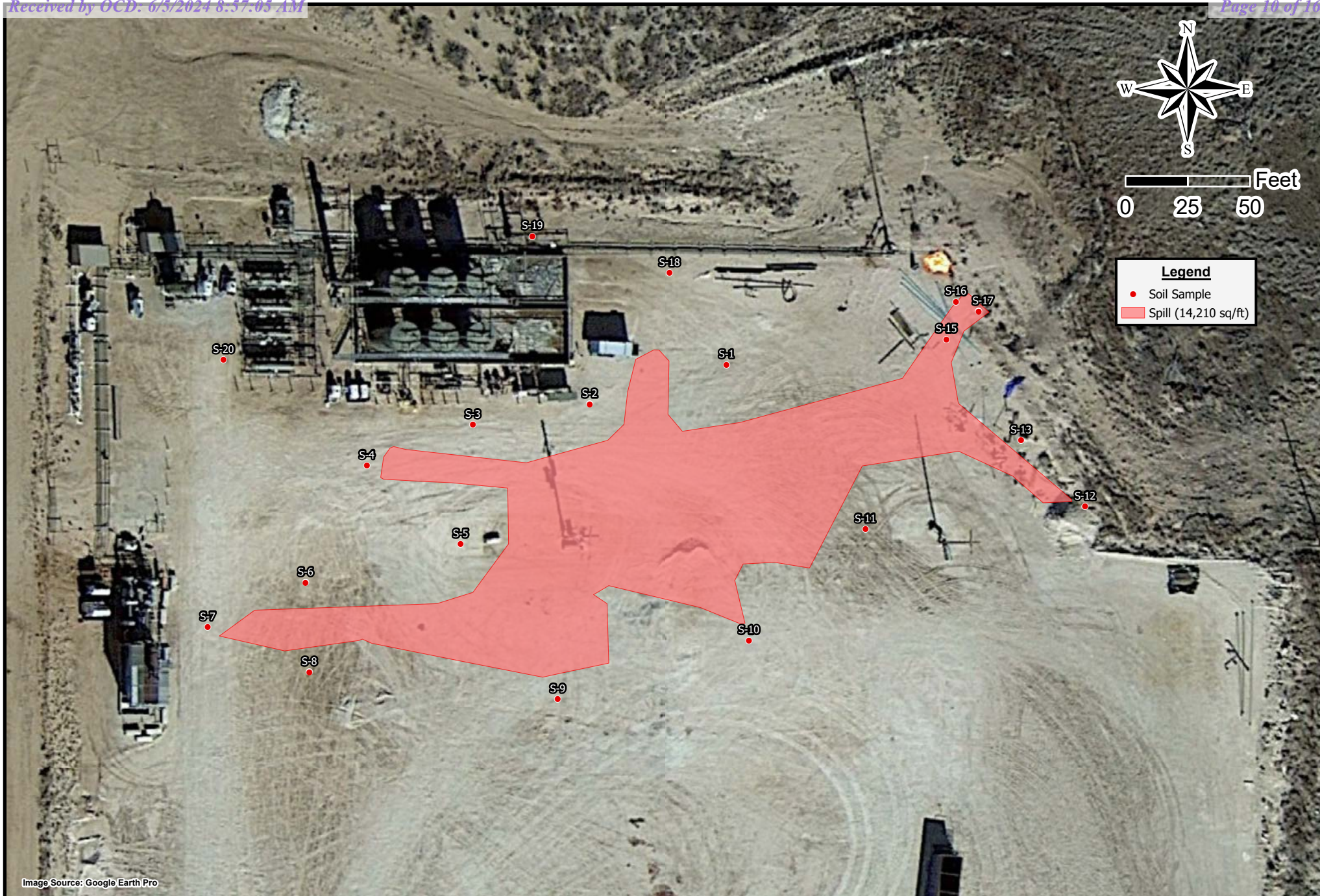
Attachments:

Appendix I	Site Maps
Appendix II	Groundwater and Soil Data, FEMA Flood Map
Appendix III	C-141 Forms NMOCD Correspondence
Appendix IV	Photographic Documentation
Appendix V	Tables
Appendix VI	Laboratory Analytical Data



APPENDIX I

Site Maps



Drafted: 12/29/2023

1 in = 50 ft

Drafted By: IJR

Matador Resources
Paul Tank Battery
Eddy County, NM
32.195663°, -104.048697°
Assessment Map



Image Source: Google Earth Pro

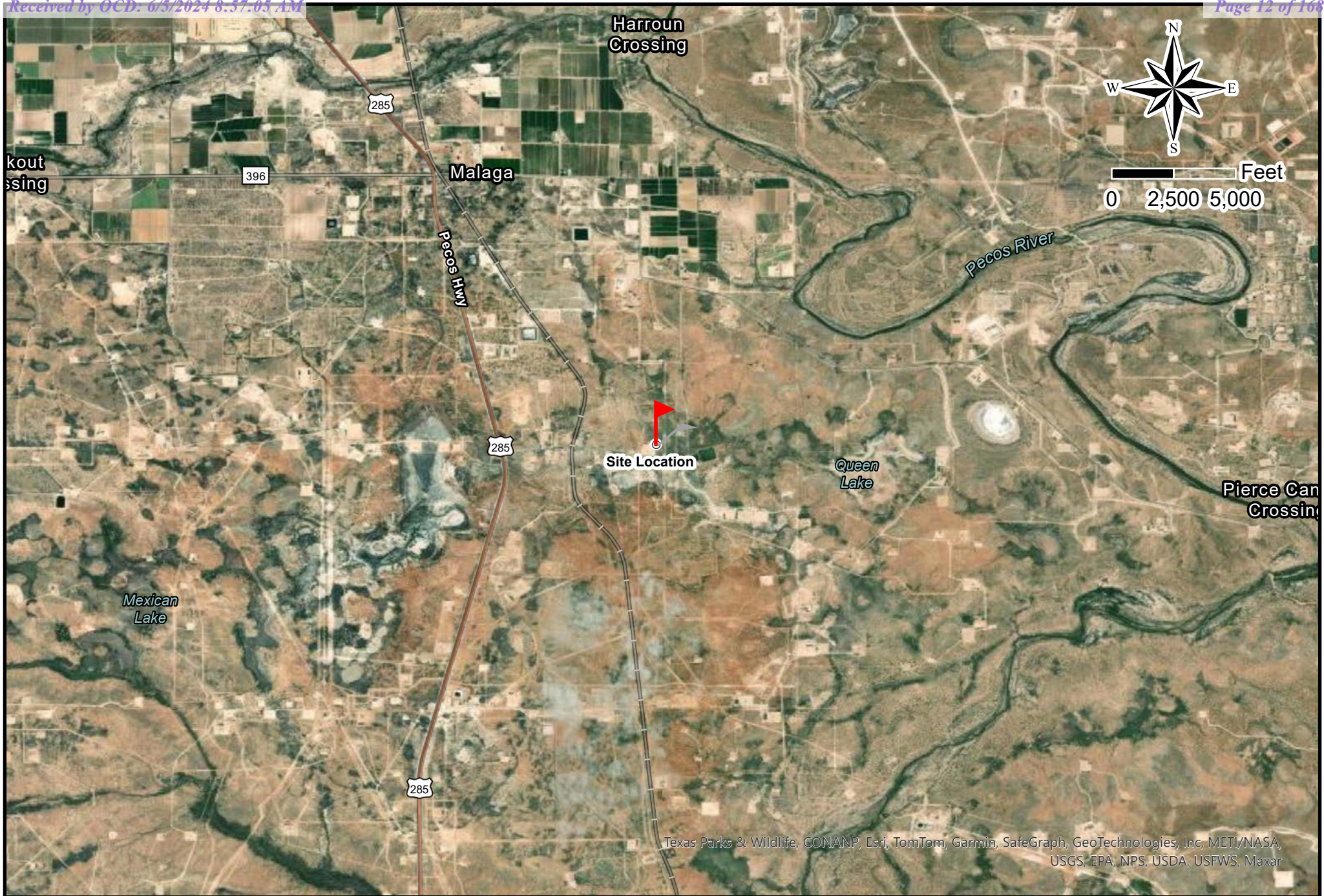


Drafted: 12/29/2023

1 in = 30 ft

Drafted By: IJR

Matador Resources
Paul Tank Battery
Eddy County, NM
32.195663°, -104.048697°
Confirmation Map

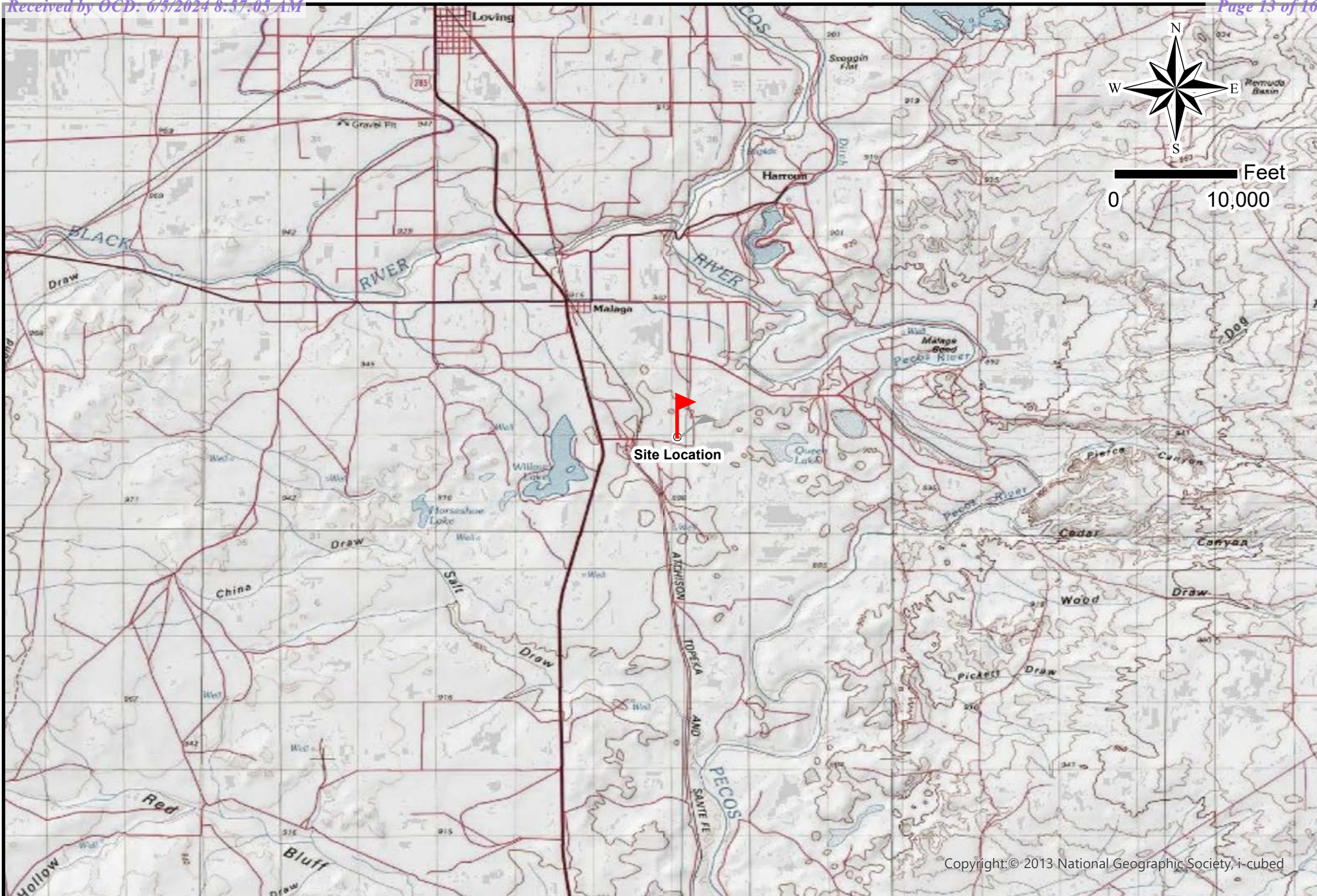


Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, USFWS, Maxar



Drafted: 12/29/2023
1 in = 5,000 ft
Drafted By: IJR

Matador Resources
Paul Tank Battery
Eddy County, NM
32.195663°, -104.048697°
Location Map



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Drafted: 12/29/2023

1 in = 10,000 ft

Drafted By: IJR

Matador Resources
Paul Tank Battery
Eddy County, NM
32.195663°, -104.048697°
Topographic Map



APPENDIX II

Groundwater and Soil Data, FEMA Flood Map



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

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	Code	POD	County	Q Q Q						X	Y	Distance	Depth	Well	Depth	Water	Column
		Sub-basin		64	16	4	Sec	Tws	Rng								
C_04026 POD1		CUB	ED	3	2	1	25	24S	28E	590148	3562290		480	190	90	100	
C_04180 POD1		CUB	ED	2	1	2	26	24S	28E	589055	3562502		655	160	58	102	
C_03833 POD1		C	ED	2	1	2	26	24S	28E	589014	3562545		698	96	55	41	
C_03423		CUB	ED	2	4	1	26	24S	28E	588786	3561952		1068	126			
C_04151 POD1		CUB	ED	4	2	1	26	24S	28E	588584	3562192		1164	280	65	215	
C_04181 POD1		CUB	ED	3	2	1	26	24S	28E	588450	3562146		1305	280	56	224	
C_04181 POD2		C	ED	3	2	1	26	24S	28E	588393	3562212		1345	80	56	24	
C_03358 POD1		CUB	ED	1	4	1	26	24S	28E	588416	3562116		1346	135			
C_04294 POD1		CUB	ED	4	3	3	23	24S	28E	588169	3562646		1549	60			
C_00353	C	CUB	ED		3	4	13	24S	28E	590603	3564367*		2079	2726			
C_04222 POD2		CUB	ED	1	2	4	22	24S	28E	587707	3563255		2145	100	40	60	
C_04263 POD1		CUB	ED	3	1	1	23	24S	28E	588026	3563915		2207	390	370	20	
C_00354	C	CUB	ED		4	4	13	24S	28E	591005	3564367*		2281	2739			
C_02057		C	ED		1	4	14	24S	28E	588956	3564774*		2406	126	52	74	
C_03986 POD1		CUB	ED	3	4	2	22	24S	28E	587505	3563502		2427	170	120	50	
C_00857		CUB	ED	3	1	4	30	24S	29E	592135	3561440*		2641	306			
C_00750		CUB	ED	1	2	4	13	24S	28E	590898	3564871*		2662	110			
C_02244		C	LE	3	1	2	22	24S	28E	587224	3563865*		2842	260			
C_00349	C	CUB	ED		1	3	18	24S	29E	591401	3564773*		2842	2734			
C_00856		CUB	ED	1	2	4	30	24S	29E	592538	3561644*		2950	380			
C_00862		CUB	ED	1	2	4	30	24S	29E	592538	3561644*		2950	155			
C_00738		CUB	ED	3	1	1	13	24S	28E	589673	3565472*		2983	125	12	113	

Average Depth to Water: 88 feet

Minimum Depth: **12 feet**

Maximum Depth: **370 feet**

Record Count: 22

UTMNAD83 Radius Search (in meters):

Easting (X): 589710.41

Northing (Y): 3562488.29

Radius: 3000

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

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

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WATER COLUMN/ AVERAGE DEPTH TO
WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

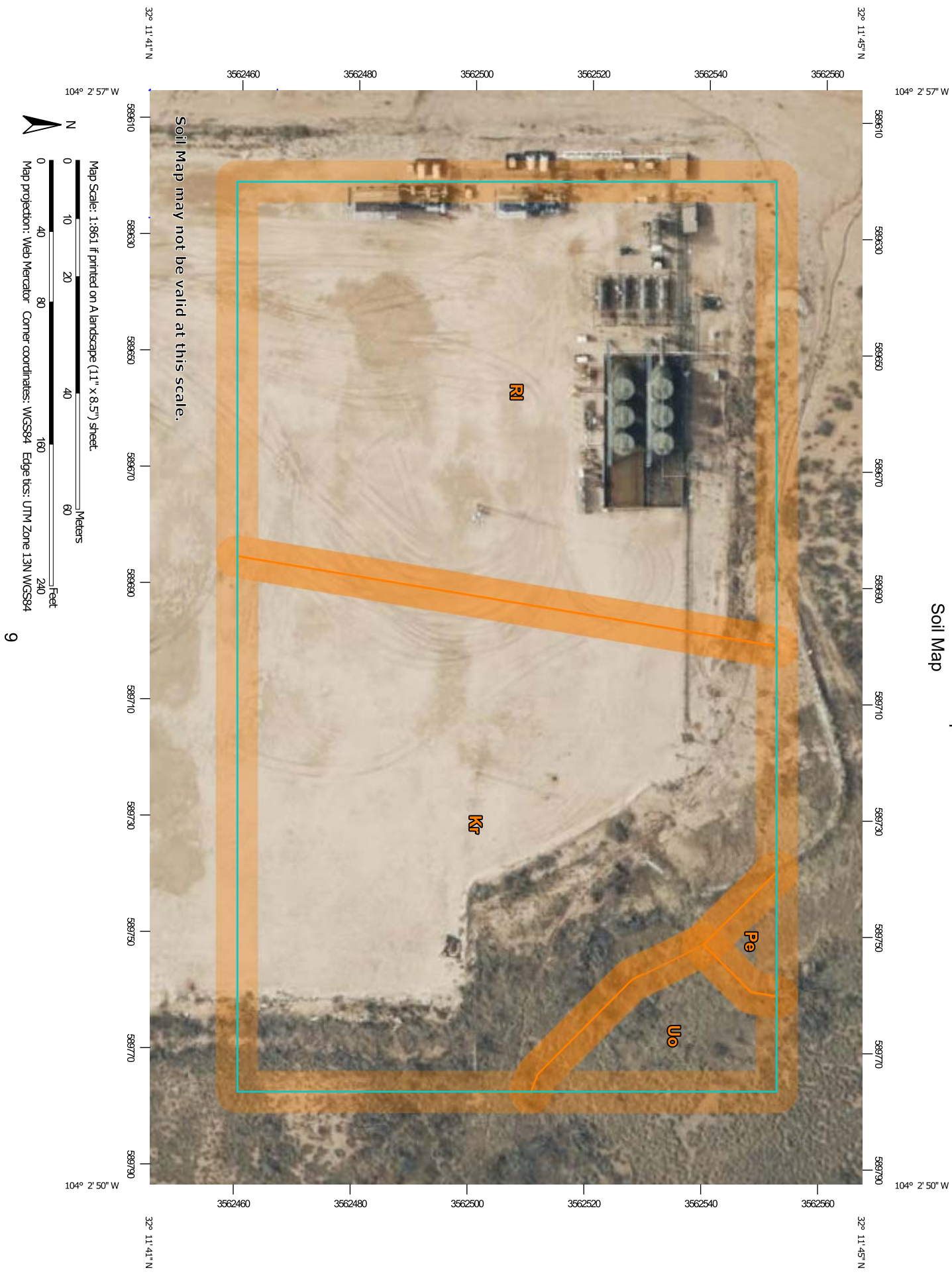
		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	C 04026 POD1	3	2	1	25	24S	28E	590148	3562290 
Driller License: 331		Driller Company:		SBQ2, LLC DBA STEWART BROTHERS DRILLING CO.					
Driller Name:									
Drill Start Date: 04/25/2017		Drill Finish Date:		04/26/2017		Plug Date:			
Log File Date: 05/16/2017		PCW Rcv Date:				Source: Shallow			
Pump Type:		Pipe Discharge Size:				Estimated Yield:			
Casing Size: 8.60		Depth Well:		190 feet		Depth Water: 90 feet			
Water Bearing Stratifications:				Top	Bottom	Description			
				120	190	Sandstone/Gravel/Conglomerate			
Casing Perforations:				Top	Bottom				
				88	190				

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

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POINT OF DIVERSION SUMMARY

Custom Soil Resource Report
Soil Map



Custom Soil Resource Report

Eddy Area, New Mexico**Kr—Karro loam, 0 to 1 percent slopes****Map Unit Setting***National map unit symbol: 1w4v**Elevation: 2,500 to 5,300 feet**Mean annual precipitation: 10 to 15 inches**Mean annual air temperature: 57 to 64 degrees F**Frost-free period: 200 to 230 days**Farmland classification: Farmland of statewide importance***Map Unit Composition***Karro and similar soils: 99 percent**Minor components: 1 percent**Estimates are based on observations, descriptions, and transects of the mapunit.***Description of Karro****Setting***Landform: Plains, alluvial fans**Landform position (three-dimensional): Riser, talf, rise**Down-slope shape: Convex, linear**Across-slope shape: Linear**Parent material: Mixed alluvium***Typical profile***H1 - 0 to 10 inches: loam**H2 - 10 to 90 inches: clay loam***Properties and qualities***Slope: 0 to 1 percent**Depth to restrictive feature: More than 80 inches**Drainage class: Well drained**Runoff class: Medium**Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)**Depth to water table: More than 80 inches**Frequency of flooding: None**Frequency of ponding: None**Calcium carbonate, maximum content: 60 percent**Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)**Sodium adsorption ratio, maximum: 1.0**Available water supply, 0 to 60 inches: High (about 10.5 inches)***Interpretive groups***Land capability classification (irrigated): 2s**Land capability classification (nonirrigated): 6s**Hydrologic Soil Group: C**Ecological site: R070BC030NM - Limy**Hydric soil rating: No***Minor Components****Reeves***Percent of map unit: 1 percent*

Custom Soil Resource Report

Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Pe—Pima silt loam, 0 to 1 percent slopes**Map Unit Setting**

National map unit symbol: 1w58
Elevation: 600 to 4,200 feet
Mean annual precipitation: 8 to 25 inches
Mean annual air temperature: 60 to 70 degrees F
Frost-free period: 195 to 290 days
Farmland classification: Prime farmland if irrigated

Map Unit Composition

Pima and similar soils: 98 percent
Minor components: 2 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pima**Setting**

Landform: Flood plains, alluvial flats, alluvial fans
Landform position (three-dimensional): Talf, rise
Down-slope shape: Convex, linear
Across-slope shape: Linear, convex
Parent material: Alluvium

Typical profile

H1 - 0 to 3 inches: silt loam
H2 - 3 to 60 inches: silty clay loam

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: Rare
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: High (about 11.9 inches)

Interpretive groups

Land capability classification (irrigated): 1
Land capability classification (nonirrigated): 7c
Hydrologic Soil Group: C
Ecological site: R070BC017NM - Bottomland

Custom Soil Resource Report

Hydric soil rating: No

Minor Components**Reagan**

Percent of map unit: 1 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Dev

Percent of map unit: 1 percent

Ecological site: R070BC017NM - Bottomland

Hydric soil rating: No

RI—Reeves loam, 0 to 1 percent slopes**Map Unit Setting**

National map unit symbol: 1w5p

Elevation: 1,250 to 4,800 feet

Mean annual precipitation: 10 to 25 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 120 to 225 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Reeves and similar soils: 98 percent

Minor components: 2 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Reeves**Setting**

Landform: Ridges, plains, hills

Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope

Landform position (three-dimensional): Side slope, head slope, nose slope, crest

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Residuum weathered from gypsum

Typical profile

Ap - 0 to 8 inches: loam

H2 - 8 to 32 inches: clay loam

H3 - 32 to 60 inches: gypsiferous material

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)

Custom Soil Resource Report

Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 25 percent
Gypsum, maximum content: 80 percent
Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Low (about 4.3 inches)

Interpretive groups

Land capability classification (irrigated): 3s
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: B
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Minor Components**Karro**

Percent of map unit: 1 percent
Ecological site: R070BC030NM - Limy
Hydric soil rating: No

Cottonwood

Percent of map unit: 1 percent
Ecological site: R070BB006NM - Gyp Upland
Hydric soil rating: No

Uo—Upton gravelly loam, 0 to 9 percent slopes**Map Unit Setting**

National map unit symbol: 1w67
Elevation: 1,100 to 4,400 feet
Mean annual precipitation: 7 to 15 inches
Mean annual air temperature: 60 to 70 degrees F
Frost-free period: 200 to 240 days
Farmland classification: Not prime farmland

Map Unit Composition

Upton and similar soils: 96 percent
Minor components: 4 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Upton**Setting**

Landform: Ridges, fans
Landform position (three-dimensional): Side slope, rise
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Residuum weathered from limestone

Custom Soil Resource Report

Typical profile

H1 - 0 to 9 inches: gravelly loam
H2 - 9 to 13 inches: gravelly loam
H3 - 13 to 21 inches: cemented
H4 - 21 to 60 inches: very gravelly loam

Properties and qualities

Slope: 0 to 9 percent
Depth to restrictive feature: 7 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high
(0.01 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 75 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R070BC025NM - Shallow
Hydric soil rating: No

Minor Components**Atoka**

Percent of map unit: 1 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Atoka

Percent of map unit: 1 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Reagan

Percent of map unit: 1 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

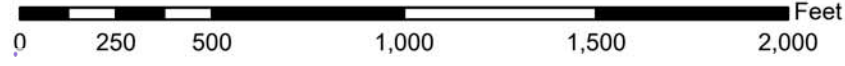
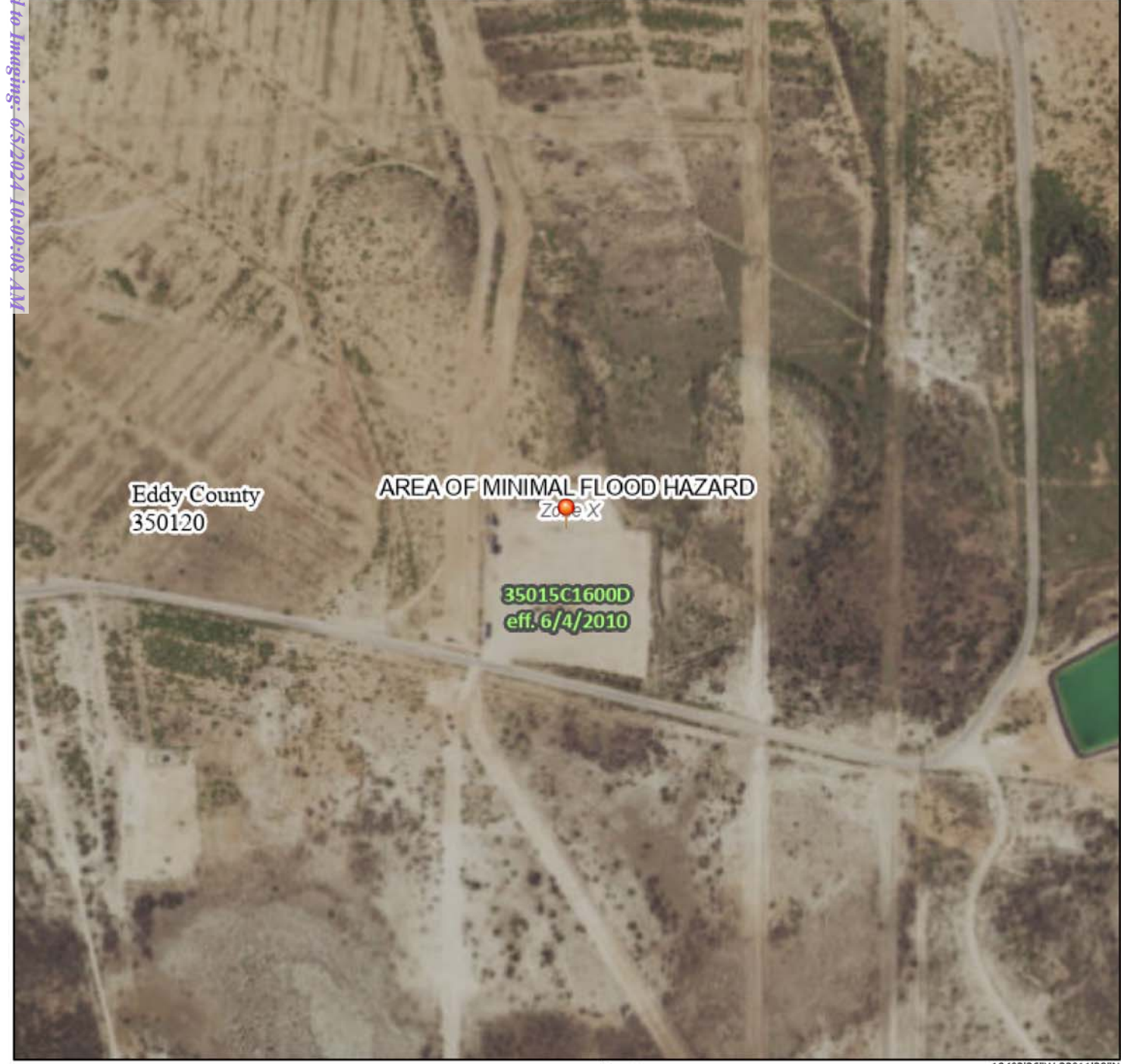
Upton

Percent of map unit: 1 percent
Ecological site: R070BC025NM - Shallow
Hydric soil rating: No

National Flood Hazard Layer FIRMette



104°3'13"W 32°11'59"N



1:6,000

104°2'36"W 32°11'29"N

Basemap Imagery Source: USGS National Map 2023

Legend

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

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

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

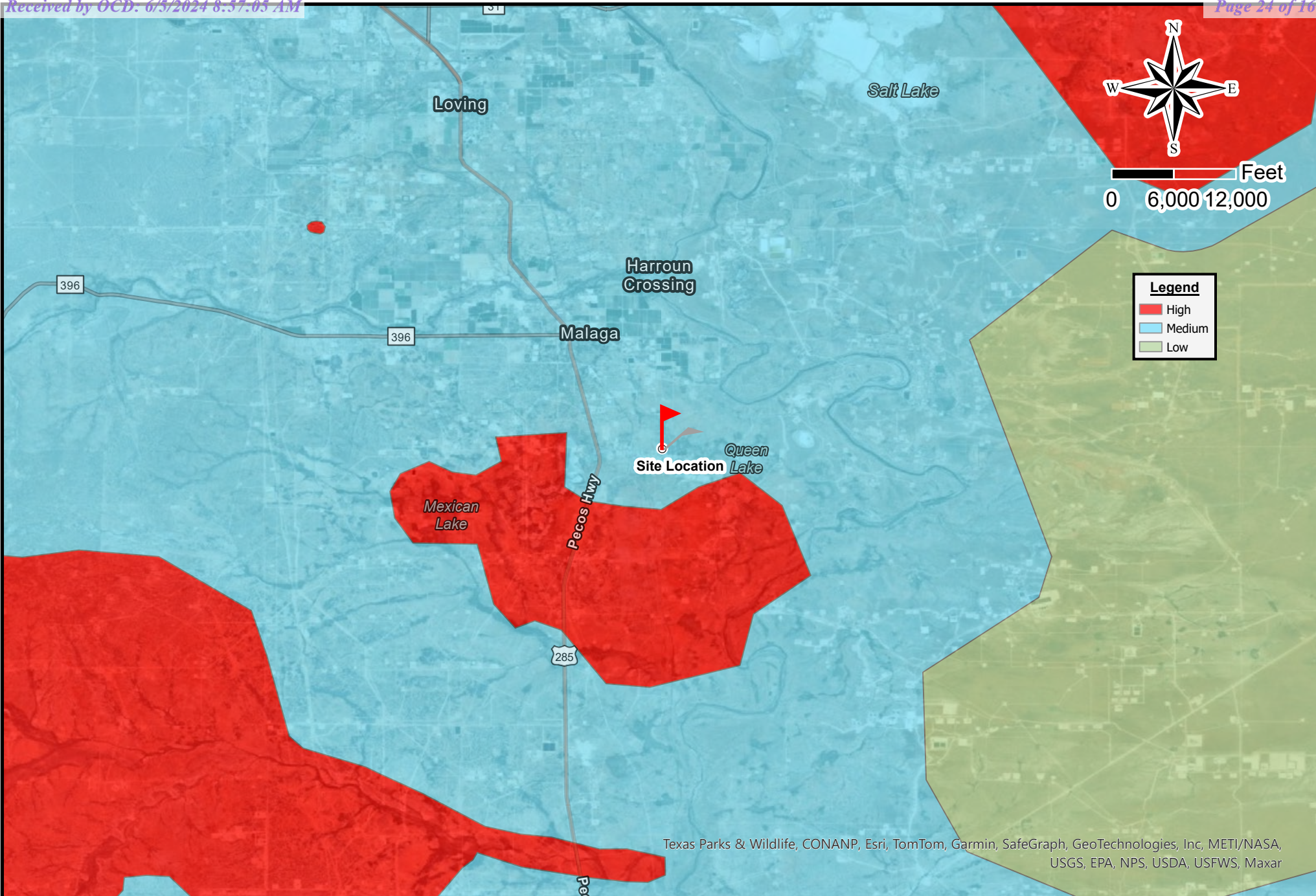
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **12/20/2023 at 1:42 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

Released to Imaging: 6/5/2024 10:09:08 AM

Received by OCD: 6/5/2024 8:57:05 AM



Drafted: 12/29/2023
1 in = 12,000 ft
Drafted By: IJR

Matador Resources
Paul Tank Battery
Eddy County, NM
32.195663°, -104.048697°
Karst Map



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	nAPP2125042984
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Matador Production Company	OGRID: 228937
Contact Name: Arsenio Jones	Contact Telephone: 575-361-4333
Contact email: arsenio.jones@matadorresources.com	Incident # (assigned by OCD)
Contact mailing address: 5400 LBJ Freeway, Suite 1500 Dallas, TX 75240	

Location of Release Source

Latitude 32.195663 Longitude -104.048697
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Paul Tank Battery	Site Type: Oil
Date Release Discovered: 09/04/2021	API# (if applicable)

Unit Letter	Section	Township	Range	County
D	25	24S	28E	Eddy

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: Scott Branson)

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)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 16.5 bbls	Volume Recovered (bbls) 0.5 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)
☐	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release:

Nipple to SWD pump failed.

Incident ID	nAPP2125042984
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 <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Arsenio Jones</u>	Title: <u>RES Specialist</u>
Signature: _____	Date: _____
email: <u>arsenio.jones@matadorresources.com</u>	Telephone: <u>575-361-4333</u>
<u>OCD Only</u>	
Received by: _____	Date: _____

Incident ID	nAPP2125042984
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?	<u>90</u> (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	nAPP2125042984
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: Arsenio Jones Title: RES Specialist

Signature: _____ Date: _____

email: arsenio.jones@matadorresources.com Telephone: 575-361-4333

OCD Only

Received by: Jocelyn Harimon Date: 01/12/2023

From: [Wells, Shelly, EMNRD](#)
To: [Chad Hensley](#)
Cc: [Bratcher, Michael, EMNRD](#); [Hamlet, Robert, EMNRD](#)
Subject: RE: [EXTERNAL] Confirmation sampling event
Date: Tuesday, August 29, 2023 9:47:31 AM
Attachments: [image001.png](#)
[image002.png](#)

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

Good morning Chad,

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

Thank you,

Shelly

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

-

From: Chad Hensley <chensley@talonlpe.com>
Sent: Tuesday, August 29, 2023 8:03 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; spills@slo.state.nm.us
Cc: spills@slo.state.nm.us; 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.

Talon of behalf of Matador will be conducting a sampling event:

Site Name: PAUL TANK BATTERY
ID# NAPP2125042984
API: 30-015-43018
Sampling date: 8/31/23 12pm
E-25-24S-28E
32.195596,-104.048536

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



Paul Tank Battery
Eddy County, New Mexico



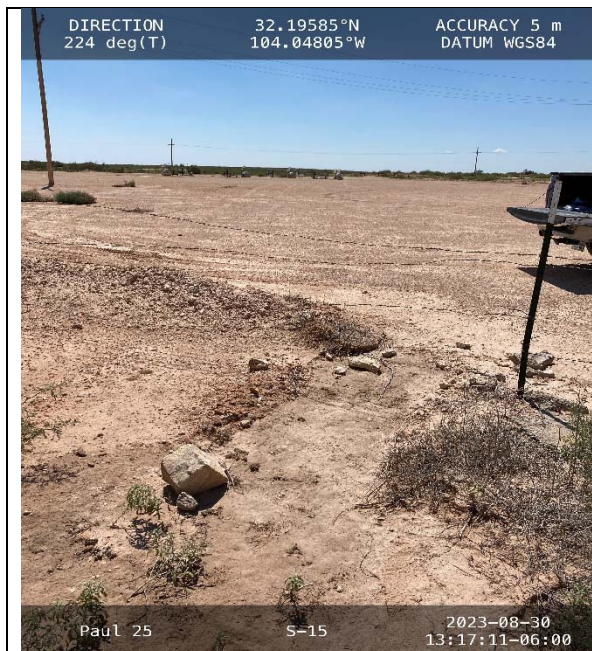
Photograph No.1 Description:

Soil assessment of sample location S-16



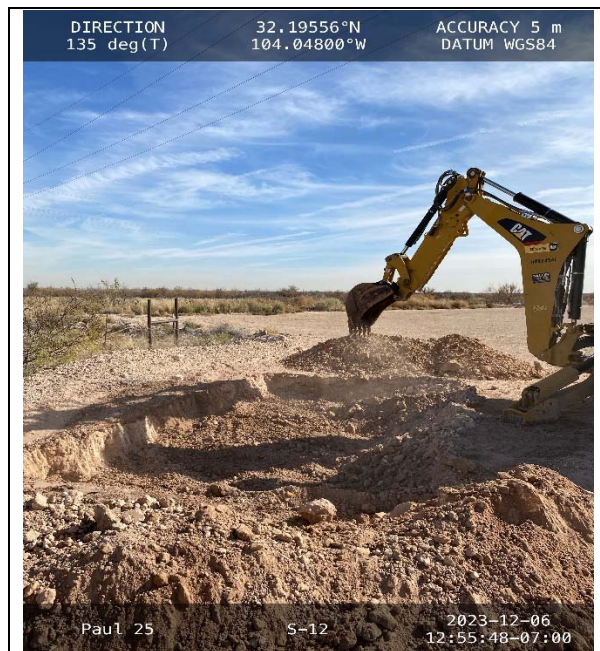
Photograph No.2 Description:

Soil assessment of sample location S-17



Photograph No.3 Description:

Site location during soil assessment

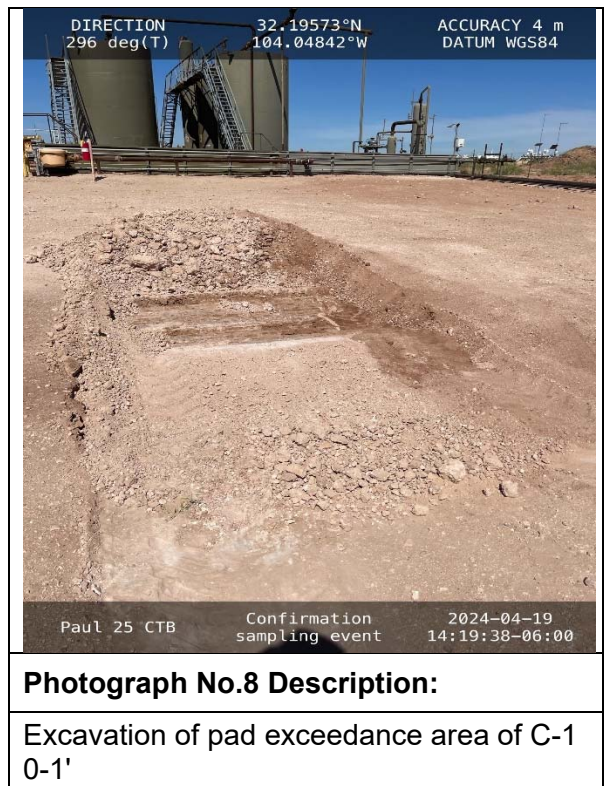
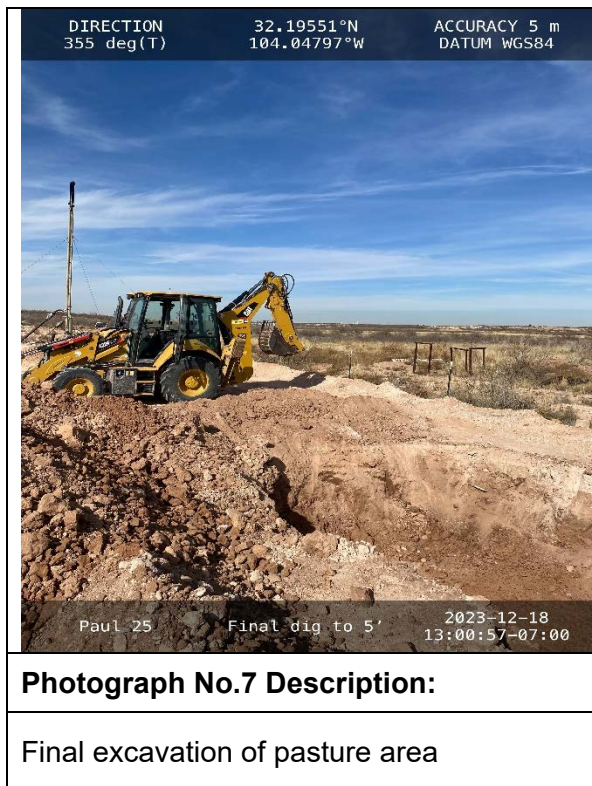


Photograph No.4 Description:

View of excavation activities

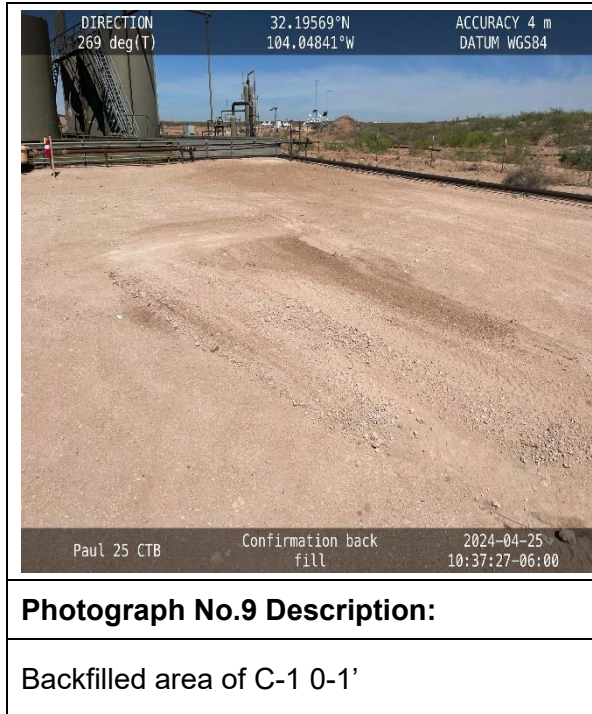


Paul Tank Battery
Eddy County, New Mexico





Paul Tank Battery
Eddy County, New Mexico



Photograph No.9 Description:

Backfilled area of C-1 0-1'



APPENDIX V

Tables

Table 1
Assessment Analytical Data Summary

Sample ID	Sample Date	Depth in Feet (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	8/31/2023	0	ND	ND	ND	6720	4970	11690	581
	11/9/2023	1	ND	ND	ND	ND	ND	0	484
S-2	8/31/2023	0	ND	ND	ND	33.7	ND	33.7	5110
	11/9/2023	3	ND	ND	ND	ND	ND	0	2440
	11/9/2023	7	ND	ND	ND	ND	ND	0	1480
	11/9/2023	13	ND	ND	ND	ND	ND	0	1530
S-3	8/31/2023	0	ND	ND	ND	28.2	65.2	93.4	2210
	11/9/2023	3	ND	ND	ND	ND	ND	0	1190
	11/9/2023	8	ND	ND	ND	ND	ND	0	1520
	11/9/2023	13	ND	ND	ND	ND	ND	0	2190
S-4	8/31/2023	0	ND	ND	ND	531	379	910	5160
	11/9/2023	3	ND	ND	ND	ND	ND	0	1700
	11/9/2023	8	ND	ND	ND	ND	ND	0	1630
	11/9/2023	13	ND	ND	ND	ND	ND	0	2900
S-5	8/31/2023	0	ND	ND	ND	ND	ND	0	368
S-6	8/31/2023	0	ND	ND	ND	ND	72.8	72.8	106
S-7	8/31/2023	0	ND	ND	ND	ND	ND	0	91.1
S-8	8/31/2023	0	ND	ND	ND	ND	ND	0	ND
S-9	8/31/2023	0	ND	ND	ND	ND	ND	0	195
S-10	8/31/2023	0	ND	ND	ND	ND	ND	0	44.8
S-11	8/31/2023	0	ND	ND	ND	ND	ND	0	79.1
S-12	8/31/2023	0	ND	ND	ND	ND	ND	0	1120
	11/9/2023	1	ND	ND	ND	30.9	ND	30.9	777
	11/9/2023	3	ND	ND	ND	ND	ND	0	21.3
S-13	8/31/2023	0	ND	ND	ND	ND	61.0	61.0	93.3
S-15	8/31/2023	1	ND	ND	ND	ND	ND	0	ND
	8/31/2023	2 R	ND	ND	ND	ND	ND	0	62.5
S-16	8/31/2023	1	ND	ND	ND	ND	ND	0	363
	8/31/2023	2	ND	ND	ND	ND	ND	0	77.6
	8/31/2023	4	ND	ND	ND	ND	ND	0	ND

Table 1
Assessment Analytical Data Summary

Sample ID	Sample Date	Depth in Feet (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-17	8/31/2023	1	ND	ND	ND	ND	ND	0	ND
	8/31/2023	2 R	ND	ND	ND	ND	ND	0	608
	11/9/2023	3	ND	ND	ND	ND	ND	0	22.6
S-18	11/15/2023	0	ND	ND	ND	ND	ND	0	ND
S-19	11/15/2023	0	ND	ND	ND	ND	ND	0	ND
S-20	11/15/2023	0	ND	ND	ND	ND	ND	0	85.2

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
R Refusal
ND Analyte Not Detected

Highlighted cells indicate exceedance of NMOCD Table 1 Closure Criteria

Table 2
Confirmation Analytical Data Summary

Sample ID	Sample Date	Depth in Feet (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	12/21/2023	5	ND	ND	ND	ND	76.9	76.9	112
C-2	12/21/2023	5	ND	ND	ND	ND	74.5	74.5	99.9
C-3	12/21/2023	5	ND	ND	ND	ND	ND	ND	73.1
C-4	12/21/2023	5	ND	ND	ND	ND	ND	ND	77.1
SW-1	12/21/2023	5	ND	ND	ND	26.9	71.8	98.7	295
SW-2	12/21/2023	5	ND	ND	ND	ND	66.8	66.8	ND
SW-3	12/21/2023	5	ND	ND	ND	ND	ND	ND	207
SW-4	12/21/2023	5	ND	ND	ND	ND	ND	ND	314
SW-5	12/21/2023	5	ND	ND	ND	ND	ND	ND	388
SW-6	12/21/2023	5	ND	ND	ND	ND	ND	ND	81.5
SW-7	12/21/2023	5	ND	ND	ND	ND	53.4	53.4	74.5
SW-8	12/21/2023	5	ND	ND	ND	ND	ND	ND	91.6
C-1 0-1'	4/15/2024	1	ND	ND	ND	ND	ND	ND	75.4
SW-1	4/15/2024	1	ND	ND	ND	ND	ND	ND	67.6
SW-2	4/15/2024	1	ND	ND	ND	ND	ND	ND	63.0
SW-3	4/15/2024	1	ND	ND	ND	ND	ND	ND	ND
SW-4	4/15/2024	1	ND	ND	ND	ND	ND	ND	ND

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
C Confirmation Sample
SW Sidewall Sample
ND Analyte Not Detected

Highlighted cells indicate exceedance of NMOCD Table 1 Closure Criteria



APPENDIX VI

Laboratory Analytical Data

Report to:
Chad Hensley



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Talon LPE

Project Name: Paul 25
Work Order: E309024
Job Number: 23042-0001
Received: 9/5/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/12/23

5796 U.S. Hwy 64
Farmington, NM 87401
Phone: (505) 632-1881
Envirotech-inc.com



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

Date Reported: 9/12/23

Chad Hensley
408 W Texas Ave
Artesia, NM 88210



Project Name: Paul 25
Workorder: E309024
Date Received: 9/5/2023 8:15:00AM

Chad Hensley,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/5/2023 8:15:00AM, under the Project Name: Paul 25.

The analytical test results summarized in this report with the Project Name: Paul 25 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Talon LPE	Project Name:	Paul 25	Reported:
408 W Texas Ave	Project Number:	23042-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	09/12/23 13:19

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S-1 Surface	E309024-01A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-2 Surface	E309024-02A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-3 Surface	E309024-03A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-4 Surface	E309024-04A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-5 Surface	E309024-05A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-6 Surface	E309024-06A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-7 Surface	E309024-07A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-8 Surface	E309024-08A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-9 Surface	E309024-09A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-10 Surface	E309024-10A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-11 Surface	E309024-11A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-12 Surface	E309024-12A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-13 Surface	E309024-13A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-14 Surface	E309024-14A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-15 1'	E309024-15A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-15 2' REFUSAL	E309024-16A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-16 1'	E309024-17A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-16 2'	E309024-18A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-16 4'	E309024-19A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S17 - 1'	E309024-20A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-17 2' REFUSAL	E309024-21A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.



Sample Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Paul 25 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 9/12/2023 1:19:10PM
---	--	----------------------------------

S-1 Surface
E309024-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY		Batch: 2336042	
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene	120 %	70-130		09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4	98.5 %	70-130		09/06/23	09/08/23	
Surrogate: Toluene-d8	111 %	70-130		09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2336042	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene	120 %	70-130		09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4	98.5 %	70-130		09/06/23	09/08/23	
Surrogate: Toluene-d8	111 %	70-130		09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2336065	
Diesel Range Organics (C10-C28)	6720	250	10	09/08/23	09/11/23	
Oil Range Organics (C28-C36)	4970	500	10	09/08/23	09/11/23	
Surrogate: n-Nonane	88.0 %	50-200		09/08/23	09/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2336053	
Chloride	581	200	10	09/06/23	09/09/23	



Sample Data

Talon LPE
408 W Texas Ave
Artesia NM, 88210

Project Name: Paul 25
Project Number: 23042-0001
Project Manager: Chad Hensley

Reported:
9/12/2023 1:19:10PM

S-2 Surface

E309024-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2336042	
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		122 %	70-130	09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	09/06/23	09/08/23	
Surrogate: Toluene-d8		112 %	70-130	09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2336042	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		122 %	70-130	09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	09/06/23	09/08/23	
Surrogate: Toluene-d8		112 %	70-130	09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2336065	
Diesel Range Organics (C10-C28)	33.7	25.0	1	09/08/23	09/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/09/23	
Surrogate: n-Nonane		103 %	50-200	09/08/23	09/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2336053	
Chloride	5110	1000	50	09/06/23	09/09/23	



Sample Data

Talon LPE
408 W Texas Ave
Artesia NM, 88210

Project Name: Paul 25
Project Number: 23042-0001
Project Manager: Chad Hensley

Reported:
9/12/2023 1:19:10PM

S-3 Surface

E309024-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2336042	
Benzene	ND	0.0250	1	09/06/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/07/23	
Toluene	ND	0.0250	1	09/06/23	09/07/23	
o-Xylene	ND	0.0250	1	09/06/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/07/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/06/23	09/07/23	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	09/06/23	09/07/23	
Surrogate: Toluene-d8		111 %	70-130	09/06/23	09/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2336042	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/07/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/06/23	09/07/23	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	09/06/23	09/07/23	
Surrogate: Toluene-d8		111 %	70-130	09/06/23	09/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2336065	
Diesel Range Organics (C10-C28)	28.2	25.0	1	09/08/23	09/09/23	
Oil Range Organics (C28-C36)	65.2	50.0	1	09/08/23	09/09/23	
Surrogate: n-Nonane		105 %	50-200	09/08/23	09/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2336053	
Chloride	2210	100	5	09/06/23	09/09/23	



Sample Data

Talon LPE
408 W Texas Ave
Artesia NM, 88210

Project Name: Paul 25
Project Number: 23042-0001
Project Manager: Chad Hensley

Reported:
9/12/2023 1:19:10PM

S-4 Surface

E309024-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336042
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		120 %	70-130	09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130	09/06/23	09/08/23	
Surrogate: Toluene-d8		111 %	70-130	09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336042
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		120 %	70-130	09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130	09/06/23	09/08/23	
Surrogate: Toluene-d8		111 %	70-130	09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2336065
Diesel Range Organics (C10-C28)	531	25.0	1	09/08/23	09/09/23	
Oil Range Organics (C28-C36)	379	50.0	1	09/08/23	09/09/23	
Surrogate: n-Nonane		104 %	50-200	09/08/23	09/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2336053
Chloride	5160	400	20	09/06/23	09/09/23	



Sample Data

Talon LPE
408 W Texas Ave
Artesia NM, 88210

Project Name: Paul 25
Project Number: 23042-0001
Project Manager: Chad Hensley

Reported:
9/12/2023 1:19:10PM

S-5 Surface

E309024-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336042
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		119 %	70-130	09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130	09/06/23	09/08/23	
Surrogate: Toluene-d8		112 %	70-130	09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336042
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		119 %	70-130	09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130	09/06/23	09/08/23	
Surrogate: Toluene-d8		112 %	70-130	09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2336065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/09/23	
Surrogate: n-Nonane		109 %	50-200	09/08/23	09/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2336053
Chloride	368	100	5	09/06/23	09/09/23	



Sample Data

Talon LPE
408 W Texas Ave
Artesia NM, 88210

Project Name: Paul 25
Project Number: 23042-0001
Project Manager: Chad Hensley

Reported:
9/12/2023 1:19:10PM

S-6 Surface

E309024-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336042
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		120 %	70-130	09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	09/06/23	09/08/23	
Surrogate: Toluene-d8		111 %	70-130	09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336042
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		120 %	70-130	09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	09/06/23	09/08/23	
Surrogate: Toluene-d8		111 %	70-130	09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2336065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/09/23	
Oil Range Organics (C28-C36)	72.8	50.0	1	09/08/23	09/09/23	
Surrogate: n-Nonane		108 %	50-200	09/08/23	09/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2336053
Chloride	106	100	5	09/06/23	09/09/23	



Sample Data

Talon LPE	Project Name:	Paul 25	Reported: 9/12/2023 1:19:10PM
408 W Texas Ave	Project Number:	23042-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	

S-7 Surface
E309024-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2336042	
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		117 %	70-130	09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130	09/06/23	09/08/23	
Surrogate: Toluene-d8		111 %	70-130	09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2336042	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		117 %	70-130	09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130	09/06/23	09/08/23	
Surrogate: Toluene-d8		111 %	70-130	09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2336065	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/09/23	
Surrogate: n-Nonane		111 %	50-200	09/08/23	09/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2336053	
Chloride	91.1	40.0	2	09/06/23	09/09/23	



Sample Data

Talon LPE
408 W Texas Ave
Artesia NM, 88210

Project Name: Paul 25
Project Number: 23042-0001
Project Manager: Chad Hensley

Reported:
9/12/2023 1:19:10PM

S-8 Surface

E309024-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336042
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	09/06/23	09/08/23	
Surrogate: Toluene-d8		111 %	70-130	09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336042
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	09/06/23	09/08/23	
Surrogate: Toluene-d8		111 %	70-130	09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2336065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/09/23	
Surrogate: n-Nonane		105 %	50-200	09/08/23	09/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2336053
Chloride	ND	200	10	09/06/23	09/09/23	



Sample Data

Talon LPE
408 W Texas Ave
Artesia NM, 88210

Project Name: Paul 25
Project Number: 23042-0001
Project Manager: Chad Hensley

Reported:
9/12/2023 1:19:10PM

S-9 Surface

E309024-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336042
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	09/06/23	09/08/23	
Surrogate: Toluene-d8		111 %	70-130	09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336042
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	09/06/23	09/08/23	
Surrogate: Toluene-d8		111 %	70-130	09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2336065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/09/23	
Surrogate: n-Nonane		110 %	50-200	09/08/23	09/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2336053
Chloride	195	40.0	2	09/06/23	09/09/23	



Sample Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Paul 25 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 9/12/2023 1:19:10PM
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S-10 Surface
E309024-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2336042	
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		119 %	70-130	09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130	09/06/23	09/08/23	
Surrogate: Toluene-d8		112 %	70-130	09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2336042	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		119 %	70-130	09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130	09/06/23	09/08/23	
Surrogate: Toluene-d8		112 %	70-130	09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2336065	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/11/23	
Surrogate: n-Nonane		104 %	50-200	09/08/23	09/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2336053	
Chloride	44.8	20.0	1	09/06/23	09/09/23	



Sample Data

Talon LPE	Project Name:	Paul 25	Reported: 9/12/2023 1:19:10PM
408 W Texas Ave	Project Number:	23042-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	

S-11 Surface
E309024-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2336042	
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		120 %	70-130	09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	09/06/23	09/08/23	
Surrogate: Toluene-d8		110 %	70-130	09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2336042	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		120 %	70-130	09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	09/06/23	09/08/23	
Surrogate: Toluene-d8		110 %	70-130	09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2336065	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/11/23	
Surrogate: n-Nonane		107 %	50-200	09/08/23	09/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2336053	
Chloride	79.1	20.0	1	09/06/23	09/09/23	



Sample Data

Talon LPE
408 W Texas Ave
Artesia NM, 88210

Project Name: Paul 25
Project Number: 23042-0001
Project Manager: Chad Hensley

Reported:
9/12/2023 1:19:10PM

S-12 Surface

E309024-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336042
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		118 %	70-130	09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130	09/06/23	09/08/23	
Surrogate: Toluene-d8		110 %	70-130	09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336042
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		118 %	70-130	09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130	09/06/23	09/08/23	
Surrogate: Toluene-d8		110 %	70-130	09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2336065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/11/23	
Surrogate: n-Nonane		103 %	50-200	09/08/23	09/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2336053
Chloride	1120	200	10	09/06/23	09/09/23	



Sample Data

Talon LPE
408 W Texas Ave
Artesia NM, 88210

Project Name: Paul 25
Project Number: 23042-0001
Project Manager: Chad Hensley

Reported:
9/12/2023 1:19:10PM

S-13 Surface

E309024-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336042
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		118 %	70-130	09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	09/06/23	09/08/23	
Surrogate: Toluene-d8		111 %	70-130	09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336042
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		118 %	70-130	09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	09/06/23	09/08/23	
Surrogate: Toluene-d8		111 %	70-130	09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2336065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/11/23	
Oil Range Organics (C28-C36)	61.0	50.0	1	09/08/23	09/11/23	
Surrogate: n-Nonane		107 %	50-200	09/08/23	09/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2336053
Chloride	93.3	40.0	2	09/06/23	09/09/23	



Sample Data

Talon LPE
408 W Texas Ave
Artesia NM, 88210

Project Name: Paul 25
Project Number: 23042-0001
Project Manager: Chad Hensley

Reported:
9/12/2023 1:19:10PM

S-15 1'

E309024-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336042
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		120 %	70-130	09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	09/06/23	09/08/23	
Surrogate: Toluene-d8		111 %	70-130	09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336042
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		120 %	70-130	09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	09/06/23	09/08/23	
Surrogate: Toluene-d8		111 %	70-130	09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2336065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/11/23	
Surrogate: n-Nonane		98.6 %	50-200	09/08/23	09/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2336053
Chloride	ND	40.0	2	09/06/23	09/09/23	



Sample Data

Talon LPE	Project Name:	Paul 25	Reported: 9/12/2023 1:19:10PM
408 W Texas Ave	Project Number:	23042-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	

S-15 2' REFUSAL
E309024-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2336042	
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	09/06/23	09/08/23	
Surrogate: Toluene-d8		113 %	70-130	09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2336042	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	09/06/23	09/08/23	
Surrogate: Toluene-d8		113 %	70-130	09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2336065	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/11/23	
Surrogate: n-Nonane		98.5 %	50-200	09/08/23	09/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2336053	
Chloride	62.5	40.0	2	09/06/23	09/09/23	



Sample Data

Talon LPE
408 W Texas Ave
Artesia NM, 88210

Project Name: Paul 25
Project Number: 23042-0001
Project Manager: Chad Hensley

Reported:
9/12/2023 1:19:10PM

S-16 1'

E309024-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336042
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		119 %	70-130	09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	09/06/23	09/08/23	
Surrogate: Toluene-d8		110 %	70-130	09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336042
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		119 %	70-130	09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	09/06/23	09/08/23	
Surrogate: Toluene-d8		110 %	70-130	09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2336065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/11/23	
Surrogate: n-Nonane		96.4 %	50-200	09/08/23	09/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2336053
Chloride	363	40.0	2	09/06/23	09/09/23	



Sample Data

Talon LPE
408 W Texas Ave
Artesia NM, 88210

Project Name: Paul 25
Project Number: 23042-0001
Project Manager: Chad Hensley

Reported:
9/12/2023 1:19:10PM

S-16 2'

E309024-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336042
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		118 %	70-130	09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	09/06/23	09/08/23	
Surrogate: Toluene-d8		112 %	70-130	09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336042
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		118 %	70-130	09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	09/06/23	09/08/23	
Surrogate: Toluene-d8		112 %	70-130	09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2336065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/11/23	
Surrogate: n-Nonane		95.8 %	50-200	09/08/23	09/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2336053
Chloride	77.6	40.0	2	09/06/23	09/09/23	



Sample Data

Talon LPE	Project Name:	Paul 25	Reported: 9/12/2023 1:19:10PM
408 W Texas Ave	Project Number:	23042-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	

S-16 4'
E309024-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY		Batch: 2336042	
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		120 %	70-130	09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	09/06/23	09/08/23	
Surrogate: Toluene-d8		111 %	70-130	09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2336042	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		120 %	70-130	09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	09/06/23	09/08/23	
Surrogate: Toluene-d8		111 %	70-130	09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2336065	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/11/23	
Surrogate: n-Nonane		94.2 %	50-200	09/08/23	09/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2336053	
Chloride	ND	100	5	09/06/23	09/09/23	



Sample Data

Talon LPE
408 W Texas Ave
Artesia NM, 88210

Project Name: Paul 25
Project Number: 23042-0001
Project Manager: Chad Hensley

Reported:
9/12/2023 1:19:10PM

S17 - 1'

E309024-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336042
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		122 %	70-130	09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130	09/06/23	09/08/23	
Surrogate: Toluene-d8		111 %	70-130	09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336042
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		122 %	70-130	09/06/23	09/08/23	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130	09/06/23	09/08/23	
Surrogate: Toluene-d8		111 %	70-130	09/06/23	09/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2336065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/11/23	
Surrogate: n-Nonane		94.6 %	50-200	09/08/23	09/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2336053
Chloride	ND	100	5	09/06/23	09/09/23	



Sample Data

Talon LPE
408 W Texas Ave
Artesia NM, 88210

Project Name: Paul 25
Project Number: 23042-0001
Project Manager: Chad Hensley

Reported:
9/12/2023 1:19:10PM

S-17 2' REFUSAL

E309024-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2336027
Benzene	ND	0.0250	1	09/06/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/07/23	
Toluene	ND	0.0250	1	09/06/23	09/07/23	
o-Xylene	ND	0.0250	1	09/06/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/07/23	
Surrogate: Bromofluorobenzene		106 %	70-130	09/06/23	09/07/23	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	09/06/23	09/07/23	
Surrogate: Toluene-d8		104 %	70-130	09/06/23	09/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2336027
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/07/23	
Surrogate: Bromofluorobenzene		106 %	70-130	09/06/23	09/07/23	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	09/06/23	09/07/23	
Surrogate: Toluene-d8		104 %	70-130	09/06/23	09/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2336060
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/09/23	
Surrogate: n-Nonane		102 %	50-200	09/07/23	09/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2336052
Chloride	608	100	5	09/06/23	09/08/23	



QC Summary Data

Talon LPE	Project Name:	Paul 25	Reported:
408 W Texas Ave	Project Number:	23042-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2336027-BLK1) Prepared: 09/06/23 Analyzed: 09/06/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.532		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

LCS (2336027-BS1) Prepared: 09/06/23 Analyzed: 09/06/23

Benzene	2.83	0.0250	2.50		113	70-130			
Ethylbenzene	2.77	0.0250	2.50		111	70-130			
Toluene	2.85	0.0250	2.50		114	70-130			
o-Xylene	2.83	0.0250	2.50		113	70-130			
p,m-Xylene	5.60	0.0500	5.00		112	70-130			
Total Xylenes	8.43	0.0250	7.50		112	70-130			
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.7	70-130			
Surrogate: Toluene-d8	0.535		0.500		107	70-130			

Matrix Spike (2336027-MS1) Source: E309029-21 Prepared: 09/06/23 Analyzed: 09/06/23

Benzene	2.71	0.0250	2.50	ND	108	48-131			
Ethylbenzene	2.73	0.0250	2.50	ND	109	45-135			
Toluene	2.78	0.0250	2.50	ND	111	48-130			
o-Xylene	2.91	0.0250	2.50	ND	116	43-135			
p,m-Xylene	5.77	0.0500	5.00	ND	115	43-135			
Total Xylenes	8.68	0.0250	7.50	ND	116	43-135			
Surrogate: Bromofluorobenzene	0.531		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		96.0	70-130			
Surrogate: Toluene-d8	0.534		0.500		107	70-130			

Matrix Spike Dup (2336027-MSD1) Source: E309029-21 Prepared: 09/06/23 Analyzed: 09/06/23

Benzene	2.75	0.0250	2.50	ND	110	48-131	1.78	23	
Ethylbenzene	2.79	0.0250	2.50	ND	112	45-135	1.94	27	
Toluene	2.82	0.0250	2.50	ND	113	48-130	1.48	24	
o-Xylene	2.93	0.0250	2.50	ND	117	43-135	0.753	27	
p,m-Xylene	5.77	0.0500	5.00	ND	115	43-135	0.0173	27	
Total Xylenes	8.71	0.0250	7.50	ND	116	43-135	0.265	27	
Surrogate: Bromofluorobenzene	0.532		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.453		0.500		90.6	70-130			
Surrogate: Toluene-d8	0.531		0.500		106	70-130			



Talon LPE	Project Name:	Paul 25	Reported:
408 W Texas Ave	Project Number:	23042-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2336042-BLK1)Prepared: 09/06/23 Analyzed: 09/07/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.591		0.500		118	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.558		0.500		112	70-130			

LCS (2336042-BS1)Prepared: 09/06/23 Analyzed: 09/07/23

Benzene	2.39	0.0250	2.50		95.6	70-130			
Ethylbenzene	2.52	0.0250	2.50		101	70-130			
Toluene	2.53	0.0250	2.50		101	70-130			
o-Xylene	2.66	0.0250	2.50		106	70-130			
p,m-Xylene	5.30	0.0500	5.00		106	70-130			
Total Xylenes	7.96	0.0250	7.50		106	70-130			
Surrogate: Bromofluorobenzene	0.608		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.1	70-130			
Surrogate: Toluene-d8	0.557		0.500		111	70-130			

Matrix Spike (2336042-MS1)Source: E309024-03Prepared: 09/06/23 Analyzed: 09/07/23

Benzene	2.41	0.0250	2.50	ND	96.4	48-131			
Ethylbenzene	2.53	0.0250	2.50	ND	101	45-135			
Toluene	2.57	0.0250	2.50	ND	103	48-130			
o-Xylene	2.71	0.0250	2.50	ND	108	43-135			
p,m-Xylene	5.40	0.0500	5.00	ND	108	43-135			
Total Xylenes	8.11	0.0250	7.50	ND	108	43-135			
Surrogate: Bromofluorobenzene	0.609		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.550		0.500		110	70-130			

Matrix Spike Dup (2336042-MSD1)Source: E309024-03Prepared: 09/06/23 Analyzed: 09/07/23

Benzene	2.51	0.0250	2.50	ND	100	48-131	3.82	23	
Ethylbenzene	2.63	0.0250	2.50	ND	105	45-135	3.86	27	
Toluene	2.65	0.0250	2.50	ND	106	48-130	2.95	24	
o-Xylene	2.84	0.0250	2.50	ND	114	43-135	4.52	27	
p,m-Xylene	5.64	0.0500	5.00	ND	113	43-135	4.48	27	
Total Xylenes	8.48	0.0250	7.50	ND	113	43-135	4.50	27	
Surrogate: Bromofluorobenzene	0.625		0.500		125	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.1	70-130			
Surrogate: Toluene-d8	0.557		0.500		111	70-130			



QC Summary Data

Talon LPE	Project Name:	Paul 25	Reported:
408 W Texas Ave	Project Number:	23042-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2336027-BLK1) Prepared: 09/06/23 Analyzed: 09/06/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.532		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

LCS (2336027-BS2) Prepared: 09/06/23 Analyzed: 09/06/23

Gasoline Range Organics (C6-C10)	58.7	20.0	50.0		117	70-130			
Surrogate: Bromofluorobenzene	0.536		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.1	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			

Matrix Spike (2336027-MS2) Source: E309029-21 Prepared: 09/06/23 Analyzed: 09/06/23

Gasoline Range Organics (C6-C10)	51.6	20.0	50.0	ND	103	70-130			
Surrogate: Bromofluorobenzene	0.532		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.4	70-130			
Surrogate: Toluene-d8	0.536		0.500		107	70-130			

Matrix Spike Dup (2336027-MSD2) Source: E309029-21 Prepared: 09/06/23 Analyzed: 09/06/23

Gasoline Range Organics (C6-C10)	59.6	20.0	50.0	ND	119	70-130	14.4	20	
Surrogate: Bromofluorobenzene	0.534		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.1	70-130			
Surrogate: Toluene-d8	0.545		0.500		109	70-130			



QC Summary Data

Talon LPE	Project Name:	Paul 25	Reported:
408 W Texas Ave	Project Number:	23042-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2336042-BLK1)					Prepared: 09/06/23 Analyzed: 09/07/23				
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.591		0.500		118	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.558		0.500		112	70-130			

LCS (2336042-BS2)					Prepared: 09/06/23 Analyzed: 09/08/23				
Gasoline Range Organics (C6-C10)	54.1	20.0	50.0		108	70-130			
Surrogate: Bromofluorobenzene	0.597		0.500		119	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.7	70-130			
Surrogate: Toluene-d8	0.569		0.500		114	70-130			

Matrix Spike (2336042-MS2)					Source: E309024-03	Prepared: 09/06/23 Analyzed: 09/07/23			
Gasoline Range Organics (C6-C10)	52.3	20.0	50.0	ND	105	70-130			
Surrogate: Bromofluorobenzene	0.608		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.563		0.500		113	70-130			

Matrix Spike Dup (2336042-MSD2)					Source: E309024-03	Prepared: 09/06/23 Analyzed: 09/08/23			
Gasoline Range Organics (C6-C10)	51.5	20.0	50.0	ND	103	70-130	1.58	20	
Surrogate: Bromofluorobenzene	0.607		0.500		121	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.564		0.500		113	70-130			



QC Summary Data

Talon LPE	Project Name:	Paul 25	Reported:
408 W Texas Ave	Project Number:	23042-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2336060-BLK1)					Prepared: 09/06/23 Analyzed: 09/09/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.8		50.0		102	50-200			

LCS (2336060-BS1)					Prepared: 09/06/23 Analyzed: 09/09/23				
Diesel Range Organics (C10-C28)	258	25.0	250		103	38-132			
Surrogate: n-Nonane	46.1		50.0		92.3	50-200			

Matrix Spike (2336060-MS1)					Source: E309015-01		Prepared: 09/06/23 Analyzed: 09/11/23		
Diesel Range Organics (C10-C28)	18200	1250	250	19500	NR	38-132			M4
Surrogate: n-Nonane	46.7		50.0		93.3	50-200			

Matrix Spike Dup (2336060-MSD1)					Source: E309015-01		Prepared: 09/06/23 Analyzed: 09/11/23		
Diesel Range Organics (C10-C28)	18400	1250	250	19500	NR	38-132	1.36	20	M4
Surrogate: n-Nonane	46.4		50.0		92.7	50-200			



QC Summary Data

Talon LPE	Project Name:	Paul 25	Reported:
408 W Texas Ave	Project Number:	23042-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2336065-BLK1)					Prepared: 09/08/23 Analyzed: 09/09/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.8		50.0		108	50-200			

LCS (2336065-BS1)					Prepared: 09/08/23 Analyzed: 09/09/23				
Diesel Range Organics (C10-C28)	266	25.0	250		106	38-132			
Surrogate: n-Nonane	53.1		50.0		106	50-200			

Matrix Spike (2336065-MS1)					Source: E309024-02		Prepared: 09/08/23 Analyzed: 09/09/23		
Diesel Range Organics (C10-C28)	305	25.0	250	33.7	108	38-132			
Surrogate: n-Nonane	53.5		50.0		107	50-200			

Matrix Spike Dup (2336065-MSD1)					Source: E309024-02		Prepared: 09/08/23 Analyzed: 09/09/23		
Diesel Range Organics (C10-C28)	305	25.0	250	33.7	109	38-132	0.244	20	
Surrogate: n-Nonane	52.2		50.0		104	50-200			



QC Summary Data

Talon LPE	Project Name:	Paul 25	Reported:
408 W Texas Ave	Project Number:	23042-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2336052-BLK1)					Prepared: 09/06/23 Analyzed: 09/08/23				
Chloride	ND	20.0							
LCS (2336052-BS1)					Prepared: 09/06/23 Analyzed: 09/08/23				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2336052-MS1)					Source: E309024-21		Prepared: 09/06/23 Analyzed: 09/08/23		
Chloride	869	100	250	608	104	80-120			
Matrix Spike Dup (2336052-MSD1)					Source: E309024-21		Prepared: 09/06/23 Analyzed: 09/08/23		
Chloride	883	100	250	608	110	80-120	1.54	20	



QC Summary Data

Talon LPE	Project Name:	Paul 25	Reported:
408 W Texas Ave	Project Number:	23042-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2336053-BLK1)					Prepared: 09/06/23 Analyzed: 09/08/23				
Chloride	ND	20.0							
LCS (2336053-BS1)					Prepared: 09/06/23 Analyzed: 09/09/23				
Chloride	246	20.0	250		98.6	90-110			
Matrix Spike (2336053-MS1)					Source: E309024-01		Prepared: 09/06/23 Analyzed: 09/09/23		
Chloride	807	200	250	581	90.4	80-120			
Matrix Spike Dup (2336053-MSD1)					Source: E309024-01		Prepared: 09/06/23 Analyzed: 09/09/23		
Chloride	759	200	250	581	71.0	80-120	6.17	20	M2

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



Definitions and Notes

Talon LPE	Project Name:	Paul 25	
408 W Texas Ave	Project Number:	23042-0001	Reported:
Artesia NM, 88210	Project Manager:	Chad Hensley	09/12/23 13:19

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Page 1 of 3

Client: Talon LPE					Bill To		Lab Use Only				TAT				EPA Program			
Project: <u>Young Deep 3 Paul 25</u>					Attention:		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA		
Project Manager: <u>C. Hensley</u>					Address:		<u>E 309024</u>		<u>23042-0001</u>					x				
Address: <u>408 W. Texas Ave</u>					City, State, Zip		Analysis and Method									RCRA		
City, State, Zip <u>Artesia, NM 88210</u>					Phone:		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM				
Phone: <u>575-746-8768</u>					Email:									GDGC TX				
Email: <u>chensley@talonlpe.com</u>					Report due by:		State											
							NM CO UT AZ TX											
							X											
							Remarks											
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number													
12:00	8-31-23	soil	1	S-1	1		x	x			x							
1206				S-2	2													
1211				S-3	3													
1214				S-4	4													
1219				S-5	5													
1226				S-6	6													
1233				S-7	7													
1238				S-8	8													
1241				S-9	9													
1243				S-10	10													
Additional Instructions:																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.								
Sampled by:										Lab Use Only								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received on ice: <u>Y</u> / N										
<u>[Signature]</u>		9.1.23	1820	<u>[Signature]</u>		9.1.23	1820											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3										
<u>[Signature]</u>		9.1.23	1835	<u>[Signature]</u>		9.1.23	1845											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>										
<u>[Signature]</u>		9.2.23	0115	<u>[Signature]</u>		9/5/23	8:15											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA								
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		

Project Information

Chain of Custody

Page 2 of 3

Client: Talon LPE				Bill To		Lab Use Only				TAT				EPA Program				
Project: Young Deep <u>Pao/25</u>				Attention:		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA			
Project Manager: C.Hensley				Address:		<u>E309024</u>		<u>23042-0001</u>					x					
Address: 408 W. Texas Ave				City, State, Zip		Analysis and Method								RCRA				
City, State, Zip: Artesia, NM 88210				Phone:		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDGC TX	State					
Email: chensley@talonlpe.com				Email:									NM	CO	UT	AZ	TX	
Report due by:														Remarks				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number													
1251	8-31-23	soil	1	S-11 <u>Surface</u>	11		x	x		x								
1256				S-12	12													
1307				S-13	13													
1313				S-14	14													
1321				S-15	15													
1327				2' REFUSAL	16													
1336				S-16	17													
1341				2'	18													
1346				4'	19													
1355				S-17	20													
Additional Instructions:																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.								
Sampled by:										Lab Use Only								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received on ice: <u>(Y)</u> N										
<u>[Signature]</u>		9/1/23	1820	<u>[Signature]</u>		9.1.23	1820	T1 _____ T2 _____ T3 _____										
<u>[Signature]</u>		9.1.23	1835	<u>[Signature]</u>		9.1.23	1845	AVG Temp °C <u>4</u>										
<u>[Signature]</u>		9.2.23	0115	<u>[Signature]</u>		9/5/23	8:15	Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																		
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		



Envirotech Analytical Laboratory

Printed: 9/5/2023 12:57:59PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Talon LPE	Date Received:	09/05/23 08:15	Work Order ID:	E309024
Phone:	(575) 746-8768	Date Logged In:	09/05/23 10:29	Logged In By:	Caitlin Mars
Email:	chensley@talonlpe.com	Due Date:	09/11/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? No
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/Resolution

Sample #14 Sample ID (S-14) container received empty. Client asked to cancel sample.

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

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

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



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Project Information

Chain of Custody

Page 1 of 3

Client: Talon LPE					Bill To		Lab Use Only				TAT				EPA Program			
Project: <u>Young Deep 3 - Paul 25</u>					Attention:		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA		
Project Manager: <u>C. Hensley</u>					Address:		<u>E 309024</u>		<u>23042-0001</u>					x				
Address: <u>408 W. Texas Ave</u>					City, State, Zip		Analysis and Method										RCRA	
City, State, Zip: <u>Artesia, NM 88210</u>					Phone:		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC	TX	State				
Phone: <u>575-746-8768</u>					Email:									NM	CO	UT	AZ	TX
Email: <u>chensley@talonlpe.com</u>					Report due by:													
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number												Remarks	
12:00	8-31-23	soil	1	S-1	<u>Surface</u>	x	x			x								
1206				S-2														
1211				S-3														
1214				S-4														
1219				S-5														
1226				S-6														
1233				S-7														
1238				S-8														
1241				S-9														
1243				S-10														
Additional Instructions:																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.								
Relinquished by: (Signature) <u>[Signature]</u> Date <u>9/1/23</u> Time <u>1820</u>										Received by: (Signature) <u>[Signature]</u> Date <u>9.1.23</u> Time <u>1820</u>								
Relinquished by: (Signature) <u>[Signature]</u> Date <u>9.1.23</u> Time <u>1835</u>										Received by: (Signature) <u>[Signature]</u> Date <u>9.1.23</u> Time <u>1845</u>								
Relinquished by: (Signature) <u>[Signature]</u> Date <u>9.2.23</u> Time <u>0115</u>										Received by: (Signature) <u>[Signature]</u> Date <u>9/5/23</u> Time <u>8:15</u>								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA								
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		


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Project Information

Chain of Custody

Page 2 of 3

Client: Talon LPE					Bill To		Lab Use Only				TAT				EPA Program		
Project: <u>Young Deep 3</u> <u>Pao/25</u>					Attention:		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA	
Project Manager: <u>C.Hensley</u>					Address:		<u>E309024</u>		<u>23042-0001</u>					<u>x</u>			
Address: <u>408 W. Texas Ave</u>					City, State, Zip		Analysis and Method									RCRA	
City, State, Zip <u>Artesia, NM 88210</u>					Phone:		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM			
Phone: <u>575-746-8768</u>					Email:												
Email: <u>chensley@talonlpe.com</u>					Report due by:												
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number												Remarks
<u>1251</u>	<u>8-31-23</u>	<u>soil</u>	<u>1</u>	<u>S-11</u> <u>Surface</u>	<u>11</u>	<u>x</u>	<u>x</u>			<u>x</u>							<u>Sample #14.</u>
<u>1256</u>				<u>S-12</u>	<u>12</u>												<u>Sample ID S-14</u>
<u>1307</u>				<u>S-13</u>	<u>13</u>												<u>Container received</u>
<u>1313</u>				<u>S-14</u>	<u>14</u>												<u>empty. Cancelled</u>
<u>1321</u>				<u>S-15</u> <u>1'</u>	<u>15</u>												<u>Sample per</u>
<u>1327</u>				<u>S-15</u> <u>2' REFUSAL</u>	<u>16</u>												<u>Client.</u>
<u>1336</u>				<u>S-16</u> <u>1'</u>	<u>17</u>												<u>9/5/23 CM</u>
<u>1341</u>				<u>S-16</u> <u>2'</u>	<u>18</u>												
<u>1346</u>				<u>S-16</u> <u>4'</u>	<u>19</u>												
<u>1355</u>				<u>S-17</u> <u>1'</u>	<u>20</u>												
Additional Instructions:																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.							
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only									
<u>[Signature]</u>		<u>9/1/23</u>	<u>1820</u>	<u>[Signature]</u>		<u>9.1.23</u>	<u>1820</u>	Received on ice: <u>(Y)</u> / N									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3									
<u>[Signature]</u>		<u>9.1.23</u>	<u>1835</u>	<u>[Signature]</u>		<u>9.1.23</u>	<u>1845</u>										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>									
<u>[Signature]</u>		<u>9.2.23</u>	<u>0115</u>	<u>[Signature]</u>		<u>9/5/23</u>	<u>8:15</u>										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA							
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	


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Report to:
Chad Hensley



5796 U.S. Hwy 64
Farmington, NM 87401

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



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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Paul 25

Work Order: E311088

Job Number: 23052-0001

Received: 11/10/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/17/23

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

Date Reported: 11/17/23

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



Project Name: Paul 25
Workorder: E311088
Date Received: 11/10/2023 7:00:00AM

Chad Hensley,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/10/2023 7:00:00AM, under the Project Name: Paul 25.

The analytical test results summarized in this report with the Project Name: Paul 25 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Paul 25 Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 11/17/23 09:47
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S-1 1'	E311088-01A	Soil	11/09/23	11/10/23	Glass Jar, 4 oz.
S-2 3'	E311088-02A	Soil	11/09/23	11/10/23	Glass Jar, 4 oz.
S-2 7'	E311088-03A	Soil	11/09/23	11/10/23	Glass Jar, 4 oz.
S-2 13'	E311088-04A	Soil	11/09/23	11/10/23	Glass Jar, 4 oz.
S-3 3'	E311088-05A	Soil	11/09/23	11/10/23	Glass Jar, 4 oz.
S-3 8'	E311088-06A	Soil	11/09/23	11/10/23	Glass Jar, 4 oz.
S-3 13'	E311088-07A	Soil	11/09/23	11/10/23	Glass Jar, 4 oz.
S-4 3'	E311088-08A	Soil	11/09/23	11/10/23	Glass Jar, 4 oz.
S-4 8'	E311088-09A	Soil	11/09/23	11/10/23	Glass Jar, 4 oz.
S-4 13'	E311088-10A	Soil	11/09/23	11/10/23	Glass Jar, 4 oz.
S-12 1'	E311088-11A	Soil	11/09/23	11/10/23	Glass Jar, 4 oz.
S-12 3'	E311088-12A	Soil	11/09/23	11/10/23	Glass Jar, 4 oz.
S-17 3'	E311088-13A	Soil	11/09/23	11/10/23	Glass Jar, 4 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Paul 25 Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 11/17/2023 9:47:23AM
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S-1 1'

E311088-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS		Batch: 2346022	
Benzene	ND	0.0250	1	11/14/23	11/15/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/15/23	
Toluene	ND	0.0250	1	11/14/23	11/15/23	
o-Xylene	ND	0.0250	1	11/14/23	11/15/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/15/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/15/23	
Surrogate: Bromofluorobenzene	110 %	70-130		11/14/23	11/15/23	
Surrogate: 1,2-Dichloroethane-d4	93.1 %	70-130		11/14/23	11/15/23	
Surrogate: Toluene-d8	96.9 %	70-130		11/14/23	11/15/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2346022	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/15/23	
Surrogate: Bromofluorobenzene	110 %	70-130		11/14/23	11/15/23	
Surrogate: 1,2-Dichloroethane-d4	93.1 %	70-130		11/14/23	11/15/23	
Surrogate: Toluene-d8	96.9 %	70-130		11/14/23	11/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2346042	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/23	11/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/23	11/16/23	
Surrogate: n-Nonane	102 %	50-200		11/15/23	11/16/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2346052	
Chloride	484	20.0	1	11/15/23	11/15/23	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Paul 25
Project Number: 23052-0001
Project Manager: Chad Hensley

Reported:
11/17/2023 9:47:23AM

S-2 3'

E311088-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346022
Benzene	ND	0.0250	1	11/14/23	11/15/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/15/23	
Toluene	ND	0.0250	1	11/14/23	11/15/23	
o-Xylene	ND	0.0250	1	11/14/23	11/15/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/15/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/15/23	
Surrogate: Bromofluorobenzene		110 %	70-130	11/14/23	11/15/23	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	11/14/23	11/15/23	
Surrogate: Toluene-d8		98.4 %	70-130	11/14/23	11/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/15/23	
Surrogate: Bromofluorobenzene		110 %	70-130	11/14/23	11/15/23	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	11/14/23	11/15/23	
Surrogate: Toluene-d8		98.4 %	70-130	11/14/23	11/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2346042
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/23	11/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/23	11/16/23	
Surrogate: n-Nonane		94.0 %	50-200	11/15/23	11/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2346052
Chloride	2440	40.0	2	11/15/23	11/15/23	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Paul 25 Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 11/17/2023 9:47:23AM
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S-2 7'

E311088-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346022
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		111 %	70-130	11/14/23	11/16/23	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	11/14/23	11/16/23	
Surrogate: Toluene-d8		97.3 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		111 %	70-130	11/14/23	11/16/23	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	11/14/23	11/16/23	
Surrogate: Toluene-d8		97.3 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2346042
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/23	11/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/23	11/16/23	
Surrogate: n-Nonane		94.9 %	50-200	11/15/23	11/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2346052
Chloride	1480	200	10	11/15/23	11/15/23	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Paul 25 Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 11/17/2023 9:47:23AM
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S-2 13'
E311088-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346022
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		111 %	70-130	11/14/23	11/16/23	
Surrogate: 1,2-Dichloroethane-d4		93.5 %	70-130	11/14/23	11/16/23	
Surrogate: Toluene-d8		96.7 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		111 %	70-130	11/14/23	11/16/23	
Surrogate: 1,2-Dichloroethane-d4		93.5 %	70-130	11/14/23	11/16/23	
Surrogate: Toluene-d8		96.7 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2346042
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/23	11/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/23	11/16/23	
Surrogate: n-Nonane		111 %	50-200	11/15/23	11/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2346052
Chloride	1530	200	10	11/15/23	11/15/23	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Paul 25 Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 11/17/2023 9:47:23AM
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S-3 3'

E311088-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346022
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		109 %	70-130	11/14/23	11/16/23	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	11/14/23	11/16/23	
Surrogate: Toluene-d8		97.4 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		109 %	70-130	11/14/23	11/16/23	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	11/14/23	11/16/23	
Surrogate: Toluene-d8		97.4 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2346042
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/23	11/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/23	11/16/23	
Surrogate: n-Nonane		99.2 %	50-200	11/15/23	11/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2346052
Chloride	1190	200	10	11/15/23	11/15/23	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Paul 25
Project Number: 23052-0001
Project Manager: Chad Hensley

Reported:
11/17/2023 9:47:23AM

S-3 8'

E311088-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346022
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		110 %	70-130	11/14/23	11/16/23	
Surrogate: 1,2-Dichloroethane-d4		93.8 %	70-130	11/14/23	11/16/23	
Surrogate: Toluene-d8		97.1 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		110 %	70-130	11/14/23	11/16/23	
Surrogate: 1,2-Dichloroethane-d4		93.8 %	70-130	11/14/23	11/16/23	
Surrogate: Toluene-d8		97.1 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2346042
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/23	11/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/23	11/16/23	
Surrogate: n-Nonane		101 %	50-200	11/15/23	11/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2346052
Chloride	1520	200	10	11/15/23	11/15/23	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Paul 25 Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 11/17/2023 9:47:23AM
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S-3 13'
E311088-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346022
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		108 %	70-130	11/14/23	11/16/23	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	11/14/23	11/16/23	
Surrogate: Toluene-d8		97.7 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		108 %	70-130	11/14/23	11/16/23	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	11/14/23	11/16/23	
Surrogate: Toluene-d8		97.7 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2346042
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/23	11/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/23	11/16/23	
Surrogate: n-Nonane		93.8 %	50-200	11/15/23	11/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2346052
Chloride	2190	200	10	11/15/23	11/15/23	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Paul 25 Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 11/17/2023 9:47:23AM
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S-4 3'

E311088-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346022
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		110 %	70-130	11/14/23	11/16/23	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	11/14/23	11/16/23	
Surrogate: Toluene-d8		97.7 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		110 %	70-130	11/14/23	11/16/23	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	11/14/23	11/16/23	
Surrogate: Toluene-d8		97.7 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2346042
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/23	11/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/23	11/16/23	
Surrogate: n-Nonane		94.2 %	50-200	11/15/23	11/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2346052
Chloride	1700	200	10	11/15/23	11/15/23	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Paul 25 Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 11/17/2023 9:47:23AM
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S-4 8'

E311088-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346022
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		110 %	70-130	11/14/23	11/16/23	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130	11/14/23	11/16/23	
Surrogate: Toluene-d8		98.6 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		110 %	70-130	11/14/23	11/16/23	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130	11/14/23	11/16/23	
Surrogate: Toluene-d8		98.6 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2346042
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/23	11/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/23	11/16/23	
Surrogate: n-Nonane		92.4 %	50-200	11/15/23	11/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2346052
Chloride	1630	200	10	11/15/23	11/15/23	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Paul 25
Project Number: 23052-0001
Project Manager: Chad Hensley

Reported:
11/17/2023 9:47:23AM

S-4 13'

E311088-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346022
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		109 %	70-130	11/14/23	11/16/23	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130	11/14/23	11/16/23	
Surrogate: Toluene-d8		98.1 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		109 %	70-130	11/14/23	11/16/23	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130	11/14/23	11/16/23	
Surrogate: Toluene-d8		98.1 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2346042
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/23	11/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/23	11/16/23	
Surrogate: n-Nonane		92.5 %	50-200	11/15/23	11/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2346052
Chloride	2900	200	10	11/15/23	11/15/23	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Paul 25 Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 11/17/2023 9:47:23AM
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S-12 1'
E311088-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2346022	
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene	109 %	70-130		11/14/23	11/16/23	
Surrogate: 1,2-Dichloroethane-d4	94.2 %	70-130		11/14/23	11/16/23	
Surrogate: Toluene-d8	98.7 %	70-130		11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2346022	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene	109 %	70-130		11/14/23	11/16/23	
Surrogate: 1,2-Dichloroethane-d4	94.2 %	70-130		11/14/23	11/16/23	
Surrogate: Toluene-d8	98.7 %	70-130		11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2346042	
Diesel Range Organics (C10-C28)	30.9	25.0	1	11/15/23	11/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/23	11/16/23	
Surrogate: n-Nonane	85.9 %	50-200		11/15/23	11/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2346052	
Chloride	777	200	10	11/15/23	11/15/23	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Paul 25
Project Number: 23052-0001
Project Manager: Chad Hensley

Reported:
11/17/2023 9:47:23AM

S-12 3'

E311088-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346022
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		110 %	70-130	11/14/23	11/16/23	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130	11/14/23	11/16/23	
Surrogate: Toluene-d8		98.5 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		110 %	70-130	11/14/23	11/16/23	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130	11/14/23	11/16/23	
Surrogate: Toluene-d8		98.5 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2346042
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/23	11/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/23	11/16/23	
Surrogate: n-Nonane		89.3 %	50-200	11/15/23	11/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2346052
Chloride	21.3	20.0	1	11/15/23	11/15/23	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Paul 25 Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 11/17/2023 9:47:23AM
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S-17 3'
E311088-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346022
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		109 %	70-130	11/14/23	11/16/23	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130	11/14/23	11/16/23	
Surrogate: Toluene-d8		98.1 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		109 %	70-130	11/14/23	11/16/23	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130	11/14/23	11/16/23	
Surrogate: Toluene-d8		98.1 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2346042
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/23	11/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/23	11/16/23	
Surrogate: n-Nonane		84.8 %	50-200	11/15/23	11/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2346052
Chloride	22.6	20.0	1	11/15/23	11/15/23	



QC Summary Data

Matador Resources, LLC.	Project Name:	Paul 25	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	11/17/2023 9:47:23AM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2346022-BLK1) Prepared: 11/14/23 Analyzed: 11/15/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.544		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.8	70-130			

LCS (2346022-BS1) Prepared: 11/14/23 Analyzed: 11/15/23

Benzene	2.67	0.0250	2.50		107	70-130			
Ethylbenzene	2.47	0.0250	2.50		98.9	70-130			
Toluene	2.39	0.0250	2.50		95.8	70-130			
o-Xylene	2.50	0.0250	2.50		100	70-130			
p,m-Xylene	4.89	0.0500	5.00		97.8	70-130			
Total Xylenes	7.40	0.0250	7.50		98.6	70-130			
Surrogate: Bromofluorobenzene	0.546		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.484		0.500		96.8	70-130			

Matrix Spike (2346022-MS1) Source: E311088-02 Prepared: 11/14/23 Analyzed: 11/15/23

Benzene	2.45	0.0250	2.50	ND	98.2	48-131			
Ethylbenzene	2.30	0.0250	2.50	ND	92.0	45-135			
Toluene	2.24	0.0250	2.50	ND	89.8	48-130			
o-Xylene	2.39	0.0250	2.50	ND	95.5	43-135			
p,m-Xylene	4.68	0.0500	5.00	ND	93.6	43-135			
Total Xylenes	7.07	0.0250	7.50	ND	94.2	43-135			
Surrogate: Bromofluorobenzene	0.554		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.2	70-130			

Matrix Spike Dup (2346022-MSD1) Source: E311088-02 Prepared: 11/14/23 Analyzed: 11/15/23

Benzene	2.65	0.0250	2.50	ND	106	48-131	7.51	23	
Ethylbenzene	2.50	0.0250	2.50	ND	99.9	45-135	8.21	27	
Toluene	2.41	0.0250	2.50	ND	96.4	48-130	7.07	24	
o-Xylene	2.58	0.0250	2.50	ND	103	43-135	7.71	27	
p,m-Xylene	5.04	0.0500	5.00	ND	101	43-135	7.32	27	
Total Xylenes	7.62	0.0250	7.50	ND	102	43-135	7.45	27	
Surrogate: Bromofluorobenzene	0.552		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.3	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.8	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Paul 25	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	11/17/2023 9:47:23AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2346022-BLK1) Prepared: 11/14/23 Analyzed: 11/15/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.544		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.8	70-130			

LCS (2346022-BS2) Prepared: 11/14/23 Analyzed: 11/15/23

Gasoline Range Organics (C6-C10)	52.3	20.0	50.0		105	70-130			
Surrogate: Bromofluorobenzene	0.549		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.495		0.500		98.9	70-130			

Matrix Spike (2346022-MS2) Source: E311088-02 Prepared: 11/14/23 Analyzed: 11/15/23

Gasoline Range Organics (C6-C10)	54.5	20.0	50.0	ND	109	70-130			
Surrogate: Bromofluorobenzene	0.559		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.493		0.500		98.6	70-130			

Matrix Spike Dup (2346022-MSD2) Source: E311088-02 Prepared: 11/14/23 Analyzed: 11/15/23

Gasoline Range Organics (C6-C10)	55.8	20.0	50.0	ND	112	70-130	2.39	20	
Surrogate: Bromofluorobenzene	0.549		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.8	70-130			
Surrogate: Toluene-d8	0.500		0.500		99.9	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Paul 25	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	11/17/2023 9:47:23AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2346042-BLK1)					Prepared: 11/15/23 Analyzed: 11/16/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.2		50.0		88.4	50-200			

LCS (2346042-BS1)					Prepared: 11/15/23 Analyzed: 11/16/23				
Diesel Range Organics (C10-C28)	231	25.0	250		92.4	38-132			
Surrogate: n-Nonane	43.8		50.0		87.6	50-200			

Matrix Spike (2346042-MS1)					Source: E311080-05		Prepared: 11/15/23 Analyzed: 11/16/23		
Diesel Range Organics (C10-C28)	229	25.0	250	ND	91.5	38-132			
Surrogate: n-Nonane	43.7		50.0		87.4	50-200			

Matrix Spike Dup (2346042-MSD1)					Source: E311080-05		Prepared: 11/15/23 Analyzed: 11/16/23		
Diesel Range Organics (C10-C28)	236	25.0	250	ND	94.3	38-132	2.99	20	
Surrogate: n-Nonane	45.0		50.0		90.1	50-200			



QC Summary Data

Matador Resources, LLC.	Project Name:	Paul 25	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	11/17/2023 9:47:23AM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2346052-BLK1)					Prepared: 11/15/23 Analyzed: 11/15/23				
Chloride	ND	20.0							
LCS (2346052-BS1)					Prepared: 11/15/23 Analyzed: 11/15/23				
Chloride	249	20.0	250		99.7	90-110			
Matrix Spike (2346052-MS1)					Source: E311088-06		Prepared: 11/15/23 Analyzed: 11/15/23		
Chloride	1830	200	250	1520	125	80-120			M4
Matrix Spike Dup (2346052-MSD1)					Source: E311088-06		Prepared: 11/15/23 Analyzed: 11/15/23		
Chloride	1970	200	250	1520	180	80-120	7.25	20	M4

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Paul 25	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Chad Hensley	11/17/23 09:47

- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



Client: <u>Matador</u>					Bill To					Lab Use Only					TAT				EPA Program																						
Project: <u>Paul 25</u>					Attention: <u>Jake IPE</u>					Lab WO# <u>E311088</u>					Job Number <u>23042-0001</u>				1D	2D	3D	Standard	CWA	SDWA																	
Project Manager: <u>C. Hensley</u>					Address:					Analysis and Method									RCRA																						
Address: <u>408 W Texas</u>					City, State, Zip																																				
City, State, Zip: <u>Altoona, NM, 88010</u>					Phone:					DRO/DRO by 8015				GRO/DRO by 8015				BTEX by 8021				VOC by 8260				Metals 6010				Chloride 300.0				BGDOC - NM				TCEQ 1005-TX			
Phone: <u>575-746-8768</u>					Email:																																				
Email: <u>prose@jalape.com</u>					Report due by:					NM				CO				UT				AZ				TX															
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks																																			
01:15	11-9-23	Soil	1	S-1	1	X X X																																			
0726				S-2	3'																																				
0731				L	7'																																				
0744				L	13'																																				
0759				S-3	3'																																				
0810				L	8'																																				
0827				L	13'																																				
0901				S-4	3'																																				
0915					8'																																				
0921					13'																																				
Additional Instructions:																																									
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.											Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																														
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only																													
<u>[Signature]</u>		11-9-23				<u>Michelle Gayle</u>		11-9-23		1656		Received on ice: <u>Y</u> / N																													
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1																													
<u>Michelle Gayle</u>		11-9-23		1730		<u>[Signature]</u>		11-9-23		1830		T2																													
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T3																													
<u>[Signature]</u>		11-9-23		2400		<u>[Signature]</u>		11/10/23		7.00		AVG Temp °C <u>4</u>																													
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time																															
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other											Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																														
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																																									

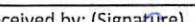
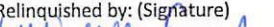
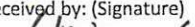
[illegible]

Additional Instructions:

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

Sampled by: _____

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

Relinquished by: (Signature) 	Date 11-9-23	Time	Received by: (Signature) 	Date 11-9-23	Time 1656	Lab Use Only Received on ice: ☒ Y / ☐ N
Relinquished by: (Signature) 	Date 11-9-23	Time 1730	Received by: (Signature) 	Date 11-9-23	Time 1830	
Relinquished by: (Signature) 	Date 11-9-23	Time 2400	Received by: (Signature) 	Date 11/10/23	Time 7:00	T1 _____ T2 _____ T3 _____
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	AVG Temp °C <u>4</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

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

Envirotech Analytical Laboratory

Printed: 11/13/2023 11:18:45AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	11/10/23 07:00	Work Order ID:	E311088
Phone:	(972) 371-5200	Date Logged In:	11/10/23 10:25	Logged In By:	Raina Schwanz
Email:		Due Date:	11/16/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/Resolution

Samples and COC did not include sampled by name. Samples 11 and 12 do not have the date sampled, matrix or No. of containers documented on the COC.

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? No
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Chad Hensley



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Talon LPE

Project Name: Paul 25
Work Order: E311164
Job Number: 23052-0001
Received: 11/18/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/28/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 11/28/23

Chad Hensley
408 W Texas Ave
Artesia, NM 88210



Project Name: Paul 25
Workorder: E311164
Date Received: 11/18/2023 7:30:00AM

Chad Hensley,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/18/2023 7:30:00AM, under the Project Name: Paul 25.

The analytical test results summarized in this report with the Project Name: Paul 25 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Talon LPE	Project Name:	Paul 25	Reported:
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	11/28/23 16:01

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S-18 SURFACE	E311164-01A	Soil	11/15/23	11/18/23	Glass Jar, 2 oz.
S-19 SURFACE	E311164-02A	Soil	11/15/23	11/18/23	Glass Jar, 2 oz.
S-20 SURFACE	E311164-03A	Soil	11/15/23	11/18/23	Glass Jar, 2 oz.



Sample Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Paul 25 Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 11/28/2023 4:01:25PM
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S-18 SURFACE

E311164-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2347025
Benzene	ND	0.0250	1	11/20/23	11/28/23	
Ethylbenzene	ND	0.0250	1	11/20/23	11/28/23	
Toluene	ND	0.0250	1	11/20/23	11/28/23	
o-Xylene	ND	0.0250	1	11/20/23	11/28/23	
p,m-Xylene	ND	0.0500	1	11/20/23	11/28/23	
Total Xylenes	ND	0.0250	1	11/20/23	11/28/23	
Surrogate: Bromofluorobenzene	116 %	70-130		11/20/23	11/28/23	
Surrogate: 1,2-Dichloroethane-d4	92.6 %	70-130		11/20/23	11/28/23	
Surrogate: Toluene-d8	109 %	70-130		11/20/23	11/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2347025
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/20/23	11/28/23	
Surrogate: Bromofluorobenzene	116 %	70-130		11/20/23	11/28/23	
Surrogate: 1,2-Dichloroethane-d4	92.6 %	70-130		11/20/23	11/28/23	
Surrogate: Toluene-d8	109 %	70-130		11/20/23	11/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2348003
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/23	11/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/23	11/28/23	
Surrogate: n-Nonane	81.2 %	50-200		11/27/23	11/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2348013
Chloride	ND	100	5	11/27/23	11/27/23	



Sample Data

Talon LPE	Project Name:	Paul 25	Reported: 11/28/2023 4:01:25PM
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	

S-19 SURFACE
E311164-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2347025	
Benzene	ND	0.0250	1	11/20/23	11/28/23	
Ethylbenzene	ND	0.0250	1	11/20/23	11/28/23	
Toluene	ND	0.0250	1	11/20/23	11/28/23	
o-Xylene	ND	0.0250	1	11/20/23	11/28/23	
p,m-Xylene	ND	0.0500	1	11/20/23	11/28/23	
Total Xylenes	ND	0.0250	1	11/20/23	11/28/23	
Surrogate: Bromofluorobenzene		117 %	70-130	11/20/23	11/28/23	
Surrogate: 1,2-Dichloroethane-d4		92.6 %	70-130	11/20/23	11/28/23	
Surrogate: Toluene-d8		108 %	70-130	11/20/23	11/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2347025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/20/23	11/28/23	
Surrogate: Bromofluorobenzene		117 %	70-130	11/20/23	11/28/23	
Surrogate: 1,2-Dichloroethane-d4		92.6 %	70-130	11/20/23	11/28/23	
Surrogate: Toluene-d8		108 %	70-130	11/20/23	11/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2348003	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/23	11/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/23	11/28/23	
Surrogate: n-Nonane		82.6 %	50-200	11/27/23	11/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2348013	
Chloride	ND	100	5	11/27/23	11/27/23	



Sample Data

Talon LPE
408 W Texas Ave
Artesia NM, 88210

Project Name: Paul 25
Project Number: 23052-0001
Project Manager: Chad Hensley

Reported:
11/28/2023 4:01:25PM

S-20 SURFACE

E311164-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2347025
Benzene	ND	0.0250	1	11/20/23	11/28/23	
Ethylbenzene	ND	0.0250	1	11/20/23	11/28/23	
Toluene	ND	0.0250	1	11/20/23	11/28/23	
o-Xylene	ND	0.0250	1	11/20/23	11/28/23	
p,m-Xylene	ND	0.0500	1	11/20/23	11/28/23	
Total Xylenes	ND	0.0250	1	11/20/23	11/28/23	
Surrogate: Bromofluorobenzene		116 %	70-130	11/20/23	11/28/23	
Surrogate: 1,2-Dichloroethane-d4		91.2 %	70-130	11/20/23	11/28/23	
Surrogate: Toluene-d8		110 %	70-130	11/20/23	11/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2347025
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/20/23	11/28/23	
Surrogate: Bromofluorobenzene		116 %	70-130	11/20/23	11/28/23	
Surrogate: 1,2-Dichloroethane-d4		91.2 %	70-130	11/20/23	11/28/23	
Surrogate: Toluene-d8		110 %	70-130	11/20/23	11/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2348003
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/23	11/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/23	11/28/23	
Surrogate: n-Nonane		83.1 %	50-200	11/27/23	11/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2348013
Chloride	85.2	40.0	2	11/27/23	11/27/23	



QC Summary Data

Talon LPE	Project Name:	Paul 25	Reported:
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	11/28/2023 4:01:25PM

Volatile Organic Compounds by EPA 8260B

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2347025-BLK1) Prepared: 11/20/23 Analyzed: 11/27/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.591		0.500		118	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.445		0.500		88.9	70-130			
Surrogate: Toluene-d8	0.538		0.500		108	70-130			

LCS (2347025-BS1) Prepared: 11/20/23 Analyzed: 11/27/23

Benzene	2.85	0.0250	2.50		114	70-130			
Ethylbenzene	2.80	0.0250	2.50		112	70-130			
Toluene	2.76	0.0250	2.50		110	70-130			
o-Xylene	2.69	0.0250	2.50		108	70-130			
p,m-Xylene	5.41	0.0500	5.00		108	70-130			
Total Xylenes	8.10	0.0250	7.50		108	70-130			
Surrogate: Bromofluorobenzene	0.597		0.500		119	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.7	70-130			
Surrogate: Toluene-d8	0.557		0.500		111	70-130			

Matrix Spike (2347025-MS1) Source: E311158-16 Prepared: 11/20/23 Analyzed: 11/27/23

Benzene	2.85	0.0250	2.50	ND	114	48-131			
Ethylbenzene	2.78	0.0250	2.50	ND	111	45-135			
Toluene	2.74	0.0250	2.50	ND	110	48-130			
o-Xylene	2.68	0.0250	2.50	ND	107	43-135			
p,m-Xylene	5.41	0.0500	5.00	ND	108	43-135			
Total Xylenes	8.10	0.0250	7.50	ND	108	43-135			
Surrogate: Bromofluorobenzene	0.589		0.500		118	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.8	70-130			
Surrogate: Toluene-d8	0.547		0.500		109	70-130			

Matrix Spike Dup (2347025-MSD1) Source: E311158-16 Prepared: 11/20/23 Analyzed: 11/27/23

Benzene	2.82	0.0250	2.50	ND	113	48-131	0.987	23	
Ethylbenzene	2.74	0.0250	2.50	ND	110	45-135	1.61	27	
Toluene	2.71	0.0250	2.50	ND	108	48-130	1.34	24	
o-Xylene	2.70	0.0250	2.50	ND	108	43-135	0.669	27	
p,m-Xylene	5.41	0.0500	5.00	ND	108	43-135	0.120	27	
Total Xylenes	8.11	0.0250	7.50	ND	108	43-135	0.142	27	
Surrogate: Bromofluorobenzene	0.609		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.7	70-130			
Surrogate: Toluene-d8	0.540		0.500		108	70-130			



QC Summary Data

Talon LPE	Project Name:	Paul 25	Reported:
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	11/28/2023 4:01:25PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2347025-BLK1) Prepared: 11/20/23 Analyzed: 11/27/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.591		0.500		118	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.445		0.500		88.9	70-130			
Surrogate: Toluene-d8	0.538		0.500		108	70-130			

LCS (2347025-BS2) Prepared: 11/20/23 Analyzed: 11/27/23

Gasoline Range Organics (C6-C10)	54.9	20.0	50.0		110	70-130			
Surrogate: Bromofluorobenzene	0.602		0.500		120	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130			
Surrogate: Toluene-d8	0.563		0.500		113	70-130			

Matrix Spike (2347025-MS2) Source: E311158-16 Prepared: 11/20/23 Analyzed: 11/27/23

Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	ND	108	70-130			
Surrogate: Bromofluorobenzene	0.589		0.500		118	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.461		0.500		92.1	70-130			
Surrogate: Toluene-d8	0.553		0.500		111	70-130			

Matrix Spike Dup (2347025-MSD2) Source: E311158-16 Prepared: 11/20/23 Analyzed: 11/27/23

Gasoline Range Organics (C6-C10)	55.8	20.0	50.0	ND	112	70-130	3.24	20	
Surrogate: Bromofluorobenzene	0.611		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.466		0.500		93.1	70-130			
Surrogate: Toluene-d8	0.557		0.500		111	70-130			



QC Summary Data

Talon LPE	Project Name:	Paul 25	Reported:
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	11/28/2023 4:01:25PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2348003-BLK1)					Prepared: 11/27/23 Analyzed: 11/28/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	41.7		50.0		83.4	50-200			

LCS (2348003-BS1)					Prepared: 11/27/23 Analyzed: 11/28/23				
Diesel Range Organics (C10-C28)	250	25.0	250		100	38-132			
Surrogate: n-Nonane	44.1		50.0		88.2	50-200			

Matrix Spike (2348003-MS1)					Source: E311162-08		Prepared: 11/27/23 Analyzed: 11/28/23		
Diesel Range Organics (C10-C28)	239	25.0	250	ND	95.6	38-132			
Surrogate: n-Nonane	43.7		50.0		87.5	50-200			

Matrix Spike Dup (2348003-MSD1)					Source: E311162-08		Prepared: 11/27/23 Analyzed: 11/28/23		
Diesel Range Organics (C10-C28)	234	25.0	250	ND	93.4	38-132	2.29	20	
Surrogate: n-Nonane	41.8		50.0		83.5	50-200			



QC Summary Data

Talon LPE	Project Name:	Paul 25	Reported:
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	11/28/2023 4:01:25PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2348013-BLK1)					Prepared: 11/27/23 Analyzed: 11/27/23				
Chloride	ND	20.0							
LCS (2348013-BS1)					Prepared: 11/27/23 Analyzed: 11/27/23				
Chloride	248	20.0	250		99.1	90-110			
Matrix Spike (2348013-MS1)					Source: E311164-03		Prepared: 11/27/23 Analyzed: 11/27/23		
Chloride	322	40.0	250	85.2	94.8	80-120			
Matrix Spike Dup (2348013-MSD1)					Source: E311164-03		Prepared: 11/27/23 Analyzed: 11/27/23		
Chloride	331	40.0	250	85.2	98.4	80-120	2.75	20	

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

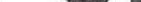


Definitions and Notes

Talon LPE	Project Name:	Paul 25	
408 W Texas Ave	Project Number:	23052-0001	Reported:
Artesia NM, 88210	Project Manager:	Chad Hensley	11/28/23 16:01

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.





Envirotech Analytical Laboratory

Printed: 11/20/2023 2:29:50PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Talon LPE	Date Received:	11/18/23 07:30	Work Order ID:	E311164
Phone:	(575) 746-8768	Date Logged In:	11/17/23 16:01	Logged In By:	Jordan Montano
Email:	chensley@talonlpe.com	Due Date:	11/28/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

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

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Chad Hensley



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Talon LPE

Project Name: Paul TB
Work Order: E312174
Job Number: 23052-0001
Received: 12/27/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/3/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 1/3/24

Chad Hensley
408 W Texas Ave
Artesia, NM 88210



Project Name: Paul TB
Workorder: E312174
Date Received: 12/27/2023 8:00:00AM

Chad Hensley,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/27/2023 8:00:00AM, under the Project Name: Paul TB.

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

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

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

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

Respectfully,

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Sample Summary

Talon LPE	Project Name:	Paul TB	Reported:
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	01/03/24 15:53

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
C-1 5'	E312174-01A	Soil	12/21/23	12/27/23	Glass Jar, 2 oz.
C-2 5'	E312174-02A	Soil	12/21/23	12/27/23	Glass Jar, 2 oz.
C-3 5'	E312174-03A	Soil	12/21/23	12/27/23	Glass Jar, 2 oz.
C-4 5'	E312174-04A	Soil	12/21/23	12/27/23	Glass Jar, 2 oz.
SW-1	E312174-05A	Soil	12/21/23	12/27/23	Glass Jar, 2 oz.
SW-2	E312174-06A	Soil	12/21/23	12/27/23	Glass Jar, 2 oz.
SW-3	E312174-07A	Soil	12/21/23	12/27/23	Glass Jar, 2 oz.
SW-4	E312174-08A	Soil	12/21/23	12/27/23	Glass Jar, 2 oz.
SW-5	E312174-09A	Soil	12/21/23	12/27/23	Glass Jar, 2 oz.
SW-6	E312174-10A	Soil	12/21/23	12/27/23	Glass Jar, 2 oz.
SW-7	E312174-11A	Soil	12/21/23	12/27/23	Glass Jar, 2 oz.
SW-8	E312174-12A	Soil	12/21/23	12/27/23	Glass Jar, 2 oz.



Sample Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Paul TB Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 1/3/2024 3:53:34PM
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C-1 5'
E312174-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS		Batch: 2352010	
Benzene	ND	0.0250	1	12/27/23	12/27/23	
Ethylbenzene	ND	0.0250	1	12/27/23	12/27/23	
Toluene	ND	0.0250	1	12/27/23	12/27/23	
o-Xylene	ND	0.0250	1	12/27/23	12/27/23	
p,m-Xylene	ND	0.0500	1	12/27/23	12/27/23	
Total Xylenes	ND	0.0250	1	12/27/23	12/27/23	
Surrogate: Bromofluorobenzene	123 %	70-130		12/27/23	12/27/23	
Surrogate: 1,2-Dichloroethane-d4	91.5 %	70-130		12/27/23	12/27/23	
Surrogate: Toluene-d8	109 %	70-130		12/27/23	12/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS		Batch: 2352010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/27/23	12/27/23	
Surrogate: Bromofluorobenzene	123 %	70-130		12/27/23	12/27/23	
Surrogate: 1,2-Dichloroethane-d4	91.5 %	70-130		12/27/23	12/27/23	
Surrogate: Toluene-d8	109 %	70-130		12/27/23	12/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2352020	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/28/23	12/29/23	
Oil Range Organics (C28-C36)	76.9	50.0	1	12/28/23	12/29/23	
Surrogate: n-Nonane	88.5 %	50-200		12/28/23	12/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2352023	
Chloride	112	20.0	1	12/28/23	12/28/23	



Sample Data

Talon LPE	Project Name:	Paul TB	Reported: 1/3/2024 3:53:34PM
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	

C-2 5'

E312174-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2352010	
Benzene	ND	0.0250	1	12/27/23	12/27/23	
Ethylbenzene	ND	0.0250	1	12/27/23	12/27/23	
Toluene	ND	0.0250	1	12/27/23	12/27/23	
o-Xylene	ND	0.0250	1	12/27/23	12/27/23	
p,m-Xylene	ND	0.0500	1	12/27/23	12/27/23	
Total Xylenes	ND	0.0250	1	12/27/23	12/27/23	
Surrogate: Bromofluorobenzene		124 %	70-130	12/27/23	12/27/23	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	12/27/23	12/27/23	
Surrogate: Toluene-d8		109 %	70-130	12/27/23	12/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2352010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/27/23	12/27/23	
Surrogate: Bromofluorobenzene		124 %	70-130	12/27/23	12/27/23	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	12/27/23	12/27/23	
Surrogate: Toluene-d8		109 %	70-130	12/27/23	12/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2352020	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/28/23	12/29/23	
Oil Range Organics (C28-C36)	74.5	50.0	1	12/28/23	12/29/23	
Surrogate: n-Nonane		89.1 %	50-200	12/28/23	12/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2352023	
Chloride	99.9	20.0	1	12/28/23	12/28/23	



Sample Data

Talon LPE	Project Name:	Paul TB	Reported: 1/3/2024 3:53:34PM
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	

C-3 5'

E312174-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2352010	
Benzene	ND	0.0250	1	12/27/23	12/27/23	
Ethylbenzene	ND	0.0250	1	12/27/23	12/27/23	
Toluene	ND	0.0250	1	12/27/23	12/27/23	
o-Xylene	ND	0.0250	1	12/27/23	12/27/23	
p,m-Xylene	ND	0.0500	1	12/27/23	12/27/23	
Total Xylenes	ND	0.0250	1	12/27/23	12/27/23	
Surrogate: Bromofluorobenzene		120 %	70-130	12/27/23	12/27/23	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	12/27/23	12/27/23	
Surrogate: Toluene-d8		108 %	70-130	12/27/23	12/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2352010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/27/23	12/27/23	
Surrogate: Bromofluorobenzene		120 %	70-130	12/27/23	12/27/23	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	12/27/23	12/27/23	
Surrogate: Toluene-d8		108 %	70-130	12/27/23	12/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2352020	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/28/23	12/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/28/23	12/29/23	
Surrogate: n-Nonane		89.3 %	50-200	12/28/23	12/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2352023	
Chloride	73.1	20.0	1	12/28/23	12/28/23	



Sample Data

Talon LPE	Project Name:	Paul TB	Reported: 1/3/2024 3:53:34PM
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	

C-4 5'

E312174-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2352010	
Benzene	ND	0.0250	1	12/27/23	12/27/23	
Ethylbenzene	ND	0.0250	1	12/27/23	12/27/23	
Toluene	ND	0.0250	1	12/27/23	12/27/23	
o-Xylene	ND	0.0250	1	12/27/23	12/27/23	
p,m-Xylene	ND	0.0500	1	12/27/23	12/27/23	
Total Xylenes	ND	0.0250	1	12/27/23	12/27/23	
Surrogate: Bromofluorobenzene		119 %	70-130	12/27/23	12/27/23	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130	12/27/23	12/27/23	
Surrogate: Toluene-d8		110 %	70-130	12/27/23	12/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2352010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/27/23	12/27/23	
Surrogate: Bromofluorobenzene		119 %	70-130	12/27/23	12/27/23	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130	12/27/23	12/27/23	
Surrogate: Toluene-d8		110 %	70-130	12/27/23	12/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2352020	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/28/23	12/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/28/23	12/29/23	
Surrogate: n-Nonane		88.3 %	50-200	12/28/23	12/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2352023	
Chloride	77.1	20.0	1	12/28/23	12/28/23	



Sample Data

Talon LPE	Project Name:	Paul TB	Reported: 1/3/2024 3:53:34PM
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	

SW-1

E312174-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2352010	
Benzene	ND	0.0250	1	12/27/23	12/27/23	
Ethylbenzene	ND	0.0250	1	12/27/23	12/27/23	
Toluene	ND	0.0250	1	12/27/23	12/27/23	
o-Xylene	ND	0.0250	1	12/27/23	12/27/23	
p,m-Xylene	ND	0.0500	1	12/27/23	12/27/23	
Total Xylenes	ND	0.0250	1	12/27/23	12/27/23	
Surrogate: Bromofluorobenzene		117 %	70-130	12/27/23	12/27/23	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130	12/27/23	12/27/23	
Surrogate: Toluene-d8		108 %	70-130	12/27/23	12/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2352010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/27/23	12/27/23	
Surrogate: Bromofluorobenzene		117 %	70-130	12/27/23	12/27/23	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130	12/27/23	12/27/23	
Surrogate: Toluene-d8		108 %	70-130	12/27/23	12/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2352020	
Diesel Range Organics (C10-C28)	26.9	25.0	1	12/28/23	12/29/23	
Oil Range Organics (C28-C36)	71.8	50.0	1	12/28/23	12/29/23	
Surrogate: n-Nonane		85.4 %	50-200	12/28/23	12/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2352023	
Chloride	295	20.0	1	12/28/23	12/28/23	



Sample Data

Talon LPE	Project Name:	Paul TB	Reported: 1/3/2024 3:53:34PM
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	

SW-2

E312174-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2352010	
Benzene	ND	0.0250	1	12/27/23	12/27/23	
Ethylbenzene	ND	0.0250	1	12/27/23	12/27/23	
Toluene	ND	0.0250	1	12/27/23	12/27/23	
o-Xylene	ND	0.0250	1	12/27/23	12/27/23	
p,m-Xylene	ND	0.0500	1	12/27/23	12/27/23	
Total Xylenes	ND	0.0250	1	12/27/23	12/27/23	
Surrogate: Bromofluorobenzene	120 %	70-130		12/27/23	12/27/23	
Surrogate: 1,2-Dichloroethane-d4	92.8 %	70-130		12/27/23	12/27/23	
Surrogate: Toluene-d8	110 %	70-130		12/27/23	12/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2352010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/27/23	12/27/23	
Surrogate: Bromofluorobenzene	120 %	70-130		12/27/23	12/27/23	
Surrogate: 1,2-Dichloroethane-d4	92.8 %	70-130		12/27/23	12/27/23	
Surrogate: Toluene-d8	110 %	70-130		12/27/23	12/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2352020	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/28/23	12/29/23	
Oil Range Organics (C28-C36)	66.8	50.0	1	12/28/23	12/29/23	
Surrogate: n-Nonane	87.7 %	50-200		12/28/23	12/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2352023	
Chloride	ND	40.0	2	12/28/23	12/29/23	



Sample Data

Talon LPE	Project Name:	Paul TB	Reported: 1/3/2024 3:53:34PM
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	

SW-3

E312174-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2352010	
Benzene	ND	0.0250	1	12/27/23	12/27/23	
Ethylbenzene	ND	0.0250	1	12/27/23	12/27/23	
Toluene	ND	0.0250	1	12/27/23	12/27/23	
o-Xylene	ND	0.0250	1	12/27/23	12/27/23	
p,m-Xylene	ND	0.0500	1	12/27/23	12/27/23	
Total Xylenes	ND	0.0250	1	12/27/23	12/27/23	
Surrogate: Bromofluorobenzene		120 %	70-130	12/27/23	12/27/23	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130	12/27/23	12/27/23	
Surrogate: Toluene-d8		108 %	70-130	12/27/23	12/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2352010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/27/23	12/27/23	
Surrogate: Bromofluorobenzene		120 %	70-130	12/27/23	12/27/23	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130	12/27/23	12/27/23	
Surrogate: Toluene-d8		108 %	70-130	12/27/23	12/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2352020	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/28/23	12/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/28/23	12/29/23	
Surrogate: n-Nonane		90.8 %	50-200	12/28/23	12/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2352023	
Chloride	207	40.0	2	12/28/23	12/29/23	



Sample Data

Talon LPE	Project Name:	Paul TB	Reported: 1/3/2024 3:53:34PM
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	

SW-4

E312174-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2352010
Benzene	ND	0.0250	1	12/27/23	12/28/23	
Ethylbenzene	ND	0.0250	1	12/27/23	12/28/23	
Toluene	ND	0.0250	1	12/27/23	12/28/23	
o-Xylene	ND	0.0250	1	12/27/23	12/28/23	
p,m-Xylene	ND	0.0500	1	12/27/23	12/28/23	
Total Xylenes	ND	0.0250	1	12/27/23	12/28/23	
Surrogate: Bromofluorobenzene		119 %	70-130	12/27/23	12/28/23	
Surrogate: 1,2-Dichloroethane-d4		90.0 %	70-130	12/27/23	12/28/23	
Surrogate: Toluene-d8		110 %	70-130	12/27/23	12/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2352010
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/27/23	12/28/23	
Surrogate: Bromofluorobenzene		119 %	70-130	12/27/23	12/28/23	
Surrogate: 1,2-Dichloroethane-d4		90.0 %	70-130	12/27/23	12/28/23	
Surrogate: Toluene-d8		110 %	70-130	12/27/23	12/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2352020
Diesel Range Organics (C10-C28)	ND	25.0	1	12/28/23	12/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/28/23	12/29/23	
Surrogate: n-Nonane		92.9 %	50-200	12/28/23	12/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2352023
Chloride	314	40.0	2	12/28/23	12/29/23	



Sample Data

Talon LPE	Project Name:	Paul TB	Reported: 1/3/2024 3:53:34PM
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	

SW-5

E312174-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2352010	
Benzene	ND	0.0250	1	12/27/23	12/28/23	
Ethylbenzene	ND	0.0250	1	12/27/23	12/28/23	
Toluene	ND	0.0250	1	12/27/23	12/28/23	
o-Xylene	ND	0.0250	1	12/27/23	12/28/23	
p,m-Xylene	ND	0.0500	1	12/27/23	12/28/23	
Total Xylenes	ND	0.0250	1	12/27/23	12/28/23	
Surrogate: Bromofluorobenzene		121 %	70-130	12/27/23	12/28/23	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	12/27/23	12/28/23	
Surrogate: Toluene-d8		110 %	70-130	12/27/23	12/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2352010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/27/23	12/28/23	
Surrogate: Bromofluorobenzene		121 %	70-130	12/27/23	12/28/23	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	12/27/23	12/28/23	
Surrogate: Toluene-d8		110 %	70-130	12/27/23	12/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2352020	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/28/23	12/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/28/23	12/29/23	
Surrogate: n-Nonane		86.3 %	50-200	12/28/23	12/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2352023	
Chloride	388	20.0	1	12/28/23	12/29/23	



Sample Data

Talon LPE	Project Name:	Paul TB	Reported: 1/3/2024 3:53:34PM
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	

SW-6

E312174-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2352010
Benzene	ND	0.0250	1	12/27/23	12/28/23	
Ethylbenzene	ND	0.0250	1	12/27/23	12/28/23	
Toluene	ND	0.0250	1	12/27/23	12/28/23	
o-Xylene	ND	0.0250	1	12/27/23	12/28/23	
p,m-Xylene	ND	0.0500	1	12/27/23	12/28/23	
Total Xylenes	ND	0.0250	1	12/27/23	12/28/23	
Surrogate: Bromofluorobenzene		118 %	70-130	12/27/23	12/28/23	
Surrogate: 1,2-Dichloroethane-d4		90.9 %	70-130	12/27/23	12/28/23	
Surrogate: Toluene-d8		105 %	70-130	12/27/23	12/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2352010
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/27/23	12/28/23	
Surrogate: Bromofluorobenzene		118 %	70-130	12/27/23	12/28/23	
Surrogate: 1,2-Dichloroethane-d4		90.9 %	70-130	12/27/23	12/28/23	
Surrogate: Toluene-d8		105 %	70-130	12/27/23	12/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2352020
Diesel Range Organics (C10-C28)	ND	25.0	1	12/28/23	12/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/28/23	12/29/23	
Surrogate: n-Nonane		91.4 %	50-200	12/28/23	12/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2352023
Chloride	81.5	20.0	1	12/28/23	12/29/23	



Sample Data

Talon LPE	Project Name:	Paul TB	Reported: 1/3/2024 3:53:34PM
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	

SW-7

E312174-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2352010
Benzene	ND	0.0250	1	12/27/23	12/28/23	
Ethylbenzene	ND	0.0250	1	12/27/23	12/28/23	
Toluene	ND	0.0250	1	12/27/23	12/28/23	
o-Xylene	ND	0.0250	1	12/27/23	12/28/23	
p,m-Xylene	ND	0.0500	1	12/27/23	12/28/23	
Total Xylenes	ND	0.0250	1	12/27/23	12/28/23	
Surrogate: Bromofluorobenzene		122 %	70-130	12/27/23	12/28/23	
Surrogate: 1,2-Dichloroethane-d4		93.3 %	70-130	12/27/23	12/28/23	
Surrogate: Toluene-d8		109 %	70-130	12/27/23	12/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2352010
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/27/23	12/28/23	
Surrogate: Bromofluorobenzene		122 %	70-130	12/27/23	12/28/23	
Surrogate: 1,2-Dichloroethane-d4		93.3 %	70-130	12/27/23	12/28/23	
Surrogate: Toluene-d8		109 %	70-130	12/27/23	12/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2352020
Diesel Range Organics (C10-C28)	ND	25.0	1	12/28/23	12/29/23	
Oil Range Organics (C28-C36)	53.4	50.0	1	12/28/23	12/29/23	
Surrogate: n-Nonane		93.9 %	50-200	12/28/23	12/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2352023
Chloride	74.5	20.0	1	12/28/23	12/29/23	



Sample Data

Talon LPE	Project Name:	Paul TB	Reported: 1/3/2024 3:53:34PM
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	

SW-8

E312174-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2352010	
Benzene	ND	0.0250	1	12/27/23	12/28/23	
Ethylbenzene	ND	0.0250	1	12/27/23	12/28/23	
Toluene	ND	0.0250	1	12/27/23	12/28/23	
o-Xylene	ND	0.0250	1	12/27/23	12/28/23	
p,m-Xylene	ND	0.0500	1	12/27/23	12/28/23	
Total Xylenes	ND	0.0250	1	12/27/23	12/28/23	
Surrogate: Bromofluorobenzene		120 %	70-130	12/27/23	12/28/23	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	12/27/23	12/28/23	
Surrogate: Toluene-d8		109 %	70-130	12/27/23	12/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2352010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/27/23	12/28/23	
Surrogate: Bromofluorobenzene		120 %	70-130	12/27/23	12/28/23	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	12/27/23	12/28/23	
Surrogate: Toluene-d8		109 %	70-130	12/27/23	12/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2352020	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/28/23	12/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/28/23	12/29/23	
Surrogate: n-Nonane		89.1 %	50-200	12/28/23	12/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2352023	
Chloride	91.6	20.0	1	12/28/23	12/29/23	



QC Summary Data

Talon LPE	Project Name:	Paul TB	Reported:
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	1/3/2024 3:53:34PM

Volatile Organic Compounds by EPA 8260B

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2352010-BLK1)Prepared: 12/27/23 Analyzed: 12/27/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.598		0.500		120	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			
Surrogate: Toluene-d8	0.537		0.500		107	70-130			

LCS (2352010-BS1)Prepared: 12/27/23 Analyzed: 12/27/23

Benzene	2.65	0.0250	2.50		106	70-130			
Ethylbenzene	2.65	0.0250	2.50		106	70-130			
Toluene	2.60	0.0250	2.50		104	70-130			
o-Xylene	2.68	0.0250	2.50		107	70-130			
p,m-Xylene	5.37	0.0500	5.00		107	70-130			
Total Xylenes	8.06	0.0250	7.50		107	70-130			
Surrogate: Bromofluorobenzene	0.628		0.500		126	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.552		0.500		110	70-130			

Matrix Spike (2352010-MS1)Source: E312174-03Prepared: 12/27/23 Analyzed: 12/27/23

Benzene	2.61	0.0250	2.50	ND	105	48-131			
Ethylbenzene	2.65	0.0250	2.50	ND	106	45-135			
Toluene	2.61	0.0250	2.50	ND	104	48-130			
o-Xylene	2.63	0.0250	2.50	ND	105	43-135			
p,m-Xylene	5.21	0.0500	5.00	ND	104	43-135			
Total Xylenes	7.84	0.0250	7.50	ND	105	43-135			
Surrogate: Bromofluorobenzene	0.609		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.1	70-130			
Surrogate: Toluene-d8	0.545		0.500		109	70-130			

Matrix Spike Dup (2352010-MSD1)Source: E312174-03Prepared: 12/27/23 Analyzed: 12/27/23

Benzene	2.56	0.0250	2.50	ND	102	48-131	2.22	23	
Ethylbenzene	2.63	0.0250	2.50	ND	105	45-135	0.871	27	
Toluene	2.56	0.0250	2.50	ND	103	48-130	1.86	24	
o-Xylene	2.57	0.0250	2.50	ND	103	43-135	2.29	27	
p,m-Xylene	5.17	0.0500	5.00	ND	103	43-135	0.809	27	
Total Xylenes	7.74	0.0250	7.50	ND	103	43-135	1.30	27	
Surrogate: Bromofluorobenzene	0.617		0.500		123	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.1	70-130			
Surrogate: Toluene-d8	0.549		0.500		110	70-130			



QC Summary Data

Talon LPE	Project Name:	Paul TB	Reported:
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	1/3/2024 3:53:34PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2352010-BLK1) Prepared: 12/27/23 Analyzed: 12/27/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.598		0.500		120	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			
Surrogate: Toluene-d8	0.537		0.500		107	70-130			

LCS (2352010-BS2) Prepared: 12/27/23 Analyzed: 12/27/23

Gasoline Range Organics (C6-C10)	56.7	20.0	50.0		113	70-130			
Surrogate: Bromofluorobenzene	0.617		0.500		123	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		95.0	70-130			
Surrogate: Toluene-d8	0.551		0.500		110	70-130			

Matrix Spike (2352010-MS2) Source: E312174-03 Prepared: 12/27/23 Analyzed: 12/27/23

Gasoline Range Organics (C6-C10)	58.4	20.0	50.0	ND	117	70-130			
Surrogate: Bromofluorobenzene	0.607		0.500		121	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.5	70-130			
Surrogate: Toluene-d8	0.545		0.500		109	70-130			

Matrix Spike Dup (2352010-MSD2) Source: E312174-03 Prepared: 12/27/23 Analyzed: 12/27/23

Gasoline Range Organics (C6-C10)	54.3	20.0	50.0	ND	109	70-130	7.35	20	
Surrogate: Bromofluorobenzene	0.624		0.500		125	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.466		0.500		93.1	70-130			
Surrogate: Toluene-d8	0.559		0.500		112	70-130			



QC Summary Data

Talon LPE	Project Name:	Paul TB	Reported:
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	1/3/2024 3:53:34PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2352020-BLK1)					Prepared: 12/28/23 Analyzed: 12/28/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.0		50.0		90.0	50-200			

LCS (2352020-BS1)					Prepared: 12/28/23 Analyzed: 12/28/23				
Diesel Range Organics (C10-C28)	271	25.0	250		108	38-132			
Surrogate: n-Nonane	50.6		50.0		101	50-200			

Matrix Spike (2352020-MS1)					Source: E312172-03		Prepared: 12/28/23 Analyzed: 12/28/23		
Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	47.8		50.0		95.6	50-200			

Matrix Spike Dup (2352020-MSD1)					Source: E312172-03		Prepared: 12/28/23 Analyzed: 12/28/23		
Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132	0.00971	20	
Surrogate: n-Nonane	47.1		50.0		94.2	50-200			



QC Summary Data

Talon LPE	Project Name:	Paul TB	Reported:
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	1/3/2024 3:53:34PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2352023-BLK1)					Prepared: 12/28/23 Analyzed: 12/28/23				
Chloride	ND	20.0							
LCS (2352023-BS1)					Prepared: 12/28/23 Analyzed: 12/28/23				
Chloride	248	20.0	250		99.1	90-110			
Matrix Spike (2352023-MS1)					Source: E312172-02		Prepared: 12/28/23 Analyzed: 12/28/23		
Chloride	252	20.0	250	ND	101	80-120			
Matrix Spike Dup (2352023-MSD1)					Source: E312172-02		Prepared: 12/28/23 Analyzed: 12/28/23		
Chloride	251	20.0	250	ND	100	80-120	0.549	20	

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



Definitions and Notes

Talon LPE	Project Name:	Paul TB	
408 W Texas Ave	Project Number:	23052-0001	Reported:
Artesia NM, 88210	Project Manager:	Chad Hensley	01/03/24 15:53

- ND Analyte NOT DETECTED at or above the reporting limit
 - NR Not Reported
 - RPD Relative Percent Difference
 - DNI Did Not Ignite
 - DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: Talon LPE
 Project: Paul TB
 Project Manager: C. Hensley
 Address: 408 W. Texas Ave
 City, State, Zip: Artesia, NM 88210
 Phone: 575-746-8768
 Email: chensley@talonlpe.com
 Report due by:

Bill To
 Attention: Matador
 Address: Clint Talley
 City, State, Zip
 Phone:
 Email:

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E 312174	23062-0001				X		
Analysis and Method						RCRA	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC	TX	GDGC	Remarks
0900	12/21/23	Soil	1	C-1 5'	1	x	x			x				
0905				C-2	2									
0910				C-3	3									
0916				C-4	4									
0918				SW-1	5									
0920				SW-2	6									
0927				SW-3	7									
0936				SW-4	8									
1010				SW-5	9									
1014				SW-6	10									

Additional Instructions:

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

Sampled by:

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: ☒ Y / ☐ N T1 _____ T2 _____ T3 _____ AVG Temp °C 4
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

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

Project Information

Chain of Custody

Client: Talon LPE Project: Paul TB Project Manager: C. Hensley Address: 408 W. Texas Ave City, State, Zip: Artesia, NM 88210 Phone: 575-746-8768 Email: chensley@talonlpe.com Report due by:				Bill To Attention: Matador Address: Clint Talley City, State, Zip: Phone: Email:				Lab Use Only Lab WO# E312174 Job Number 23052-0001				TAT 1D 2D 3D Standard X				EPA Program CWA SDWA	
								Analysis and Method								RCRA	
								State								NM CO UT AZ TX	
								X									
								Remarks									
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX					
1021	12/21/23	Soil	1	SW-7	11	X	X			X							
1031				SW-8	12												
Additional Instructions:																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																	
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only					
[Signature]		12/21/23				[Signature]		12-22-23		1315		Received on ice: [X] / N					
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 T2 T3					
[Signature]		12-22-23		1445		[Signature]		12-22-23		1600							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		AVG Temp °C					
[Signature]		12-22-23		2400		[Signature]		12/27/23		8:00		4					
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																	
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																	
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	

Envirotech Analytical Laboratory

Printed: 12/27/2023 11:28:28AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Talon LPE	Date Received:	12/27/23 08:00	Work Order ID:	E312174
Phone:	(575) 746-8768	Date Logged In:	12/27/23 08:49	Logged In By:	Jordan Montano
Email:	chensley@talonlpe.com	Due Date:	03/13/24 17:00 (54 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

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

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Chad Hensley



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Paul 25 CTB

Work Order: E404217

Job Number: 23042-0001

Received: 4/22/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/26/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 4/26/24

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



Project Name: Paul 25 CTB
Workorder: E404217
Date Received: 4/22/2024 8:30:00AM

Chad Hensley,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/22/2024 8:30:00AM, under the Project Name: Paul 25 CTB.

The analytical test results summarized in this report with the Project Name: Paul 25 CTB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Laboratory Administrator
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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Paul 25 CTB Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 04/26/24 12:05
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
C-1 0-1'	E404217-01A	Soil	04/15/24	04/22/24	Glass Jar, 2 oz.
SW-1	E404217-02A	Soil	04/15/24	04/22/24	Glass Jar, 2 oz.
SW-2	E404217-03A	Soil	04/15/24	04/22/24	Glass Jar, 2 oz.
SW-3	E404217-04A	Soil	04/15/24	04/22/24	Glass Jar, 2 oz.
SW-4	E404217-05A	Soil	04/15/24	04/22/24	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Paul 25 CTB Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/26/2024 12:05:04PM
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C-1 0-1'
E404217-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2417013	
Benzene	ND	0.0250	1	04/22/24	04/23/24	
Ethylbenzene	ND	0.0250	1	04/22/24	04/23/24	
Toluene	ND	0.0250	1	04/22/24	04/23/24	
o-Xylene	ND	0.0250	1	04/22/24	04/23/24	
p,m-Xylene	ND	0.0500	1	04/22/24	04/23/24	
Total Xylenes	ND	0.0250	1	04/22/24	04/23/24	
Surrogate: 4-Bromochlorobenzene-PID	94.7 %	70-130		04/22/24	04/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2417013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/24	04/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.8 %	70-130		04/22/24	04/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2417018	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/22/24	04/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/22/24	04/23/24	
Surrogate: n-Nonane	109 %	50-200		04/22/24	04/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2417010	
Chloride	75.4	20.0	1	04/22/24	04/22/24	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Paul 25 CTB
Project Number: 23042-0001
Project Manager: Chad Hensley

Reported:
4/26/2024 12:05:04PM

SW-1

E404217-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2417013	
Benzene	ND	0.0250	1	04/22/24	04/23/24	
Ethylbenzene	ND	0.0250	1	04/22/24	04/23/24	
Toluene	ND	0.0250	1	04/22/24	04/23/24	
o-Xylene	ND	0.0250	1	04/22/24	04/23/24	
p,m-Xylene	ND	0.0500	1	04/22/24	04/23/24	
Total Xylenes	ND	0.0250	1	04/22/24	04/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.3 %	70-130		04/22/24	04/23/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2417013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/24	04/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.0 %	70-130		04/22/24	04/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2417018	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/22/24	04/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/22/24	04/23/24	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		04/22/24	04/23/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2417010	
Chloride	67.6	20.0	1	04/22/24	04/22/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Paul 25 CTB Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/26/2024 12:05:04PM
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SW-2

E404217-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2417013	
Benzene	ND	0.0250	1	04/22/24	04/23/24	
Ethylbenzene	ND	0.0250	1	04/22/24	04/23/24	
Toluene	ND	0.0250	1	04/22/24	04/23/24	
o-Xylene	ND	0.0250	1	04/22/24	04/23/24	
p,m-Xylene	ND	0.0500	1	04/22/24	04/23/24	
Total Xylenes	ND	0.0250	1	04/22/24	04/23/24	
Surrogate: 4-Bromochlorobenzene-PID	95.5 %	70-130		04/22/24	04/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2417013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/24	04/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.4 %	70-130		04/22/24	04/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2417018	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/22/24	04/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/22/24	04/23/24	
Surrogate: n-Nonane	110 %	50-200		04/22/24	04/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2417010	
Chloride	63.0	20.0	1	04/22/24	04/22/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Paul 25 CTB Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/26/2024 12:05:04PM
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SW-3

E404217-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2417013	
Benzene	ND	0.0250	1	04/22/24	04/23/24	
Ethylbenzene	ND	0.0250	1	04/22/24	04/23/24	
Toluene	ND	0.0250	1	04/22/24	04/23/24	
o-Xylene	ND	0.0250	1	04/22/24	04/23/24	
p,m-Xylene	ND	0.0500	1	04/22/24	04/23/24	
Total Xylenes	ND	0.0250	1	04/22/24	04/23/24	
Surrogate: 4-Bromochlorobenzene-PID	95.9 %	70-130		04/22/24	04/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2417013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/24	04/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.6 %	70-130		04/22/24	04/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2417018	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/22/24	04/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/22/24	04/23/24	
Surrogate: n-Nonane	104 %	50-200		04/22/24	04/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2417010	
Chloride	ND	20.0	1	04/22/24	04/22/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Paul 25 CTB Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/26/2024 12:05:04PM
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SW-4

E404217-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2417013	
Benzene	ND	0.0250	1	04/22/24	04/23/24	
Ethylbenzene	ND	0.0250	1	04/22/24	04/23/24	
Toluene	ND	0.0250	1	04/22/24	04/23/24	
o-Xylene	ND	0.0250	1	04/22/24	04/23/24	
p,m-Xylene	ND	0.0500	1	04/22/24	04/23/24	
Total Xylenes	ND	0.0250	1	04/22/24	04/23/24	
Surrogate: 4-Bromochlorobenzene-PID	95.4 %	70-130		04/22/24	04/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2417013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/24	04/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.6 %	70-130		04/22/24	04/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2417018	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/22/24	04/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/22/24	04/23/24	
Surrogate: n-Nonane	103 %	50-200		04/22/24	04/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2417010	
Chloride	ND	20.0	1	04/22/24	04/22/24	



QC Summary Data

Matador Resources, LLC.	Project Name:	Paul 25 CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	4/26/2024 12:05:04PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2417013-BLK1)Prepared: 04/22/24 Analyzed: 04/23/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.55		8.00		94.4	70-130			

LCS (2417013-BS1)Prepared: 04/22/24 Analyzed: 04/23/24

Benzene	4.91	0.0250	5.00		98.3	70-130			
Ethylbenzene	4.78	0.0250	5.00		95.7	70-130			
Toluene	4.91	0.0250	5.00		98.1	70-130			
o-Xylene	4.84	0.0250	5.00		96.8	70-130			
p,m-Xylene	9.79	0.0500	10.0		97.9	70-130			
Total Xylenes	14.6	0.0250	15.0		97.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.57		8.00		94.7	70-130			

Matrix Spike (2417013-MS1)Source: E404219-01Prepared: 04/22/24 Analyzed: 04/23/24

Benzene	5.72	0.0250	5.00	ND	114	54-133			
Ethylbenzene	5.56	0.0250	5.00	ND	111	61-133			
Toluene	5.71	0.0250	5.00	ND	114	61-130			
o-Xylene	5.65	0.0250	5.00	ND	113	63-131			
p,m-Xylene	11.3	0.0500	10.0	ND	113	63-131			
Total Xylenes	17.0	0.0250	15.0	ND	113	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.57		8.00		94.6	70-130			

Matrix Spike Dup (2417013-MSD1)Source: E404219-01Prepared: 04/22/24 Analyzed: 04/23/24

Benzene	5.05	0.0250	5.00	ND	101	54-133	12.5	20	
Ethylbenzene	4.91	0.0250	5.00	ND	98.2	61-133	12.4	20	
Toluene	5.03	0.0250	5.00	ND	101	61-130	12.6	20	
o-Xylene	4.97	0.0250	5.00	ND	99.4	63-131	12.7	20	
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131	12.2	20	
Total Xylenes	15.0	0.0250	15.0	ND	100	63-131	12.4	20	
Surrogate: 4-Bromochlorobenzene-PID	7.50		8.00		93.8	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Paul 25 CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	4/26/2024 12:05:04PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2417013-BLK1) Prepared: 04/22/24 Analyzed: 04/23/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.4	70-130			

LCS (2417013-BS2) Prepared: 04/22/24 Analyzed: 04/23/24

Gasoline Range Organics (C6-C10)	42.9	20.0	50.0		85.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.21		8.00		90.1	70-130			

Matrix Spike (2417013-MS2) Source: E404219-01 Prepared: 04/22/24 Analyzed: 04/23/24

Gasoline Range Organics (C6-C10)	44.4	20.0	50.0	ND	88.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.32		8.00		91.5	70-130			

Matrix Spike Dup (2417013-MSD2) Source: E404219-01 Prepared: 04/22/24 Analyzed: 04/23/24

Gasoline Range Organics (C6-C10)	44.6	20.0	50.0	ND	89.2	70-130	0.517	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		92.0	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Paul 25 CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	4/26/2024 12:05:04PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2417018-BLK1) Prepared: 04/22/24 Analyzed: 04/23/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.4		50.0		111	50-200			

LCS (2417018-BS1) Prepared: 04/22/24 Analyzed: 04/23/24

Diesel Range Organics (C10-C28)	313	25.0	250		125	38-132			
Surrogate: n-Nonane	56.7		50.0		113	50-200			

Matrix Spike (2417018-MS1) Source: E404220-01 Prepared: 04/22/24 Analyzed: 04/23/24

Diesel Range Organics (C10-C28)	314	25.0	250	ND	126	38-132			
Surrogate: n-Nonane	56.8		50.0		114	50-200			

Matrix Spike Dup (2417018-MSD1) Source: E404220-01 Prepared: 04/22/24 Analyzed: 04/23/24

Diesel Range Organics (C10-C28)	309	25.0	250	ND	124	38-132	1.50	20	
Surrogate: n-Nonane	54.9		50.0		110	50-200			



QC Summary Data

Matador Resources, LLC.	Project Name:	Paul 25 CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	4/26/2024 12:05:04PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2417010-BLK1)					Prepared: 04/22/24 Analyzed: 04/22/24				
Chloride	ND	20.0							
LCS (2417010-BS1)					Prepared: 04/22/24 Analyzed: 04/22/24				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2417010-MS1)					Source: E404222-02		Prepared: 04/22/24 Analyzed: 04/22/24		
Chloride	561	200	250	324	94.7	80-120			
Matrix Spike Dup (2417010-MSD1)					Source: E404222-02		Prepared: 04/22/24 Analyzed: 04/22/24		
Chloride	571	200	250	324	98.7	80-120	1.75	20	

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Paul 25 CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	Reported:
Dallas TX, 75240	Project Manager:	Chad Hensley	04/26/24 12:05

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Chain of Custody

Page 1 of 1

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: <u>Mataler</u>				Company: <u>Tabular</u>				Lab WO# <u>E 404217</u>		Job Number <u>23042-0001</u>		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: <u>Paul 25 CTB</u>				Address:												☒			
Project Manager: <u>C. Hensley</u>				City, State, Zip:															
Address: <u>409 W. Texas</u>				Phone:															
City, State, Zip: <u>Artesia, NM, 88210</u>				Email:															
Phone: <u>575-206-7484</u>				Miscellaneous:															
Email: <u>R Plogger @ Tabular.com</u>																			

Sample Information						Analysis and Method										EPA Program			Remarks
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRQ/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA		
1341	4-19-24	Soil	1	C-1 0-1'		1	X	X	X		X								
1350				SW-1		2													
1355				SW-2		3													
1401				SW-3		4													
1410				SW-4		5													

Additional Instructions:

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

Sampled by: <u>[Signature]</u>						Received by: (Signature) <u>[Signature]</u>						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <u>(Y)</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>					
Relinquished by: (Signature) <u>[Signature]</u>		Date <u>4-19-24</u>		Time <u>6:00</u>		Relinquished by: (Signature) <u>[Signature]</u>		Date <u>4-19-24</u>		Time <u>2400</u>							
Relinquished by: (Signature) <u>[Signature]</u>		Date <u>4-19-24</u>		Time <u>2400</u>		Relinquished by: (Signature) <u>[Signature]</u>		Date <u>4-22-24</u>		Time <u>0830</u>							
Relinquished by: (Signature) _____		Date _____		Time _____		Relinquished by: (Signature) _____		Date _____		Time _____							

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



envirotech

Envirotech Analytical Laboratory

Printed: 4/22/2024 10:53:26AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	04/22/24 08:30	Work Order ID:	E404217
Phone:	(972) 371-5200	Date Logged In:	04/19/24 16:30	Logged In By:	Alexa Michaels
Email:		Due Date:	04/26/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

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

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

QUESTIONS

Action 350883

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 350883
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2125042984
Incident Name	NAPP2125042984 PAUL TANK BATTERY @ 30-015-43018
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-43018] PAUL 25 24S 28E RB #221H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	PAUL TANK BATTERY
Date Release Discovered	09/04/2021
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pump Produced Water Released: 16 BBL Recovered: 1 BBL Lost: 15 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	SWD pump on facility had valve fail.

District I

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District III

1000 Rio Brazos Rd., Aztec, NM 87410
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District IV

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

QUESTIONS, Page 2

Action 350883

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID:	228937
	Action Number:	350883
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 06/05/2024
--	--

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1625 N. French Dr., Hobbs, NM 88240
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District IV

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS, Page 3

Action 350883

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 350883
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 500 and 1000 (ft.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 500 and 1000 (ft.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 500 and 1000 (ft.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	5110
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	11690
GRO+DRO	(EPA SW-846 Method 8015M)	11690
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	08/31/2023
On what date will (or did) the final sampling or liner inspection occur	04/19/2024
On what date will (or was) the remediation complete(d)	04/19/2024
What is the estimated surface area (in square feet) that will be reclaimed	762
What is the estimated volume (in cubic yards) that will be reclaimed	142
What is the estimated surface area (in square feet) that will be remediated	762
What is the estimated volume (in cubic yards) that will be remediated	142

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 350883

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 350883
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 06/05/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 350883

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID:
	228937
	Action Number:
	350883
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

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

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QUESTIONS, Page 6

Action 350883

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 350883
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	333521
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/19/2024
What was the (estimated) number of samples that were to be gathered	5
What was the sampling surface area in square feet	200

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	200
What was the total volume (cubic yards) remediated	7.5
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	762
What was the total volume (in cubic yards) reclaimed	142
Summarize any additional remediation activities not included by answers (above)	N/A

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 06/05/2024
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QUESTIONS, Page 7

Action 350883

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 350883
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 350883

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
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CONDITIONS

Created By	Condition	Condition Date
amaxwell	Remediation closure approved.	6/5/2024
amaxwell	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	6/5/2024
amaxwell	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least ONE(1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	6/5/2024