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Deferment Report

Federal 30 TB
Lea County, New Mexico
Incident # nAPP2401856462

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

June 14, 2024



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

Bureau of Land Management
620 E. Greene Street
Carlsbad, New Mexico 88220

Subject: **Deferment Report**
Federal 30 TB
Lea County, New Mexico
Incident # nAPP2401856462

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 deferment request are presented herein.

Site Information

The Federal 30 TB is located approximately 29 miles southwest of Hobbs, New Mexico. The legal location for this release is Unit Letter L, Section 30, Township 19 South, and Range 33 East in Lea County, New Mexico. The latitude and longitude for the site is 32.63791, -103.70046. 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 Pyote and Maljamar fine sands complex with 0 to 3 percent slopes and Kermit-Palomas fine sands, 0 to 12 percent slopes. The referenced soil data is presented in [Appendix III](#). Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology consists of eolian and piedmont deposits, Holocene to middle Pleistocene in age. Drainage courses in this area are typically well drained. Groundwater and site characterization data is summarized in the following table.

Groundwater and Site Characterization

What is the shallowest depth to groundwater beneath the area affected by the release?	Between 100 and 500 (ft bgs)
What method was used to determine the depth to groundwater?	US Geological Survey
Did the release impact groundwater or surface water?	No
Distance from a flowing watercourse or any other significant watercourse.	Greater than 5 miles
Distance from any lakebed, sinkhole, or playa lake.	Between 1 and 5 mile
Distance from an occupied permanent residence, school, hospital, institution, or church.	Greater than 5 miles
Distance from a spring or private domestic fresh water well used by less than five households for domestic or stock watering purposes.	Between 1 and 5 mile
Distance from any fresh water well or spring.	Between 1 and 5 mile
Distance from incorporated municipal boundaries or a defined municipal fresh water field.	Greater than 5 miles
Distance from a wetland.	Between 1 and 5 mile
Distance from a subsurface mine.	Greater than 5 miles
Distance from (non-karst) unstable area.	Greater than 5 miles
Categorize the risk of this well/site being in a karst geology.	Low
Distance from a 100 year floodplain.	Greater than 5 miles
Did the release impact areas not on an exploration, development, production, or storage site?	Yes

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

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

*Or other test methods approved by the division,

**Numerical limits or natural background level, whichever is greater.

***This applies to releases of produced water or other fluids, which may contain chloride.

[19.15.29.12 NMAC - N, 8/14/2018]

Incident Description

On January 18, 2024, approximately 17 barrels (bbls) of produced water were released onto the well pad due to a pump equipment failure. A vacuum truck was dispatched and 15 bbls of produced water were recovered from the area. The release was reported to the NMOCD and was assigned incident # nAPP2401856462.

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

Site Assessment Activities

On January 24, 2024, soil samples were collected from the site at nine (9) locations in the release area. Sample locations were completed to a depth of four (4) feet bgs or until refusal. Total chloride concentrations were documented throughout the release area and an exceedance of total TPH was documented in the surface sample at S-3.

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

Remediation Activities

Upon client authorization, initial excavation activities began on April 2, 2024, and continued through April 10, 2024. Based upon initial assessment data, the spill footprint was to be machine excavated to a depth of five (5) to six (6) feet in the release area. Confirmation samples were collected from the excavation on April 19, 2024.

Soil samples were packaged in laboratory provided glassware, preserved on ice, and transported with the chain of custody to Envirotech, Inc., 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).

After review of the first confirmation sampling event, two (2) areas had documented exceedances of NMOCD closure criteria at S-4 and S-9. On May 13, 2024, the area of S-4 was deepened to six (6) feet bgs and S-9 was deepened to eight (8) feet bgs. Final confirmation samples were collected from the bottom excavation areas of S-4 and S-9 and excavation sidewalls adjacent to the secondary containment on May 13, 2024, to confirm that NMOCD closure criteria had been met for all areas outside of the deferment area, the results of which can be found Table 2 in [Appendix II](#). Confirmation sample locations and excavation dimensions can be found on the confirmation sample map, [Figure 2](#) in [Appendix I](#).

The samples were transported under chain of custody to Eurofins Laboratories Inc., for analysis of Total Chlorides (EPA Method 300.0), Total Petroleum Hydrocarbons (TPH, EPA Method 8015B NM) and Volatile Organics (BTEX, EPA Method 8021B). Complete laboratory reports for the remediation efforts are attached in [Appendix V](#) and summarized in the Table 2 in [Appendix II](#).

Remedial Action Summary

- The impacted sidewall areas of SW-14 and SW-15 will need to be deferred. The deferment area is located adjacent to the secondary containment.
- The impacted areas on location were excavated to depths of five (5) to eight (8) feet bgs. Talon field titrated soil samples for total chlorides to guide the vertical and horizontal extents of the excavation process.
- Pursuant to NMOCD guidance, confirmation soil samples were collected at 200 square foot intervals and analyzed for TPH, BTEX, and Total Chlorides to insure all other areas outside of deferment had reached NMOCD closure criteria.

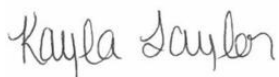
- The excavated areas on the well pad were backfilled with new caliche, machine compacted, and contoured to match the surrounding location.
- Excavated areas adjacent to the pasture area were backfilled with clean, locally obtained topsoil.
- Approximately 596 cubic yards of excavated material was transported to R360, a NMOCD approved solid waste disposal facility.
- Photographic documentation is provided in [Appendix IV](#).

Deferment Request

Based on the site assessment, characterization data, remedial actions completed, and confirmation sampling results completed for this project, on behalf of Matador Resources, we respectfully request that no further actions be required at this time and the deferral of the sidewall areas of SW-14 and SW-15 be granted due to their proximity to the secondary containment and compromising structural integrity.

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 Adkins
Regional Manager

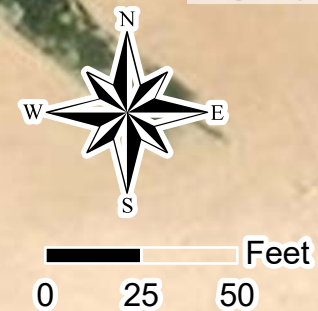
Attachments:

- Appendix I Site Maps
- Appendix II Tables
- Appendix III Site Characterization
- Appendix IV Photographic Documentation
- Appendix V Laboratory Analytical Data



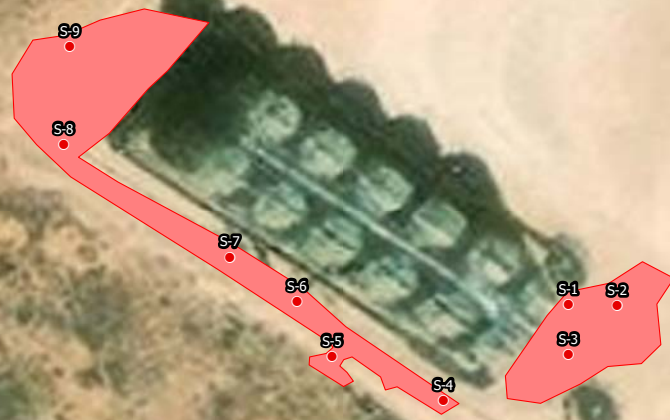
APPENDIX I

Site Maps



Legend

- Soil Sample
- Spill Area

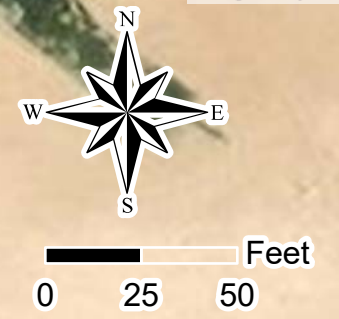


Maxar, Microsoft



Drafted: 5/29/2024
 1 in = 50 ft
 Drafted By: IJR

Matador Resources
 Federal 30 TB
 Incident # nAPP2401856462
 Lea County, New Mexico
 Figure 1 - Assessment Sampling Map



Legend

- Soil Sample
- ▭ Excavation

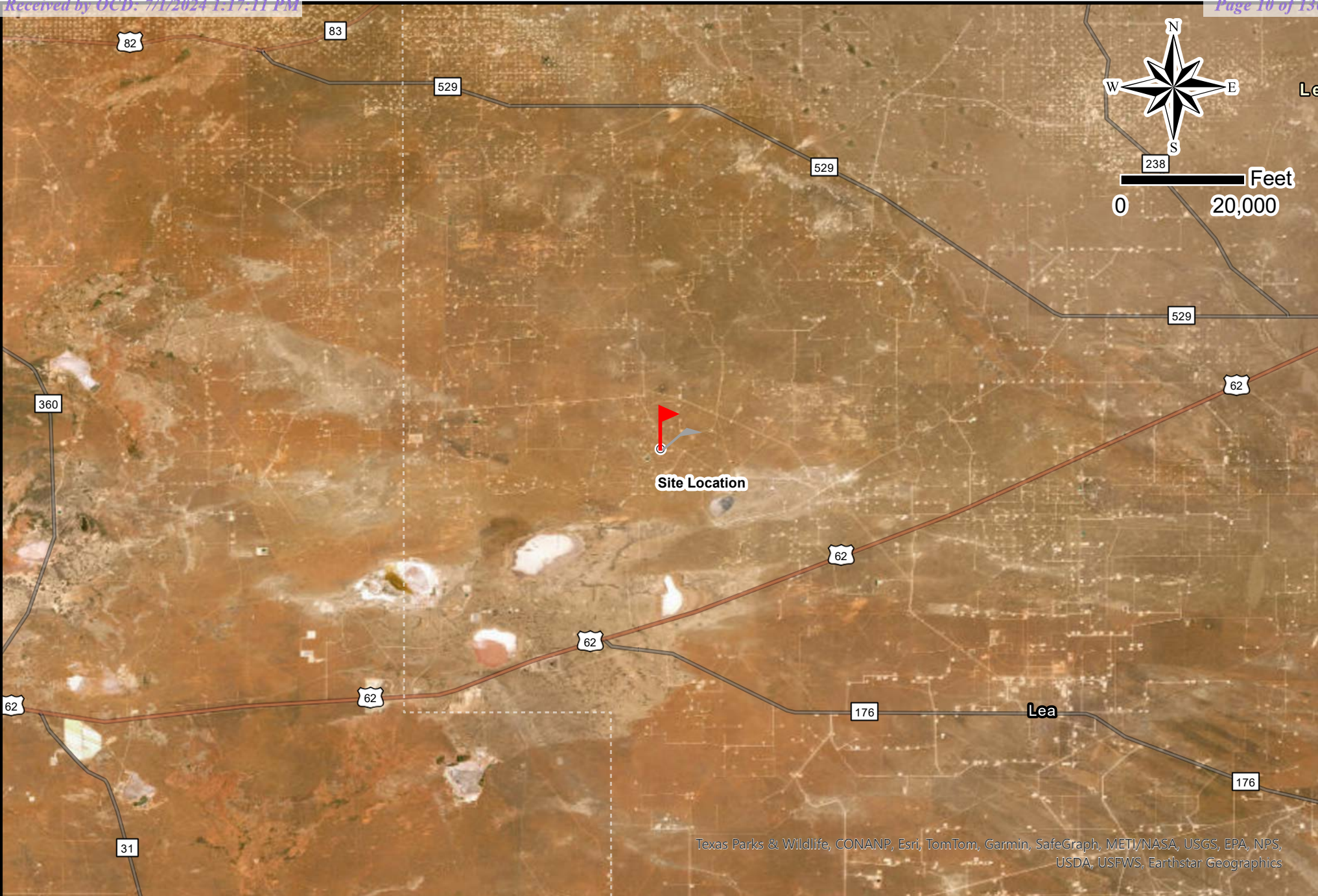


Maxar, Microsoft



Drafted: 5/29/2024
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 Drafted By: IJR

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 Federal 30 TB
 Incident # nAPP2401856462
 Lea County, New Mexico
 Figure 2 - Confirmation Sampling Map

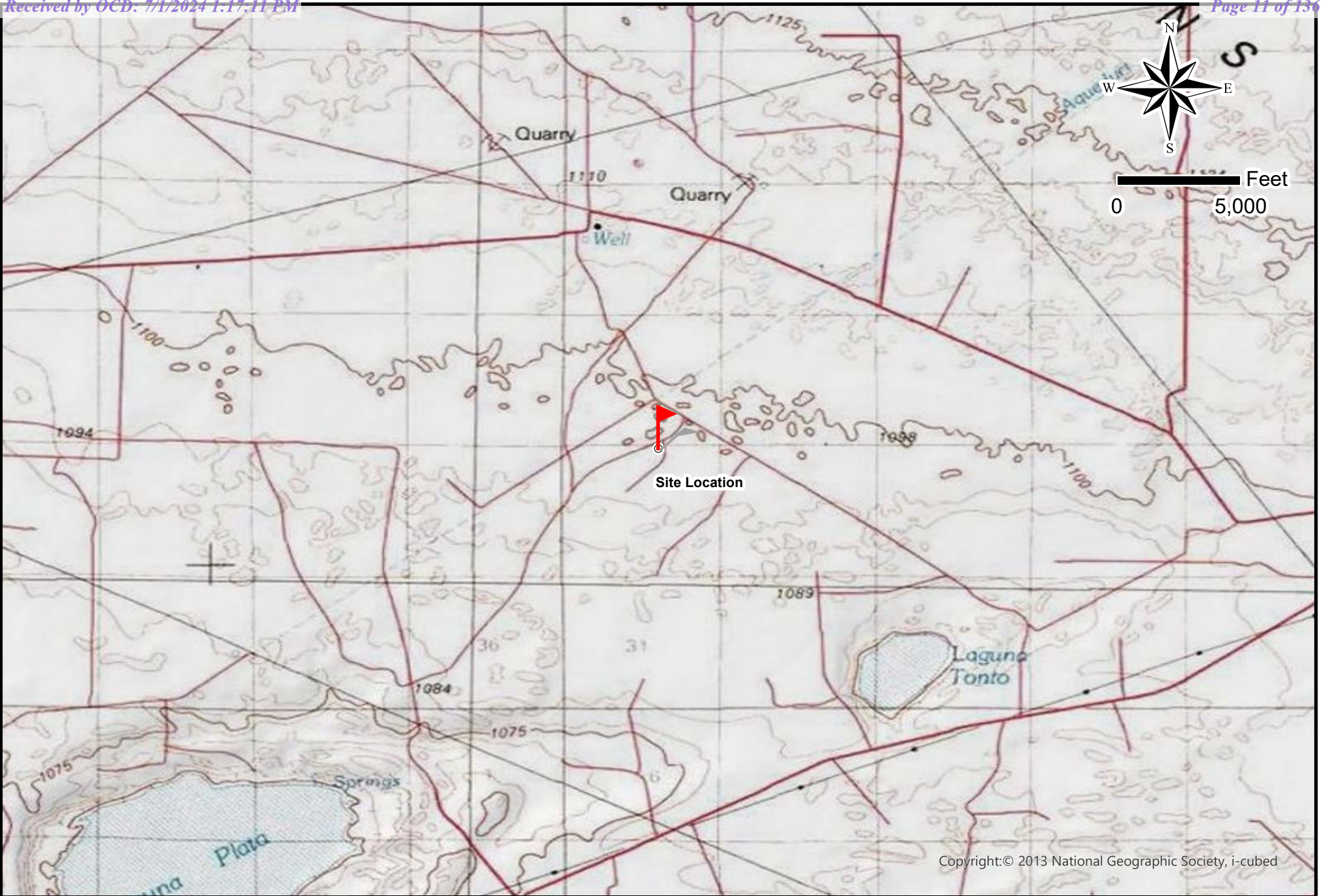


Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, USFWS, Earthstar Geographics



Drafted: 5/29/2024
 1 in = 20,000 ft
 Drafted By: IJR

Matador Resources
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 Incident # nAPP2401856462
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 Figure 3 - Site Location Map



Copyright:© 2013 National Geographic Society, i-cubed



Drafted: 5/29/2024
 1 in = 5,000 ft
 Drafted By: IJR

Matador Resources
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 Lea County, New Mexico
 Figure 4 - Topographic Map



Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, USFWS, Earthstar Geographics



Drafted: 5/29/2024
 1 in = 20,000 ft
 Drafted By: IJR

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 Incident # nAPP2401856462
 Lea County, New Mexico
 Figure 5 - Karst Map



APPENDIX II

Tables

**Table 1
Assessment Sampling
Laboratory Analytical Summary**

Sample ID	Sample Date	Depth (BGS)	Benzene mg/kg	BTEX mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			10 mg/kg	50 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S-1	1/24/2024	0.5'R	ND	ND	ND	ND	ND	-	10200
S-2	1/24/2024	0.5'R	ND	ND	ND	ND	ND	-	6400
S-3	1/24/2024	0.5'R	ND	ND	ND	230	261	491	4550
S-4	1/24/2024	0-1'	ND	ND	ND	ND	ND	-	15800
	1/24/2024	3'	ND	ND	ND	ND	ND	-	1050
	1/24/2024	4'	ND	ND	ND	ND	ND	-	351
S-5	1/24/2024	0-1'	ND	ND	ND	ND	ND	-	4260
	1/24/2024	3'	ND	ND	ND	ND	ND	-	7190
	1/24/2024	4'	ND	ND	ND	ND	ND	-	2900
S-6	1/24/2024	0-1'R	ND	ND	ND	ND	ND	-	9460
S-7	1/24/2024	0.5'R	ND	ND	ND	ND	ND	-	18300
S-8	1/24/2024	0-1'	ND	ND	ND	ND	ND	-	7080
	1/24/2024	3'R	ND	ND	ND	ND	ND	-	10900
S-9	1/24/2024	0-1'R	ND	ND	ND	ND	ND	-	4310

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 Sampling
Laboratory Analytical Summary

Sample ID	Sample Date	Depth (BGS)	Benzene mg/kg	BTEX mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			10 mg/kg	50 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S-1	4/19/2024	5'	ND	ND	ND	ND	ND	-	137
S-2	4/19/2024	5'	ND	ND	ND	ND	ND	-	79.4
S-3	4/19/2024	5'	ND	ND	ND	ND	ND	-	122
S-4	4/19/2024	5'	ND	ND	ND	ND	ND	-	630
	5/13/2024	6'	ND	ND	ND	ND	ND	-	81.6
S-5	4/19/2024	5'	ND	ND	ND	ND	ND	-	310
S-6	4/19/2024	6'	ND	ND	ND	ND	ND	-	64.7
S-7	4/19/2024	6'	ND	ND	ND	ND	ND	-	117
S-8	4/19/2024	6'	ND	ND	ND	ND	ND	-	89.8
S-9	4/19/2024	6'	ND	ND	ND	ND	ND	-	1230
	5/13/2024	8'	ND	ND	ND	ND	ND	-	34.0
S-10	4/19/2024	6'	ND	ND	ND	ND	ND	-	57.1
S-11	4/19/2024	6'	ND	ND	ND	ND	ND	-	85.5
S-12	4/19/2024	6'	ND	ND	ND	ND	ND	-	73.2
S-13	4/19/2024	6'	ND	ND	ND	ND	ND	-	137
S-14	4/19/2024	6'	ND	ND	ND	ND	ND	-	303
S-15	4/19/2024	5'	ND	ND	ND	ND	ND	-	68.8
S-16	4/19/2024	5'	ND	ND	ND	ND	ND	-	78.8
S-17	4/19/2024	5'	ND	ND	ND	ND	ND	-	77.2
S-18	4/19/2024	5'	ND	ND	ND	ND	ND	-	ND
S-19	4/19/2024	5'	ND	ND	ND	ND	ND	-	31.9
SW-1	4/19/2024	-	ND	ND	ND	ND	ND	-	ND
SW-2	4/19/2024	-	ND	ND	ND	ND	ND	-	263
SW-3	4/19/2024	-	ND	ND	ND	ND	ND	-	592
SW-4	4/19/2024	-	ND	ND	ND	ND	ND	-	122
SW-5	4/19/2024	-	ND	ND	ND	ND	ND	-	46.5
SW-6	4/19/2024	-	ND	ND	ND	ND	ND	-	ND
SW-7	4/19/2024	-	ND	ND	ND	ND	ND	-	ND

**Table 2
Confirmation Sampling
Laboratory Analytical Summary**

Sample ID	Sample Date	Depth (BGS)	Benzene mg/kg	BTEX mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			10 mg/kg	50 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
SW-8	4/19/2024	-	ND	ND	ND	ND	ND	-	338
SW-9	4/19/2024	-	ND	ND	ND	ND	ND	-	ND
SW-10	4/19/2024	-	ND	ND	ND	ND	ND	-	ND
SW-11	5/13/2024	-	ND	0.00416	ND	ND	ND	-	132
SW-12	5/13/2024	-	ND	0.0134	ND	ND	ND	-	92.5
SW-13	5/13/2024	-	ND	0.00257	ND	ND	ND	-	106
SW-14	5/13/2024	-	ND	ND	ND	ND	ND	-	3740
SW-15	5/13/2024	-	ND	0.00376	ND	ND	ND	-	1300
SW-16	5/13/2024	-	ND	ND	ND	ND	ND	-	359

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
- SW** Sidewall
- ND** Analyte Not Detected

Highlighted cells indicate exceedance of NMOCD Table 1 Closure Criteria



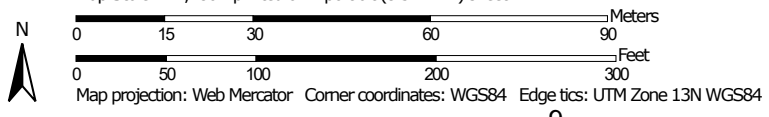
APPENDIX III
Site Characterization

Custom Soil Resource Report Soil Map



Soil Map may not be valid at this scale.

Map Scale: 1:1,280 if printed on A portrait (8.5" x 11") sheet.



Custom Soil Resource Report

Lea County, New Mexico

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

Map Unit Setting

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

Map Unit Composition

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

Description of Kermit**Setting**

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

Typical profile

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

Properties and qualities

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

Interpretive groups

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

Description of Palomas**Setting**

Landform: Dunes

Custom Soil Resource Report

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

Landform position (three-dimensional): Side slope

Down-slope shape: Concave, convex, linear

Across-slope shape: Convex

Parent material: Alluvium derived from sandstone

Typical profile

A - 0 to 16 inches: fine sand

Bt - 16 to 60 inches: sandy clay loam

Bk - 60 to 66 inches: sandy loam

Properties and qualities

Slope: 0 to 5 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 50 percent

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Moderate (about 7.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: B

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Minor Components**Pyote**

Percent of map unit: 4 percent

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Maljamar

Percent of map unit: 4 percent

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Palomas

Percent of map unit: 1 percent

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Dune land

Percent of map unit: 1 percent

Hydric soil rating: No

Custom Soil Resource Report

PU—Pyote and Maljamar fine sands**Map Unit Setting**

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

Map Unit Composition

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

Description of Pyote**Setting**

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

Typical profile

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

Properties and qualities

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

Interpretive groups

Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: A

Custom Soil Resource Report

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Description of Maljamar**Setting**

Landform: Plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 24 inches: fine sand

Bt - 24 to 50 inches: sandy clay loam

Bkm - 50 to 60 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 40 to 60 inches to petrocalcic

Drainage class: Well drained

Runoff class: Very low

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

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Low (about 5.6 inches)

Interpretive groups

Land capability classification (irrigated): 6e

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: B

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Minor Components**Kermit**

Percent of map unit: 10 percent

Ecological site: R070BC022NM - Sandhills

Hydric soil rating: No

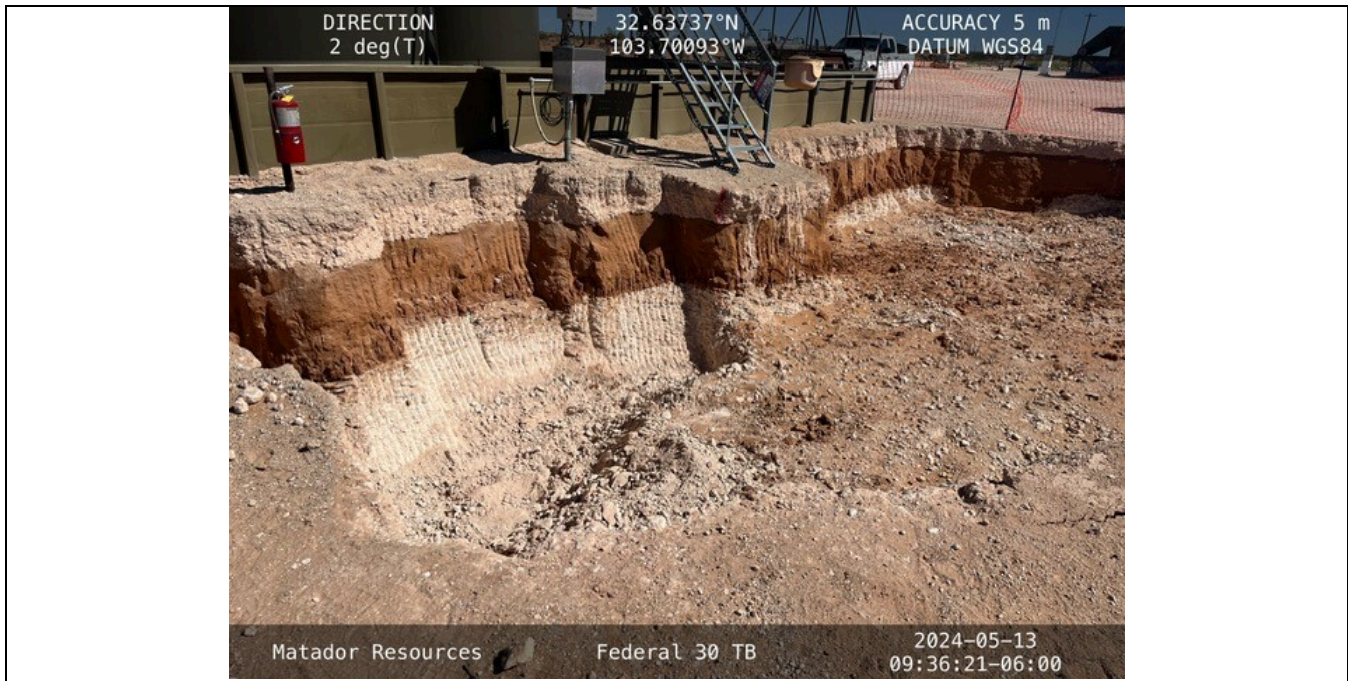


APPENDIX IV

Photographic Documentation



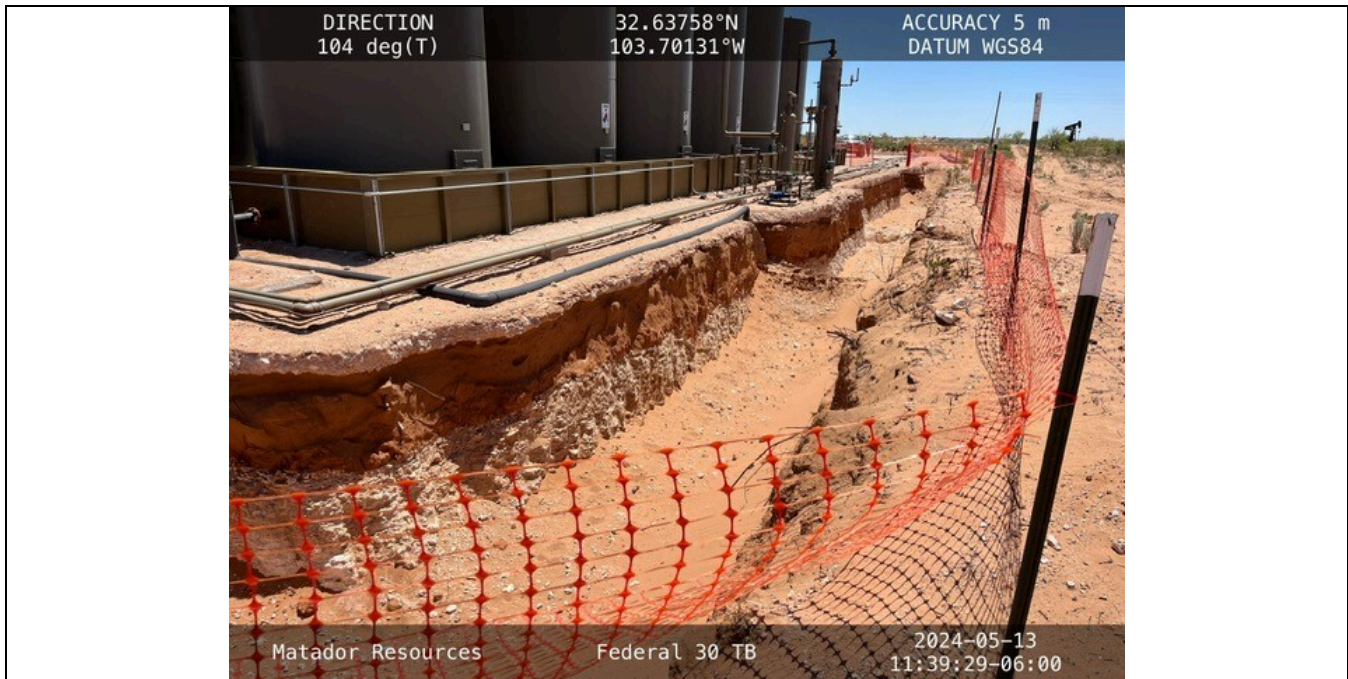
Photograph No. 1 Description:	View of excavation on southeast side of tank battery
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Photograph No. 2 Description:	View of excavation on southeast side of tank battery
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Photograph No. 3
Description: View of excavation on southwest side of tank battery



Photograph No. 4
Description: View of excavation on southwest side of tank battery



Photograph No. 5 Description:	View of excavation on northwest side of tank battery
--	--



Photograph No. 6 Description:	Backfilled area on southeast side of tank battery
--	---



Photograph No. 7
Description:

Backfilled area on southwest side of tank battery



Photograph No. 8
Description:

Backfilled area on southwest side of tank battery



Photograph No. 9
Description:

Backfilled area on northwest side of tank battery



APPENDIX V

Laboratory Analytical Data

Report to:
Matthew Gomez



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Federal 30

Work Order: E401156

Job Number: 23052-0001

Received: 1/25/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/30/24

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.
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Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.



Date Reported: 1/30/24

Matthew Gomez
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Federal 30
Workorder: E401156
Date Received: 1/25/2024 9:44:00AM

Matthew Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/25/2024 9:44:00AM, under the Project Name: Federal 30.

The analytical test results summarized in this report with the Project Name: Federal 30 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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Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
S-2 @ 0.5'R	6
S-3 @ 0.5'R	7
S-4 @ 0-1'	8
S-4 @ 3'	9
S-4 @ 4'	10
S-5 @ 0-1'	11
S-5 @ 3'	12
S-5 @ 4'	13
S-6 @ 0-1'R	14
S-7 @ 0.5'R	15
S-8 @ 0-1'	16
S-8 @ 3'R	17
S-9 @ 0-1'R	18
QC Summary Data	19
QC - Volatile Organics by EPA 8021B	19
QC - Nonhalogenated Organics by EPA 8015D - GRO	20
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	21
QC - Anions by EPA 300.0/9056A	22
Definitions and Notes	23
Chain of Custody etc.	24

Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23052-0001 Project Manager: Matthew Gomez	Reported: 01/30/24 11:41
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S-1 @ 0.5'R	E401156-01A	Soil	01/24/24	01/25/24	Glass Jar, 2 oz.
S-2 @ 0.5'R	E401156-02A	Soil	01/24/24	01/25/24	Glass Jar, 2 oz.
S-3 @ 0.5'R	E401156-03A	Soil	01/24/24	01/25/24	Glass Jar, 2 oz.
S-4 @ 0-1'	E401156-04A	Soil	01/24/24	01/25/24	Glass Jar, 2 oz.
S-4 @ 3'	E401156-05A	Soil	01/24/24	01/25/24	Glass Jar, 2 oz.
S-4 @ 4'	E401156-06A	Soil	01/24/24	01/25/24	Glass Jar, 2 oz.
S-5 @ 0-1'	E401156-07A	Soil	01/24/24	01/25/24	Glass Jar, 2 oz.
S-5 @ 3'	E401156-08A	Soil	01/24/24	01/25/24	Glass Jar, 2 oz.
S-5 @ 4'	E401156-09A	Soil	01/24/24	01/25/24	Glass Jar, 2 oz.
S-6 @ 0-1'R	E401156-10A	Soil	01/24/24	01/25/24	Glass Jar, 2 oz.
S-7 @ 0.5'R	E401156-11A	Soil	01/24/24	01/25/24	Glass Jar, 2 oz.
S-8 @ 0-1'	E401156-12A	Soil	01/24/24	01/25/24	Glass Jar, 2 oz.
S-8 @ 3'R	E401156-13A	Soil	01/24/24	01/25/24	Glass Jar, 2 oz.
S-9 @ 0-1'R	E401156-14A	Soil	01/24/24	01/25/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23052-0001 Project Manager: Matthew Gomez	Reported: 1/30/2024 11:41:31AM
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S-1 @ 0.5'R

E401156-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2404046
Benzene	ND	0.0250	1	01/25/24	01/25/24	
Ethylbenzene	ND	0.0250	1	01/25/24	01/25/24	
Toluene	ND	0.0250	1	01/25/24	01/25/24	
o-Xylene	ND	0.0250	1	01/25/24	01/25/24	
p,m-Xylene	ND	0.0500	1	01/25/24	01/25/24	
Total Xylenes	ND	0.0250	1	01/25/24	01/25/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.0 %	70-130	01/25/24	01/25/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2404046
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/25/24	01/25/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.2 %	70-130	01/25/24	01/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2404053
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/26/24	
<i>Surrogate: n-Nonane</i>		107 %	50-200	01/26/24	01/26/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2404051
Chloride	10200	200	10	01/25/24	01/25/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23052-0001 Project Manager: Matthew Gomez	Reported: 1/30/2024 11:41:31AM
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S-2 @ 0.5'R

E401156-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2404046
Benzene	ND	0.0250	1	01/25/24	01/25/24	
Ethylbenzene	ND	0.0250	1	01/25/24	01/25/24	
Toluene	ND	0.0250	1	01/25/24	01/25/24	
o-Xylene	ND	0.0250	1	01/25/24	01/25/24	
p,m-Xylene	ND	0.0500	1	01/25/24	01/25/24	
Total Xylenes	ND	0.0250	1	01/25/24	01/25/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.5 %	70-130	01/25/24	01/25/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2404046
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/25/24	01/25/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.7 %	70-130	01/25/24	01/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2404053
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/26/24	
<i>Surrogate: n-Nonane</i>						
		104 %	50-200	01/26/24	01/26/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2404051
Chloride	6400	100	5	01/25/24	01/25/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23052-0001 Project Manager: Matthew Gomez	Reported: 1/30/2024 11:41:31AM
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S-3 @ 0.5'R

E401156-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2404046
Benzene	ND	0.0250	1	01/25/24	01/25/24	
Ethylbenzene	ND	0.0250	1	01/25/24	01/25/24	
Toluene	ND	0.0250	1	01/25/24	01/25/24	
o-Xylene	ND	0.0250	1	01/25/24	01/25/24	
p,m-Xylene	ND	0.0500	1	01/25/24	01/25/24	
Total Xylenes	ND	0.0250	1	01/25/24	01/25/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.5 %	70-130	01/25/24	01/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2404046
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/25/24	01/25/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.8 %	70-130	01/25/24	01/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2404053
Diesel Range Organics (C10-C28)	230	25.0	1	01/26/24	01/26/24	
Oil Range Organics (C28-C36)	261	50.0	1	01/26/24	01/26/24	
<i>Surrogate: n-Nonane</i>		99.7 %	50-200	01/26/24	01/26/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2404051
Chloride	4550	40.0	2	01/25/24	01/25/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23052-0001 Project Manager: Matthew Gomez	Reported: 1/30/2024 11:41:31AM
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S-4 @ 0-1'

E401156-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2404046
Benzene	ND	0.0250	1	01/25/24	01/25/24	
Ethylbenzene	ND	0.0250	1	01/25/24	01/25/24	
Toluene	ND	0.0250	1	01/25/24	01/25/24	
o-Xylene	ND	0.0250	1	01/25/24	01/25/24	
p,m-Xylene	ND	0.0500	1	01/25/24	01/25/24	
Total Xylenes	ND	0.0250	1	01/25/24	01/25/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.6 %	70-130	01/25/24	01/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2404046
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/25/24	01/25/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.4 %	70-130	01/25/24	01/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2404053
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/26/24	
<i>Surrogate: n-Nonane</i>		99.8 %	50-200	01/26/24	01/26/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2404051
Chloride	15800	200	10	01/25/24	01/25/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23052-0001 Project Manager: Matthew Gomez	Reported: 1/30/2024 11:41:31AM
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S-4 @ 3'

E401156-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2404046
Benzene	ND	0.0250	1	01/25/24	01/25/24	
Ethylbenzene	ND	0.0250	1	01/25/24	01/25/24	
Toluene	ND	0.0250	1	01/25/24	01/25/24	
o-Xylene	ND	0.0250	1	01/25/24	01/25/24	
p,m-Xylene	ND	0.0500	1	01/25/24	01/25/24	
Total Xylenes	ND	0.0250	1	01/25/24	01/25/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.0 %	70-130	01/25/24	01/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2404046
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/25/24	01/25/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.7 %	70-130	01/25/24	01/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2404053
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/26/24	
<i>Surrogate: n-Nonane</i>		104 %	50-200	01/26/24	01/26/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2404051
Chloride	1050	40.0	2	01/25/24	01/25/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23052-0001 Project Manager: Matthew Gomez	Reported: 1/30/2024 11:41:31AM
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S-4 @ 4'
E401156-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2404046
Benzene	ND	0.0250	1	01/25/24	01/25/24	
Ethylbenzene	ND	0.0250	1	01/25/24	01/25/24	
Toluene	ND	0.0250	1	01/25/24	01/25/24	
o-Xylene	ND	0.0250	1	01/25/24	01/25/24	
p,m-Xylene	ND	0.0500	1	01/25/24	01/25/24	
Total Xylenes	ND	0.0250	1	01/25/24	01/25/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.4 %	70-130	01/25/24	01/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2404046
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/25/24	01/25/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.3 %	70-130	01/25/24	01/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2404053
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/26/24	
<i>Surrogate: n-Nonane</i>		106 %	50-200	01/26/24	01/26/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2404051
Chloride	351	20.0	1	01/25/24	01/25/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23052-0001 Project Manager: Matthew Gomez	Reported: 1/30/2024 11:41:31AM
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S-5 @ 0-1'

E401156-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2404046
Benzene	ND	0.0250	1	01/25/24	01/26/24	
Ethylbenzene	ND	0.0250	1	01/25/24	01/26/24	
Toluene	ND	0.0250	1	01/25/24	01/26/24	
o-Xylene	ND	0.0250	1	01/25/24	01/26/24	
p,m-Xylene	ND	0.0500	1	01/25/24	01/26/24	
Total Xylenes	ND	0.0250	1	01/25/24	01/26/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.4 %	70-130	01/25/24	01/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2404046
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/25/24	01/26/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.2 %	70-130	01/25/24	01/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2404053
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/26/24	
<i>Surrogate: n-Nonane</i>		102 %	50-200	01/26/24	01/26/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2404051
Chloride	4260	40.0	2	01/25/24	01/25/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23052-0001 Project Manager: Matthew Gomez	Reported: 1/30/2024 11:41:31AM
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S-5 @ 3'

E401156-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2404046
Benzene	ND	0.0250	1	01/25/24	01/26/24	
Ethylbenzene	ND	0.0250	1	01/25/24	01/26/24	
Toluene	ND	0.0250	1	01/25/24	01/26/24	
o-Xylene	ND	0.0250	1	01/25/24	01/26/24	
p,m-Xylene	ND	0.0500	1	01/25/24	01/26/24	
Total Xylenes	ND	0.0250	1	01/25/24	01/26/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.4 %	70-130	01/25/24	01/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2404046
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/25/24	01/26/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.9 %	70-130	01/25/24	01/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2404053
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/26/24	
<i>Surrogate: n-Nonane</i>		99.8 %	50-200	01/26/24	01/26/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2404051
Chloride	7190	100	5	01/25/24	01/25/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23052-0001 Project Manager: Matthew Gomez	Reported: 1/30/2024 11:41:31AM
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S-5 @ 4'

E401156-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2404046
Benzene	ND	0.0250	1	01/25/24	01/26/24	
Ethylbenzene	ND	0.0250	1	01/25/24	01/26/24	
Toluene	ND	0.0250	1	01/25/24	01/26/24	
o-Xylene	ND	0.0250	1	01/25/24	01/26/24	
p,m-Xylene	ND	0.0500	1	01/25/24	01/26/24	
Total Xylenes	ND	0.0250	1	01/25/24	01/26/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.7 %	70-130	01/25/24	01/26/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2404046
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/25/24	01/26/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.3 %	70-130	01/25/24	01/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2404053
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/26/24	
<i>Surrogate: n-Nonane</i>						
		108 %	50-200	01/26/24	01/26/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2404051
Chloride	2900	40.0	2	01/25/24	01/25/24	



Sample Data

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S-6 @ 0-1'R

E401156-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2404046
Benzene	ND	0.0250	1	01/25/24	01/26/24	
Ethylbenzene	ND	0.0250	1	01/25/24	01/26/24	
Toluene	ND	0.0250	1	01/25/24	01/26/24	
o-Xylene	ND	0.0250	1	01/25/24	01/26/24	
p,m-Xylene	ND	0.0500	1	01/25/24	01/26/24	
Total Xylenes	ND	0.0250	1	01/25/24	01/26/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.3 %	70-130	01/25/24	01/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2404046
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/25/24	01/26/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.8 %	70-130	01/25/24	01/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2404053
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/26/24	
<i>Surrogate: n-Nonane</i>		106 %	50-200	01/26/24	01/26/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2404051
Chloride	9460	200	10	01/25/24	01/25/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23052-0001 Project Manager: Matthew Gomez	Reported: 1/30/2024 11:41:31AM
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S-7 @ 0.5'R

E401156-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2404046
Benzene	ND	0.0250	1	01/25/24	01/26/24	
Ethylbenzene	ND	0.0250	1	01/25/24	01/26/24	
Toluene	ND	0.0250	1	01/25/24	01/26/24	
o-Xylene	ND	0.0250	1	01/25/24	01/26/24	
p,m-Xylene	ND	0.0500	1	01/25/24	01/26/24	
Total Xylenes	ND	0.0250	1	01/25/24	01/26/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.3 %	70-130	01/25/24	01/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2404046
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/25/24	01/26/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.4 %	70-130	01/25/24	01/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2404053
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/26/24	
<i>Surrogate: n-Nonane</i>		103 %	50-200	01/26/24	01/26/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2404051
Chloride	18300	400	20	01/25/24	01/25/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23052-0001 Project Manager: Matthew Gomez	Reported: 1/30/2024 11:41:31AM
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S-8 @ 0-1'

E401156-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2404046
Benzene	ND	0.0250	1	01/25/24	01/26/24	
Ethylbenzene	ND	0.0250	1	01/25/24	01/26/24	
Toluene	ND	0.0250	1	01/25/24	01/26/24	
o-Xylene	ND	0.0250	1	01/25/24	01/26/24	
p,m-Xylene	ND	0.0500	1	01/25/24	01/26/24	
Total Xylenes	ND	0.0250	1	01/25/24	01/26/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.3 %	70-130	01/25/24	01/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2404046
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/25/24	01/26/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.5 %	70-130	01/25/24	01/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2404053
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/26/24	
<i>Surrogate: n-Nonane</i>		108 %	50-200	01/26/24	01/26/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2404051
Chloride	7080	200	10	01/25/24	01/25/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23052-0001 Project Manager: Matthew Gomez	Reported: 1/30/2024 11:41:31AM
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S-8 @ 3'R

E401156-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2404046
Benzene	ND	0.0250	1	01/26/24	01/26/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/26/24	
Toluene	ND	0.0250	1	01/26/24	01/26/24	
o-Xylene	ND	0.0250	1	01/26/24	01/26/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/26/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/26/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.0 %	70-130	01/26/24	01/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2404046
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/26/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.1 %	70-130	01/26/24	01/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2404053
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
<i>Surrogate: n-Nonane</i>		106 %	50-200	01/26/24	01/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2404051
Chloride	10900	200	10	01/26/24	01/26/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23052-0001 Project Manager: Matthew Gomez	Reported: 1/30/2024 11:41:31AM
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S-9 @ 0-1'R

E401156-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2404046
Benzene	ND	0.0250	1	01/26/24	01/26/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/26/24	
Toluene	ND	0.0250	1	01/26/24	01/26/24	
o-Xylene	ND	0.0250	1	01/26/24	01/26/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/26/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/26/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.7 %	70-130	01/26/24	01/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2404046
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/26/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.6 %	70-130	01/26/24	01/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2404053
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
<i>Surrogate: n-Nonane</i>		107 %	50-200	01/26/24	01/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2404051
Chloride	4310	40.0	2	01/26/24	01/26/24	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23052-0001 Project Manager: Matthew Gomez	Reported: 1/30/2024 11:41:31AM
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Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2404046-BLK1)

Prepared: 01/25/24 Analyzed: 01/25/24

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	7.69		8.00		96.1	70-130			

LCS (2404046-BS1)

Prepared: 01/25/24 Analyzed: 01/25/24

Benzene	4.59	0.0250	5.00		91.9	70-130			
Ethylbenzene	4.53	0.0250	5.00		90.5	70-130			
Toluene	4.57	0.0250	5.00		91.4	70-130			
o-Xylene	4.53	0.0250	5.00		90.6	70-130			
p,m-Xylene	9.24	0.0500	10.0		92.4	70-130			
Total Xylenes	13.8	0.0250	15.0		91.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.74		8.00		96.7	70-130			

Matrix Spike (2404046-MS1)

Source: E401156-01

Prepared: 01/25/24 Analyzed: 01/25/24

Benzene	4.67	0.0250	5.00	ND	93.3	54-133			
Ethylbenzene	4.60	0.0250	5.00	ND	92.1	61-133			
Toluene	4.66	0.0250	5.00	ND	93.2	61-130			
o-Xylene	4.63	0.0250	5.00	ND	92.6	63-131			
p,m-Xylene	9.38	0.0500	10.0	ND	93.8	63-131			
Total Xylenes	14.0	0.0250	15.0	ND	93.4	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.63		8.00		95.3	70-130			

Matrix Spike Dup (2404046-MSD1)

Source: E401156-01

Prepared: 01/25/24 Analyzed: 01/26/24

Benzene	4.93	0.0250	5.00	ND	98.5	54-133	5.44	20	
Ethylbenzene	4.87	0.0250	5.00	ND	97.4	61-133	5.58	20	
Toluene	4.93	0.0250	5.00	ND	98.6	61-130	5.69	20	
o-Xylene	4.89	0.0250	5.00	ND	97.7	63-131	5.35	20	
p,m-Xylene	9.92	0.0500	10.0	ND	99.2	63-131	5.60	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.7	63-131	5.51	20	
Surrogate: 4-Bromochlorobenzene-PID	7.60		8.00		95.0	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23052-0001 Project Manager: Matthew Gomez	Reported: 1/30/2024 11:41:31AM
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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 (2404046-BLK1)

Prepared: 01/25/24 Analyzed: 01/25/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.1	70-130			

LCS (2404046-BS2)

Prepared: 01/25/24 Analyzed: 01/26/24

Gasoline Range Organics (C6-C10)	52.2	20.0	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		8.00		96.9	70-130			

Matrix Spike (2404046-MS2)

Source: E401156-01

Prepared: 01/25/24 Analyzed: 01/25/24

Gasoline Range Organics (C6-C10)	50.2	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.4	70-130			

Matrix Spike Dup (2404046-MSD2)

Source: E401156-01

Prepared: 01/25/24 Analyzed: 01/25/24

Gasoline Range Organics (C6-C10)	49.7	20.0	50.0	ND	99.3	70-130	1.11	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.3	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23052-0001 Project Manager: Matthew Gomez	Reported: 1/30/2024 11:41:31AM
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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 (2404053-BLK1)

Prepared: 01/26/24 Analyzed: 01/26/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.5		50.0		95.1	50-200			

LCS (2404053-BS1)

Prepared: 01/26/24 Analyzed: 01/26/24

Diesel Range Organics (C10-C28)	204	25.0	250		81.6	38-132			
Surrogate: n-Nonane	48.3		50.0		96.6	50-200			

Matrix Spike (2404053-MS1)

Source: E401158-03

Prepared: 01/26/24 Analyzed: 01/26/24

Diesel Range Organics (C10-C28)	214	25.0	250	ND	85.8	38-132			
Surrogate: n-Nonane	50.3		50.0		101	50-200			

Matrix Spike Dup (2404053-MSD1)

Source: E401158-03

Prepared: 01/26/24 Analyzed: 01/26/24

Diesel Range Organics (C10-C28)	235	25.0	250	ND	93.8	38-132	8.96	20	
Surrogate: n-Nonane	52.7		50.0		105	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23052-0001 Project Manager: Matthew Gomez	Reported: 1/30/2024 11:41:31AM
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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 (2404051-BLK1)

Prepared: 01/26/24 Analyzed: 01/26/24

Chloride ND 20.0

LCS (2404051-BS1)

Prepared: 01/26/24 Analyzed: 01/26/24

Chloride 252 20.0 250 101 90-110

Matrix Spike (2404051-MS1)

Source: E401156-06

Prepared: 01/26/24 Analyzed: 01/26/24

Chloride 636 20.0 250 351 114 80-120

Matrix Spike Dup (2404051-MSD1)

Source: E401156-06

Prepared: 01/26/24 Analyzed: 01/26/24

Chloride 613 20.0 250 351 105 80-120 3.71 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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23052-0001 Project Manager: Matthew Gomez	Reported: 01/30/24 11:41
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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.



Released by: Enbridge 7/1/2024 2:56:06 PM

Client: Matador Resources
 Project: Federal 30
 Project Manager: M. Gomez
 Address: 408 W. Texas Ave
 City, State, Zip: Artesia, NM, 88210
 Phone: 575-746-8768
 Email: mgomez@talonlpe.com
 Report due by: _____

Bill To
 Attention: Matador Resources - Clint Tally
 Address: _____
 City, State, Zip: _____
 Phone: _____
 Email: _____

Lab Use Only		TAT			EPA Program		
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
<u>E 401156</u>	<u>23052-0001</u>				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 NM	GDOC TX	Remarks
8:30	1/24/2024	Soil	1	S-1 @ 0.5'R	1	X	X			X			
8:35	1/24/2024	Soil	1	S-2 @ 0.5'R	2	X	X			X			
8:40	1/24/2024	Soil	1	S-3 @ 0.5'R	3	X	X			X			
8:45	1/24/2024	Soil	1	S-4 @ 0-1'	4	X	X			X			
8:48	1/24/2024	Soil	1	S-4 @ 3'	5	X	X			X			
8:50	1/24/2024	Soil	1	S-4 @ 4'	6	X	X			X			
8:55	1/24/2024	Soil	1	S-5 @ 0-1'	7	X	X			X			
8:57	1/24/2024	Soil	1	S-5 @ 3'	8	X	X			X			
8:59	1/24/2024	Soil	1	S-5 @ 4'	9	X	X			X			
9:05	1/24/2024	Soil	1	S-6 @ 0-1'R	10	X	X			X			

Additional Instructions:

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

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>Chas</u>	Date <u>1/24/24</u>	Time <u>4:07</u>	Received by: (Signature) <u>Michelle Coy</u>	Date <u>1-24-24</u>	Time <u>1607</u>
Relinquished by: (Signature) <u>Michelle Coy</u>	Date <u>1-24-24</u>	Time <u>1700</u>	Received by: (Signature) <u>Andrew</u>	Date <u>1-24-24</u>	Time <u>1715</u>
Relinquished by: (Signature) <u>Andrew</u>	Date <u>1-24-24</u>	Time <u>2300</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>1-25-24</u>	Time <u>09:44</u>

Lab Use Only
Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N
T1 _____ T2 _____ T3 _____
AVG Temp °C <u>4</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.



Received by: OCD: 7/1/2024 1:17:11 PM

Page 53 of 136

Released by: Imaging Services/2/24/24 2:56:06 PM

Client: Matador Resources
 Project: Federal 30
 Project Manager: M. Gomez
 Address: 408 W. Texas Ave
 City, State, Zip: Artesia, NM, 88210
 Phone: 575-746-8768
 Email: mgomez@talonlpe.com
 Report due by:

Bill To
 Attention: Matador Resources - Clint Tally
 Address:
 City, State, Zip
 Phone:
 Email:

Lab Use Only		TAT			EPA Program		
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E 401156	23052-0001				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 NM	GDOC TX	Remarks
9:10	1/24/2024	Soil	1	S-7 @ 0.5'R	11	X	X			X			
9:15	1/24/2024	Soil	1	S-8 @ 0-1'	12	X	X			X			
9:21	1/24/2024	Soil	1	S-8 @ 3'R	13	X	X			X			
9:27	1/24/2024	Soil	1	S-9 @ 0-1'R	14	X	X			X			

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. 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) <i>[Signature]</i>				Date	Time	Received by: (Signature) <i>[Signature]</i>		Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <i>[Signature]</i>				Date	Time	Received by: (Signature) <i>[Signature]</i>		Date	Time	
Relinquished by: (Signature) <i>[Signature]</i>				Date	Time	Received by: (Signature) <i>[Signature]</i>		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.



Received by: OCD: 7/1/2024 1:17:11 PM

Page 54 of 136

Envirotech Analytical Laboratory

Printed: 1/25/2024 12:18:44PM

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: 01/25/24 09:44	Work Order ID: E401156
Phone: (575) 746-8768	Date Logged In: 01/25/24 09:44	Logged In By: Angelina Pineda
Email: mgomez@talonpe.com	Due Date: 01/31/24 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: Courier

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? 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
Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling Yes
- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

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

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab 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: Federal 30

Work Order: E404225

Job Number: 23042-0001

Received: 4/22/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/29/24

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: 4/29/24

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

Project Name: Federal 30
Workorder: E404225
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: Federal 30.

The analytical test results summarized in this report with the Project Name: Federal 30 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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Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
S -1 @5'	6
S -2 @5'	7
S -3 @5'	8
S -4 @5'	9
S -5 @5'	10
S -6 @6'	11
S -7 @6'	12
S -8 @6'	13
S -9 @6'	14
S -10 @6'	15
S -11 @6'	16
S -12 @6'	17
S -13 @6'	18
S -14 @6'	19
S -15 @5'	20
S -16 @5'	21
S -17 @5'	22
S -18 @5'	23
S -19 @5'	24
SW -1	25

Table of Contents (continued)

SW -2	26
SW -3	27
SW -4	28
SW -5	29
SW -6	30
SW -7	31
SW -8	32
SW -9	33
SW -10	34
QC Summary Data	35
QC - Volatile Organics by EPA 8021B	35
QC - Nonhalogenated Organics by EPA 8015D - GRO	37
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	39
QC - Anions by EPA 300.0/9056A	41
Definitions and Notes	43
Chain of Custody etc.	44

Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 04/29/24 13:32
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S -1 @5'	E404225-01A	Soil	04/19/24	04/22/24	Glass Jar, 2 oz.
S -2 @5'	E404225-02A	Soil	04/19/24	04/22/24	Glass Jar, 2 oz.
S -3 @5'	E404225-03A	Soil	04/19/24	04/22/24	Glass Jar, 2 oz.
S -4 @5'	E404225-04A	Soil	04/19/24	04/22/24	Glass Jar, 2 oz.
S -5 @5'	E404225-05A	Soil	04/19/24	04/22/24	Glass Jar, 2 oz.
S -6 @6'	E404225-06A	Soil	04/19/24	04/22/24	Glass Jar, 2 oz.
S -7 @6'	E404225-07A	Soil	04/19/24	04/22/24	Glass Jar, 2 oz.
S -8 @6'	E404225-08A	Soil	04/19/24	04/22/24	Glass Jar, 2 oz.
S -9 @6'	E404225-09A	Soil	04/19/24	04/22/24	Glass Jar, 2 oz.
S -10 @6'	E404225-10A	Soil	04/19/24	04/22/24	Glass Jar, 2 oz.
S -11 @6'	E404225-11A	Soil	04/19/24	04/22/24	Glass Jar, 2 oz.
S -12 @6'	E404225-12A	Soil	04/19/24	04/22/24	Glass Jar, 2 oz.
S -13 @6'	E404225-13A	Soil	04/19/24	04/22/24	Glass Jar, 2 oz.
S -14 @6'	E404225-14A	Soil	04/19/24	04/22/24	Glass Jar, 2 oz.
S -15 @5'	E404225-15A	Soil	04/19/24	04/22/24	Glass Jar, 2 oz.
S -16 @5'	E404225-16A	Soil	04/19/24	04/22/24	Glass Jar, 2 oz.
S -17 @5'	E404225-17A	Soil	04/19/24	04/22/24	Glass Jar, 2 oz.
S -18 @5'	E404225-18A	Soil	04/19/24	04/22/24	Glass Jar, 2 oz.
S -19 @5'	E404225-19A	Soil	04/19/24	04/22/24	Glass Jar, 2 oz.
SW -1	E404225-20A	Soil	04/19/24	04/22/24	Glass Jar, 2 oz.
SW -2	E404225-21A	Soil	04/19/24	04/22/24	Glass Jar, 2 oz.
SW -3	E404225-22A	Soil	04/19/24	04/22/24	Glass Jar, 2 oz.
SW -4	E404225-23A	Soil	04/19/24	04/22/24	Glass Jar, 2 oz.
SW -5	E404225-24A	Soil	04/19/24	04/22/24	Glass Jar, 2 oz.
SW -6	E404225-25A	Soil	04/19/24	04/22/24	Glass Jar, 2 oz.
SW -7	E404225-26A	Soil	04/19/24	04/22/24	Glass Jar, 2 oz.
SW -8	E404225-27A	Soil	04/19/24	04/22/24	Glass Jar, 2 oz.
SW -9	E404225-28A	Soil	04/19/24	04/22/24	Glass Jar, 2 oz.
SW -10	E404225-29A	Soil	04/19/24	04/22/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/29/2024 1:32:37PM
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S -1 @5'
E404225-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Benzene	ND	0.0250	1	04/23/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/23/24	04/24/24	
Toluene	ND	0.0250	1	04/23/24	04/24/24	
o-Xylene	ND	0.0250	1	04/23/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/23/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/23/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.8 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.8 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2417032
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/24	04/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/24	04/23/24	
<i>Surrogate: n-Nonane</i>		111 %	50-200	04/23/24	04/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2417033
Chloride	137	20.0	1	04/23/24	04/23/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/29/2024 1:32:37PM
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S -2 @5'

E404225-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Benzene	ND	0.0250	1	04/23/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/23/24	04/24/24	
Toluene	ND	0.0250	1	04/23/24	04/24/24	
o-Xylene	ND	0.0250	1	04/23/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/23/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/23/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.6 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.8 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2417032
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/24	04/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/24	04/23/24	
<i>Surrogate: n-Nonane</i>		113 %	50-200	04/23/24	04/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2417033
Chloride	79.4	20.0	1	04/23/24	04/23/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/29/2024 1:32:37PM
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S -3 @5'

E404225-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Benzene	ND	0.0250	1	04/23/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/23/24	04/24/24	
Toluene	ND	0.0250	1	04/23/24	04/24/24	
o-Xylene	ND	0.0250	1	04/23/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/23/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/23/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		95.1 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.2 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2417032
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/24	04/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/24	04/23/24	
<i>Surrogate: n-Nonane</i>						
		113 %	50-200	04/23/24	04/23/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2417033
Chloride	122	20.0	1	04/23/24	04/23/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/29/2024 1:32:37PM
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S -4 @5'

E404225-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Benzene	ND	0.0250	1	04/23/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/23/24	04/24/24	
Toluene	ND	0.0250	1	04/23/24	04/24/24	
o-Xylene	ND	0.0250	1	04/23/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/23/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/23/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.1 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.0 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2417032
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/24	04/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/24	04/23/24	
<i>Surrogate: n-Nonane</i>		110 %	50-200	04/23/24	04/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2417033
Chloride	630	20.0	1	04/23/24	04/23/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/29/2024 1:32:37PM
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S -5 @5'

E404225-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Benzene	ND	0.0250	1	04/23/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/23/24	04/24/24	
Toluene	ND	0.0250	1	04/23/24	04/24/24	
o-Xylene	ND	0.0250	1	04/23/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/23/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/23/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.8 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.9 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2417032
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/24	04/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/24	04/23/24	
<i>Surrogate: n-Nonane</i>		105 %	50-200	04/23/24	04/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2417033
Chloride	310	20.0	1	04/23/24	04/23/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/29/2024 1:32:37PM
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S -6 @6'

E404225-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Benzene	ND	0.0250	1	04/23/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/23/24	04/24/24	
Toluene	ND	0.0250	1	04/23/24	04/24/24	
o-Xylene	ND	0.0250	1	04/23/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/23/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/23/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.0 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.8 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2417032
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/24	04/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/24	04/23/24	
<i>Surrogate: n-Nonane</i>		107 %	50-200	04/23/24	04/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2417033
Chloride	64.7	20.0	1	04/23/24	04/23/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/29/2024 1:32:37PM
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S -7 @6'

E404225-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Benzene	ND	0.0250	1	04/23/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/23/24	04/24/24	
Toluene	ND	0.0250	1	04/23/24	04/24/24	
o-Xylene	ND	0.0250	1	04/23/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/23/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/23/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.2 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.1 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2417032
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/24	04/24/24	
<i>Surrogate: n-Nonane</i>		107 %	50-200	04/23/24	04/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2417033
Chloride	117	20.0	1	04/23/24	04/23/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/29/2024 1:32:37PM
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S -8 @6'

E404225-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Benzene	ND	0.0250	1	04/23/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/23/24	04/24/24	
Toluene	ND	0.0250	1	04/23/24	04/24/24	
o-Xylene	ND	0.0250	1	04/23/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/23/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/23/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.0 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.3 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2417032
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/24	04/24/24	
<i>Surrogate: n-Nonane</i>		106 %	50-200	04/23/24	04/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2417033
Chloride	89.8	20.0	1	04/23/24	04/23/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/29/2024 1:32:37PM
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S -9 @6'

E404225-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Benzene	ND	0.0250	1	04/23/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/23/24	04/24/24	
Toluene	ND	0.0250	1	04/23/24	04/24/24	
o-Xylene	ND	0.0250	1	04/23/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/23/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/23/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.9 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.6 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2417032
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/24	04/24/24	
<i>Surrogate: n-Nonane</i>		109 %	50-200	04/23/24	04/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2417033
Chloride	1230	20.0	1	04/23/24	04/24/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/29/2024 1:32:37PM
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S -10 @6'

E404225-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Benzene	ND	0.0250	1	04/23/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/23/24	04/24/24	
Toluene	ND	0.0250	1	04/23/24	04/24/24	
o-Xylene	ND	0.0250	1	04/23/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/23/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/23/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.9 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.2 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2417032
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/24	04/24/24	
<i>Surrogate: n-Nonane</i>		105 %	50-200	04/23/24	04/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2417033
Chloride	57.1	20.0	1	04/23/24	04/24/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/29/2024 1:32:37PM
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S -11 @6'

E404225-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Benzene	ND	0.0250	1	04/23/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/23/24	04/24/24	
Toluene	ND	0.0250	1	04/23/24	04/24/24	
o-Xylene	ND	0.0250	1	04/23/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/23/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/23/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.6 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.0 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2417032
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/24	04/24/24	
<i>Surrogate: n-Nonane</i>		103 %	50-200	04/23/24	04/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2417033
Chloride	85.5	20.0	1	04/23/24	04/24/24	



Sample Data

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S -12 @6'

E404225-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Benzene	ND	0.0250	1	04/23/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/23/24	04/24/24	
Toluene	ND	0.0250	1	04/23/24	04/24/24	
o-Xylene	ND	0.0250	1	04/23/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/23/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/23/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.0 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.8 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2417032
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/24	04/24/24	
<i>Surrogate: n-Nonane</i>						
		104 %	50-200	04/23/24	04/24/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2417033
Chloride	73.2	20.0	1	04/23/24	04/24/24	



Sample Data

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S -13 @6'

E404225-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Benzene	ND	0.0250	1	04/23/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/23/24	04/24/24	
Toluene	ND	0.0250	1	04/23/24	04/24/24	
o-Xylene	ND	0.0250	1	04/23/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/23/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/23/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		95.4 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.3 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2417032
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/24	04/24/24	
<i>Surrogate: n-Nonane</i>						
		110 %	50-200	04/23/24	04/24/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2417033
Chloride	137	20.0	1	04/23/24	04/24/24	



Sample Data

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S -14 @6'

E404225-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Benzene	ND	0.0250	1	04/23/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/23/24	04/24/24	
Toluene	ND	0.0250	1	04/23/24	04/24/24	
o-Xylene	ND	0.0250	1	04/23/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/23/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/23/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.8 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.4 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2417032
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/24	04/24/24	
<i>Surrogate: n-Nonane</i>		105 %	50-200	04/23/24	04/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2417033
Chloride	303	20.0	1	04/23/24	04/24/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/29/2024 1:32:37PM
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S -15 @5'

E404225-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Benzene	ND	0.0250	1	04/23/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/23/24	04/24/24	
Toluene	ND	0.0250	1	04/23/24	04/24/24	
o-Xylene	ND	0.0250	1	04/23/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/23/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/23/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.0 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.2 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2417032
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/24	04/24/24	
<i>Surrogate: n-Nonane</i>		103 %	50-200	04/23/24	04/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2417033
Chloride	68.8	20.0	1	04/23/24	04/24/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/29/2024 1:32:37PM
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S -16 @5'

E404225-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Benzene	ND	0.0250	1	04/23/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/23/24	04/24/24	
Toluene	ND	0.0250	1	04/23/24	04/24/24	
o-Xylene	ND	0.0250	1	04/23/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/23/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/23/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.3 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		83.7 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2417032
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/24	04/24/24	
<i>Surrogate: n-Nonane</i>		105 %	50-200	04/23/24	04/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2417033
Chloride	78.8	20.0	1	04/23/24	04/24/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/29/2024 1:32:37PM
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S -17 @5'

E404225-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Benzene	ND	0.0250	1	04/23/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/23/24	04/24/24	
Toluene	ND	0.0250	1	04/23/24	04/24/24	
o-Xylene	ND	0.0250	1	04/23/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/23/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/23/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.2 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.1 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2417032
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/24	04/24/24	
<i>Surrogate: n-Nonane</i>		110 %	50-200	04/23/24	04/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2417033
Chloride	77.2	20.0	1	04/23/24	04/24/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/29/2024 1:32:37PM
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S -18 @5'

E404225-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Benzene	ND	0.0250	1	04/23/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/23/24	04/24/24	
Toluene	ND	0.0250	1	04/23/24	04/24/24	
o-Xylene	ND	0.0250	1	04/23/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/23/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/23/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.4 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.0 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2417032
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/24	04/24/24	
<i>Surrogate: n-Nonane</i>		111 %	50-200	04/23/24	04/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2417033
Chloride	ND	20.0	1	04/23/24	04/24/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/29/2024 1:32:37PM
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S -19 @5'

E404225-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Benzene	ND	0.0250	1	04/23/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/23/24	04/24/24	
Toluene	ND	0.0250	1	04/23/24	04/24/24	
o-Xylene	ND	0.0250	1	04/23/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/23/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/23/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.6 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.8 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2417032
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/24	04/24/24	
<i>Surrogate: n-Nonane</i>		111 %	50-200	04/23/24	04/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2417033
Chloride	31.9	20.0	1	04/23/24	04/24/24	



Sample Data

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SW -1

E404225-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Benzene	ND	0.0250	1	04/23/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/23/24	04/24/24	
Toluene	ND	0.0250	1	04/23/24	04/24/24	
o-Xylene	ND	0.0250	1	04/23/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/23/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/23/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.9 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2417025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.7 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2417032
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/24	04/24/24	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	04/23/24	04/24/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2417033
Chloride	ND	20.0	1	04/23/24	04/24/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/29/2024 1:32:37PM
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SW -2

E404225-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2417024
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>		93.5 %	70-130	04/22/24	04/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2417024
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/24	04/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		79.2 %	70-130	04/22/24	04/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2417039
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/24	04/24/24	
<i>Surrogate: n-Nonane</i>		91.7 %	50-200	04/23/24	04/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2417030
Chloride	263	20.0	1	04/23/24	04/23/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/29/2024 1:32:37PM
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SW -3

E404225-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2417024
Benzene	ND	0.0250	1	04/22/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/22/24	04/24/24	
Toluene	ND	0.0250	1	04/22/24	04/24/24	
o-Xylene	ND	0.0250	1	04/22/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/22/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/22/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.9 %	70-130	04/22/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2417024
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.6 %	70-130	04/22/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2417039
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/24	04/24/24	
<i>Surrogate: n-Nonane</i>		91.6 %	50-200	04/23/24	04/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2417030
Chloride	592	20.0	1	04/23/24	04/23/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/29/2024 1:32:37PM
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SW -4

E404225-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2417024
Benzene	ND	0.0250	1	04/22/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/22/24	04/24/24	
Toluene	ND	0.0250	1	04/22/24	04/24/24	
o-Xylene	ND	0.0250	1	04/22/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/22/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/22/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.3 %	70-130	04/22/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2417024
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.0 %	70-130	04/22/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2417039
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/24	04/24/24	
<i>Surrogate: n-Nonane</i>						
		94.0 %	50-200	04/23/24	04/24/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2417030
Chloride	122	20.0	1	04/23/24	04/23/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/29/2024 1:32:37PM
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SW -5

E404225-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2417024
Benzene	ND	0.0250	1	04/22/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/22/24	04/24/24	
Toluene	ND	0.0250	1	04/22/24	04/24/24	
o-Xylene	ND	0.0250	1	04/22/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/22/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/22/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.8 %	70-130	04/22/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2417024
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.4 %	70-130	04/22/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2417039
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/24	04/24/24	
<i>Surrogate: n-Nonane</i>		92.1 %	50-200	04/23/24	04/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2417030
Chloride	46.5	20.0	1	04/23/24	04/23/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/29/2024 1:32:37PM
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SW -6

E404225-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2417024
Benzene	ND	0.0250	1	04/22/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/22/24	04/24/24	
Toluene	ND	0.0250	1	04/22/24	04/24/24	
o-Xylene	ND	0.0250	1	04/22/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/22/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/22/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.9 %	70-130	04/22/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2417024
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.2 %	70-130	04/22/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2417039
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/24	04/24/24	
<i>Surrogate: n-Nonane</i>		93.1 %	50-200	04/23/24	04/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2417030
Chloride	ND	20.0	1	04/23/24	04/23/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/29/2024 1:32:37PM
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SW -7

E404225-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2417024
Benzene	ND	0.0250	1	04/22/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/22/24	04/24/24	
Toluene	ND	0.0250	1	04/22/24	04/24/24	
o-Xylene	ND	0.0250	1	04/22/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/22/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/22/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.8 %	70-130	04/22/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2417024
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.8 %	70-130	04/22/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2417039
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/24	04/24/24	
<i>Surrogate: n-Nonane</i>		91.6 %	50-200	04/23/24	04/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2417030
Chloride	ND	20.0	1	04/23/24	04/23/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/29/2024 1:32:37PM
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SW -8

E404225-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2417024
Benzene	ND	0.0250	1	04/22/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/22/24	04/24/24	
Toluene	ND	0.0250	1	04/22/24	04/24/24	
o-Xylene	ND	0.0250	1	04/22/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/22/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/22/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.7 %	70-130	04/22/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2417024
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.9 %	70-130	04/22/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2417039
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/24	04/24/24	
<i>Surrogate: n-Nonane</i>		93.3 %	50-200	04/23/24	04/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2417030
Chloride	338	20.0	1	04/23/24	04/23/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/29/2024 1:32:37PM
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SW -9

E404225-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2417024
Benzene	ND	0.0250	1	04/22/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/22/24	04/24/24	
Toluene	ND	0.0250	1	04/22/24	04/24/24	
o-Xylene	ND	0.0250	1	04/22/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/22/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/22/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.5 %	70-130	04/22/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2417024
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.1 %	70-130	04/22/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2417039
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/24	04/24/24	
<i>Surrogate: n-Nonane</i>						
		92.2 %	50-200	04/23/24	04/24/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2417030
Chloride	ND	20.0	1	04/23/24	04/23/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/29/2024 1:32:37PM
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SW -10

E404225-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2417024
Benzene	ND	0.0250	1	04/22/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/22/24	04/24/24	
Toluene	ND	0.0250	1	04/22/24	04/24/24	
o-Xylene	ND	0.0250	1	04/22/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/22/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/22/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.6 %	70-130	04/22/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2417024
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.4 %	70-130	04/22/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2417039
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/24	04/24/24	
<i>Surrogate: n-Nonane</i>						
		94.3 %	50-200	04/23/24	04/24/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2417030
Chloride	ND	20.0	1	04/23/24	04/23/24	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/29/2024 1:32:37PM
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Volatile Organics by EPA 8021B

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 (2417024-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	7.46		8.00		93.2		70-130		

LCS (2417024-BS1)

Prepared: 04/22/24 Analyzed: 04/23/24

Benzene	4.57	0.0250	5.00		91.3		70-130		
Ethylbenzene	4.44	0.0250	5.00		88.8		70-130		
Toluene	4.56	0.0250	5.00		91.1		70-130		
o-Xylene	4.49	0.0250	5.00		89.8		70-130		
p,m-Xylene	9.09	0.0500	10.0		90.9		70-130		
Total Xylenes	13.6	0.0250	15.0		90.5		70-130		
Surrogate: 4-Bromochlorobenzene-PID	7.50		8.00		93.8		70-130		

Matrix Spike (2417024-MS1)

Source: E404224-08

Prepared: 04/22/24 Analyzed: 04/23/24

Benzene	5.58	0.0250	5.00	ND	112		54-133		
Ethylbenzene	5.40	0.0250	5.00	ND	108		61-133		
Toluene	5.61	0.0250	5.00	0.0899	110		61-130		
o-Xylene	5.47	0.0250	5.00	ND	109		63-131		
p,m-Xylene	11.0	0.0500	10.0	ND	110		63-131		
Total Xylenes	16.5	0.0250	15.0	ND	110		63-131		
Surrogate: 4-Bromochlorobenzene-PID	7.41		8.00		92.7		70-130		

Matrix Spike Dup (2417024-MSD1)

Source: E404224-08

Prepared: 04/22/24 Analyzed: 04/23/24

Benzene	5.49	0.0250	5.00	ND	110		54-133	1.69	20
Ethylbenzene	5.31	0.0250	5.00	ND	106		61-133	1.57	20
Toluene	5.52	0.0250	5.00	0.0899	109		61-130	1.73	20
o-Xylene	5.38	0.0250	5.00	ND	108		63-131	1.67	20
p,m-Xylene	10.8	0.0500	10.0	ND	108		63-131	1.39	20
Total Xylenes	16.2	0.0250	15.0	ND	108		63-131	1.48	20
Surrogate: 4-Bromochlorobenzene-PID	7.34		8.00		91.8		70-130		



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/29/2024 1:32:37PM
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Volatile Organics by EPA 8021B

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 (2417025-BLK1)

Prepared: 04/23/24 Analyzed: 04/26/24

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	7.26		8.00		90.7	70-130			

LCS (2417025-BS1)

Prepared: 04/23/24 Analyzed: 04/26/24

Benzene	5.03	0.0250	5.00		101	70-130			
Ethylbenzene	4.90	0.0250	5.00		98.1	70-130			
Toluene	5.02	0.0250	5.00		100	70-130			
o-Xylene	4.97	0.0250	5.00		99.3	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	15.0	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.31		8.00		91.4	70-130			

Matrix Spike (2417025-MS1)

Source: E404225-04

Prepared: 04/23/24 Analyzed: 04/26/24

Benzene	4.92	0.0250	5.00	ND	98.4	54-133			
Ethylbenzene	4.81	0.0250	5.00	ND	96.3	61-133			
Toluene	4.92	0.0250	5.00	ND	98.4	61-130			
o-Xylene	4.86	0.0250	5.00	ND	97.3	63-131			
p,m-Xylene	9.84	0.0500	10.0	ND	98.4	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	98.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.46		8.00		93.3	70-130			

Matrix Spike Dup (2417025-MSD1)

Source: E404225-04

Prepared: 04/23/24 Analyzed: 04/26/24

Benzene	5.12	0.0250	5.00	ND	102	54-133	3.96	20	
Ethylbenzene	4.98	0.0250	5.00	ND	99.7	61-133	3.47	20	
Toluene	5.12	0.0250	5.00	ND	102	61-130	3.88	20	
o-Xylene	5.05	0.0250	5.00	ND	101	63-131	3.69	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	3.60	20	
Total Xylenes	15.2	0.0250	15.0	ND	102	63-131	3.63	20	
Surrogate: 4-Bromochlorobenzene-PID	7.38		8.00		92.2	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/29/2024 1:32:37PM
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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 (2417024-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		90.3	70-130			

LCS (2417024-BS2)

Prepared: 04/22/24 Analyzed: 04/23/24

Gasoline Range Organics (C6-C10)	41.0	20.0	50.0		82.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.32		8.00		91.4	70-130			

Matrix Spike (2417024-MS2)

Source: E404224-08

Prepared: 04/22/24 Analyzed: 04/23/24

Gasoline Range Organics (C6-C10)	43.1	20.0	50.0	ND	86.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.10		8.00		88.8	70-130			

Matrix Spike Dup (2417024-MSD2)

Source: E404224-08

Prepared: 04/22/24 Analyzed: 04/23/24

Gasoline Range Organics (C6-C10)	40.7	20.0	50.0	ND	81.3	70-130	5.85	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.02		8.00		87.8	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/29/2024 1:32:37PM
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Nonhalogenated Organics by EPA 8015D - GRO

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 (2417025-BLK1)

Prepared: 04/23/24 Analyzed: 04/26/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.52		8.00		81.4	70-130			

LCS (2417025-BS2)

Prepared: 04/23/24 Analyzed: 04/26/24

Gasoline Range Organics (C6-C10)	40.9	20.0	50.0		81.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.56		8.00		82.0	70-130			

Matrix Spike (2417025-MS2)

Source: E404225-04

Prepared: 04/23/24 Analyzed: 04/26/24

Gasoline Range Organics (C6-C10)	39.7	20.0	50.0	ND	79.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.53		8.00		81.6	70-130			

Matrix Spike Dup (2417025-MSD2)

Source: E404225-04

Prepared: 04/23/24 Analyzed: 04/26/24

Gasoline Range Organics (C6-C10)	41.2	20.0	50.0	ND	82.4	70-130	3.73	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.54		8.00		81.8	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/29/2024 1:32:37PM
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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 (2417032-BLK1)

Prepared: 04/23/24 Analyzed: 04/23/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	57.0		50.0		114	50-200			

LCS (2417032-BS1)

Prepared: 04/23/24 Analyzed: 04/23/24

Diesel Range Organics (C10-C28)	305	25.0	250		122	38-132			
Surrogate: <i>n</i> -Nonane	56.9		50.0		114	50-200			

Matrix Spike (2417032-MS1)

Source: E404225-03

Prepared: 04/23/24 Analyzed: 04/23/24

Diesel Range Organics (C10-C28)	329	25.0	250	ND	131	38-132			
Surrogate: <i>n</i> -Nonane	60.4		50.0		121	50-200			

Matrix Spike Dup (2417032-MSD1)

Source: E404225-03

Prepared: 04/23/24 Analyzed: 04/23/24

Diesel Range Organics (C10-C28)	330	25.0	250	ND	132	38-132	0.242	20	
Surrogate: <i>n</i> -Nonane	62.0		50.0		124	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/29/2024 1:32:37PM
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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 (2417039-BLK1)

Prepared: 04/23/24 Analyzed: 04/24/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	46.6		50.0		93.3	50-200			

LCS (2417039-BS1)

Prepared: 04/23/24 Analyzed: 04/24/24

Diesel Range Organics (C10-C28)	239	25.0	250		95.7	38-132			
Surrogate: <i>n</i> -Nonane	46.2		50.0		92.4	50-200			

Matrix Spike (2417039-MS1)

Source: E404225-23

Prepared: 04/23/24 Analyzed: 04/24/24

Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.5	38-132			
Surrogate: <i>n</i> -Nonane	46.5		50.0		93.1	50-200			

Matrix Spike Dup (2417039-MSD1)

Source: E404225-23

Prepared: 04/23/24 Analyzed: 04/24/24

Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.4	38-132	3.15	20	
Surrogate: <i>n</i> -Nonane	45.5		50.0		90.9	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/29/2024 1:32:37PM
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Anions by EPA 300.0/9056A

Analyst: IY

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 (2417030-BLK1)

Prepared: 04/23/24 Analyzed: 04/23/24

Chloride ND 20.0

LCS (2417030-BS1)

Prepared: 04/23/24 Analyzed: 04/23/24

Chloride 251 20.0 250 101 90-110

Matrix Spike (2417030-MS1)

Source: E404225-23

Prepared: 04/23/24 Analyzed: 04/23/24

Chloride 385 20.0 250 122 105 80-120

Matrix Spike Dup (2417030-MSD1)

Source: E404225-23

Prepared: 04/23/24 Analyzed: 04/23/24

Chloride 394 20.0 250 122 109 80-120 2.42 20



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 4/29/2024 1:32:37PM
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Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2417033-BLK1)

Prepared: 04/23/24 Analyzed: 04/23/24

Chloride	ND	20.0							
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LCS (2417033-BS1)

Prepared: 04/23/24 Analyzed: 04/23/24

Chloride	255	20.0	250		102	90-110			
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Matrix Spike (2417033-MS1)

Source: E404225-02

Prepared: 04/23/24 Analyzed: 04/23/24

Chloride	333	20.0	250	79.4	101	80-120			
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Matrix Spike Dup (2417033-MSD1)

Source: E404225-02

Prepared: 04/23/24 Analyzed: 04/23/24

Chloride	335	20.0	250	79.4	102	80-120	0.538	20	
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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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Federal 30 Project Number: 23042-0001 Project Manager: Chad Hensley	Reported: 04/29/24 13:32
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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

Client Information				Invoice Information				Lab Use Only				TAT				State													
Client: <u>Matador</u>				Company: <u>Talona LLC</u>				Lab WO# <u>E 404225</u>		Job Number <u>23042-0001</u>		1D		2D		3D		Std		NM <input checked="" type="checkbox"/>		CO		UT		TX			
Project Name: <u>Federal 30</u>				Address:																									
Project Manager: <u>C. Hensley</u>				City, State, Zip:																									
Address: <u>408 W. Texas</u>				Phone:																									
City, State, Zip: <u>Artesia, NM, 88210</u>				Email:																									
Phone: <u>2 Ploggsat@TalonaLLC.com</u>				Miscellaneous:																									
Email: <u>575-746-8768</u>																													
Sample Information																													
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	EPA Program			Remarks											
1625	4-19-24	Soil	1	5-1 @ 5'		1	X	X	X	X					SDWA	CWA	RCRA	Compliance	Y	or	N								
1627				5-2 @ 5'		2																							
1629				5-3 @ 5'		3																							
1631				5-4 @ 5'		4																							
1634				5-5 @ 5'		5																							
1635				5-6 @ 6'		6																							
1638				5-7 @		7																							
1640				5-8 @		8																							
1642				5-9 @		9																							
1643				5-10 @		10																							
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: _____																													
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		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: <input checked="" type="radio"/> Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>																	
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time																			
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 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.																													

Released to Imaging: 7/12/2024 2:56:06 PM

Received by OCD: 7/1/2024 1:17:11 PM

Page 99 of 136



Released to Imaging: 7/12/2024 2:56:06 PM

Received by OCD: 7/1/2024 1:17:11 PM

Client: <u>Matador</u>		Bill To		Lab Use Only				TAT				EPA Program											
Project: <u>Federal 30</u>		Attention: <u>Talon LPE</u>		Lab WO# <u>E404225</u>		Job Number <u>23042-0001</u>		1D	2D	3D	Standard	CWA	SDWA										
Project Manager: <u>Chad Hensley</u>		Address:		Analysis and Method																			
Address: <u>408 W Texas</u>		City, State, Zip																					
City, State, Zip: <u>Artesia, NM, 88210</u>		Phone:																					
Phone: <u>575-746-8768</u>		Email:																					
Email: <u>R7rogger@TalonLPE.com</u>		Report due by: <u>Riley Rogger</u>		State																			
				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>NM</td> <td>CO</td> <td>UT</td> <td>AZ</td> <td>TX</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>										NM	CO	UT	AZ	TX	<input checked="" type="checkbox"/>				
NM	CO	UT	AZ	TX																			
<input checked="" type="checkbox"/>																							
RCRA																							

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005-TX	Remarks
10:44	4.19.24	Soil	1	S-11 @ 6'	11	X	X	X			X			
10:45				S-12 @ 6'	12									
10:47				S-13 @ 6'	13									
10:48				S-14 @ 6'	14									
10:51				S-15 @ 5'	15									
10:52				S-16 @ 5'	16									
10:53				S-17 @ 5'	17									
10:55				S-18 @ 5'	18									
10:57				S-19 @ 5'	19									
10:59				SW-1 ^{RP}	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.

Relinquished by: (Signature) <u>R. J. [Signature]</u>				Date	Time	Received by: (Signature) <u>[Signature]</u>		Date	Time	Lab Use Only			
Relinquished by: (Signature) <u>[Signature]</u>				Date	Time	Received by: (Signature) <u>[Signature]</u>		Date	Time	Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N			
Relinquished by: (Signature)				Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____			
Relinquished by: (Signature)				Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</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.



Page 10 of 136

Client: <u>Matador</u>		Bill To		Lab Use Only				TAT				EPA Program					
Project: <u>Federal 30</u>		Attention: <u>Talon IPE</u>		Lab WO# <u>E404225</u>		Job Number <u>23042-0001</u>		1D	2D	3D	Standard	CWA	SDWA				
Project Manager: <u>Chad Hensley</u>		Address:		Address:		Address:				X							
Address: <u>408 W Texas</u>		City, State, Zip		City, State, Zip		City, State, Zip							RCRA				
City, State, Zip: <u>Artesia, NM, 88210</u>		Phone:		Phone:		Phone:						State					
Phone: <u>575-746-8768</u>		Email:		Email:		Email:						NM	CO	UT	AZ	TX	
Email: <u>R7rogger@TalonIPE.com</u>		Report due by: <u>Riley Rogger</u>														Remarks	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005-TX	1D	2D	3D	Standard	Remarks	
11:02	4.19.24	soil	1	SW-2	21	X	X	X			X								
11:04				SW-3	22														
11:06				SW-4	23														
11:07				SW-5	24														
11:10				SW-6	25														
11:12				SW-7	26														
11:13				SW-8	27														
11:14				SW-9	28														
11:15				SW-10	29														

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>R.S.</u>	Date 4.19.24	Time 6:00	Received by: (Signature) <u>A.M.</u>	Date 4.19.24	Time 1800	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>A.M.</u>	Date 4.19.24	Time 2400	Received by: (Signature) <u>A.S.</u>	Date 4/22/24	Time 830	
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.



Envirotech Analytical Laboratory

Printed: 4/22/2024 12:48:25PM

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: E404225
Phone: (972) 371-5200	Date Logged In: 04/22/24 09:42	Logged In By: Angelina Pineda
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

Carrier: Courier

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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



Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/21/2024 2:48:51 PM

JOB DESCRIPTION

Matador Federal 30 TB
 Lea County, NM

JOB NUMBER

880-43598-1

Eurofins Midland
 1211 W. Florida Ave
 Midland TX 79701



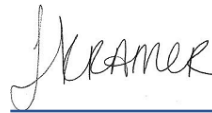
Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization



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Authorized for release by
Jessica Kramer, Project Manager
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- 11
- 12
- 13
- 14

Client: Talon/LPE
Project/Site: Matador Federal 30 TB

Laboratory Job ID: 880-43598-1
SDG: Lea County, NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	12
QC Sample Results	13
QC Association Summary	17
Lab Chronicle	20
Certification Summary	23
Method Summary	24
Sample Summary	25
Chain of Custody	26
Receipt Checklists	27

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

Definitions/Glossary

Client: Talon/LPE
Project/Site: Matador Federal 30 TB

Job ID: 880-43598-1
SDG: Lea County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Talon/LPE
Project: Matador Federal 30 TB

Job ID: 880-43598-1

Job ID: 880-43598-1

Eurofins Midland

Job Narrative 880-43598-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 5/17/2024 3:21 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.1°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-4 (880-43598-1), S-9 (880-43598-2), SW-11 (880-43598-3), SW-12 (880-43598-4), SW-13 (880-43598-5), SW-14 (880-43598-6), SW-15 (880-43598-7) and SW-16 (880-43598-8).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-81064 and analytical batch 880-81054 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside the upper control limit: SW-16 (880-43598-8). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following sample was outside the upper control limit: SW-13 (880-43598-5). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The method blank for preparation batch 880-80999 and analytical batch 880-81038 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-80999 and analytical batch 880-81038 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

HPLC/IC

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

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Client Sample Results

Client: Talon/LPE
 Project/Site: Matador Federal 30 TB

Job ID: 880-43598-1
 SDG: Lea County, NM

Client Sample ID: S-4

Lab Sample ID: 880-43598-1

Date Collected: 05/13/24 11:50

Matrix: Solid

Date Received: 05/17/24 15:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00141	U	0.00202	0.00141	mg/Kg		05/20/24 09:53	05/20/24 13:32	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		05/20/24 09:53	05/20/24 13:32	1
Ethylbenzene	<0.00110	U	0.00202	0.00110	mg/Kg		05/20/24 09:53	05/20/24 13:32	1
m-Xylene & p-Xylene	<0.00231	U	0.00404	0.00231	mg/Kg		05/20/24 09:53	05/20/24 13:32	1
o-Xylene	<0.00160	U	0.00202	0.00160	mg/Kg		05/20/24 09:53	05/20/24 13:32	1
Xylenes, Total	<0.00231	U	0.00404	0.00231	mg/Kg		05/20/24 09:53	05/20/24 13:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	05/20/24 09:53	05/20/24 13:32	1
1,4-Difluorobenzene (Surr)	107		70 - 130	05/20/24 09:53	05/20/24 13:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00231	U	0.00404	0.00231	mg/Kg			05/20/24 13:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			05/20/24 11:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<11.0	U F1 F2	50.0	11.0	mg/Kg		05/17/24 16:42	05/20/24 11:18	1
Diesel Range Organics (Over C10-C28)	<15.0	U F1	50.0	15.0	mg/Kg		05/17/24 16:42	05/20/24 11:18	1
Oil Range Organics (Over C28-C36)	<12.5	U	50.0	12.5	mg/Kg		05/17/24 16:42	05/20/24 11:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	05/17/24 16:42	05/20/24 11:18	1
o-Terphenyl	92		70 - 130	05/17/24 16:42	05/20/24 11:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.6		4.97	0.393	mg/Kg			05/20/24 11:15	1

Client Sample ID: S-9

Lab Sample ID: 880-43598-2

Date Collected: 05/13/24 12:00

Matrix: Solid

Date Received: 05/17/24 15:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		05/20/24 09:53	05/20/24 13:52	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		05/20/24 09:53	05/20/24 13:52	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		05/20/24 09:53	05/20/24 13:52	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		05/20/24 09:53	05/20/24 13:52	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		05/20/24 09:53	05/20/24 13:52	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		05/20/24 09:53	05/20/24 13:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	05/20/24 09:53	05/20/24 13:52	1
1,4-Difluorobenzene (Surr)	104		70 - 130	05/20/24 09:53	05/20/24 13:52	1

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Client Sample Results

Client: Talon/LPE
 Project/Site: Matador Federal 30 TB

Job ID: 880-43598-1
 SDG: Lea County, NM

Client Sample ID: S-9

Lab Sample ID: 880-43598-2

Date Collected: 05/13/24 12:00

Matrix: Solid

Date Received: 05/17/24 15:21

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			05/20/24 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<14.9	U	49.8	14.9	mg/Kg			05/20/24 12:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<10.9	U	49.8	10.9	mg/Kg		05/17/24 16:42	05/20/24 12:21	1
Diesel Range Organics (Over C10-C28)	<14.9	U	49.8	14.9	mg/Kg		05/17/24 16:42	05/20/24 12:21	1
Oil Range Organics (Over C28-C36)	<12.5	U	49.8	12.5	mg/Kg		05/17/24 16:42	05/20/24 12:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				05/17/24 16:42	05/20/24 12:21	1
o-Terphenyl	110		70 - 130				05/17/24 16:42	05/20/24 12:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.0		5.04	0.398	mg/Kg			05/20/24 11:34	1

Client Sample ID: SW-11

Lab Sample ID: 880-43598-3

Date Collected: 05/13/24 12:10

Matrix: Solid

Date Received: 05/17/24 15:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00199	0.00139	mg/Kg		05/20/24 09:53	05/20/24 14:13	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		05/20/24 09:53	05/20/24 14:13	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		05/20/24 09:53	05/20/24 14:13	1
m-Xylene & p-Xylene	0.00242	J	0.00398	0.00228	mg/Kg		05/20/24 09:53	05/20/24 14:13	1
o-Xylene	0.00174	J	0.00199	0.00158	mg/Kg		05/20/24 09:53	05/20/24 14:13	1
Xylenes, Total	0.00416		0.00398	0.00228	mg/Kg		05/20/24 09:53	05/20/24 14:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				05/20/24 09:53	05/20/24 14:13	1
1,4-Difluorobenzene (Surr)	102		70 - 130				05/20/24 09:53	05/20/24 14:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00416		0.00398	0.00228	mg/Kg			05/20/24 14:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<14.9	U	49.7	14.9	mg/Kg			05/20/24 12:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<10.9	U	49.7	10.9	mg/Kg		05/17/24 16:42	05/20/24 12:42	1
Diesel Range Organics (Over C10-C28)	<14.9	U	49.7	14.9	mg/Kg		05/17/24 16:42	05/20/24 12:42	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Matador Federal 30 TB

Job ID: 880-43598-1
SDG: Lea County, NM

Client Sample ID: SW-11

Lab Sample ID: 880-43598-3

Date Collected: 05/13/24 12:10

Matrix: Solid

Date Received: 05/17/24 15:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<12.4	U	49.7	12.4	mg/Kg		05/17/24 16:42	05/20/24 12:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				05/17/24 16:42	05/20/24 12:42	1
o-Terphenyl	89		70 - 130				05/17/24 16:42	05/20/24 12:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	132		4.99	0.394	mg/Kg			05/20/24 11:40	1

Client Sample ID: SW-12

Lab Sample ID: 880-43598-4

Date Collected: 05/13/24 12:20

Matrix: Solid

Date Received: 05/17/24 15:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00141	U	0.00202	0.00141	mg/Kg		05/20/24 09:53	05/20/24 14:33	1
Toluene	0.00318		0.00202	0.00202	mg/Kg		05/20/24 09:53	05/20/24 14:33	1
Ethylbenzene	0.00158	J	0.00202	0.00110	mg/Kg		05/20/24 09:53	05/20/24 14:33	1
m-Xylene & p-Xylene	0.00651		0.00404	0.00231	mg/Kg		05/20/24 09:53	05/20/24 14:33	1
o-Xylene	0.00213		0.00202	0.00160	mg/Kg		05/20/24 09:53	05/20/24 14:33	1
Xylenes, Total	0.00864		0.00404	0.00231	mg/Kg		05/20/24 09:53	05/20/24 14:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				05/20/24 09:53	05/20/24 14:33	1
1,4-Difluorobenzene (Surr)	97		70 - 130				05/20/24 09:53	05/20/24 14:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0134		0.00404	0.00231	mg/Kg			05/20/24 14:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<14.9	U	49.7	14.9	mg/Kg			05/20/24 16:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<10.9	U	49.7	10.9	mg/Kg		05/17/24 16:42	05/20/24 16:28	1
Diesel Range Organics (Over C10-C28)	<14.9	U	49.7	14.9	mg/Kg		05/17/24 16:42	05/20/24 16:28	1
Oil Range Organics (Over C28-C36)	<12.4	U	49.7	12.4	mg/Kg		05/17/24 16:42	05/20/24 16:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				05/17/24 16:42	05/20/24 16:28	1
o-Terphenyl	99		70 - 130				05/17/24 16:42	05/20/24 16:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	92.5		5.02	0.397	mg/Kg			05/20/24 11:46	1

Client Sample Results

Client: Talon/LPE
 Project/Site: Matador Federal 30 TB

Job ID: 880-43598-1
 SDG: Lea County, NM

Client Sample ID: SW-13

Lab Sample ID: 880-43598-5

Date Collected: 05/13/24 12:25

Matrix: Solid

Date Received: 05/17/24 15:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00198	0.00138	mg/Kg		05/20/24 09:53	05/20/24 14:54	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		05/20/24 09:53	05/20/24 14:54	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg		05/20/24 09:53	05/20/24 14:54	1
m-Xylene & p-Xylene	0.00257	J	0.00396	0.00226	mg/Kg		05/20/24 09:53	05/20/24 14:54	1
o-Xylene	<0.00157	U	0.00198	0.00157	mg/Kg		05/20/24 09:53	05/20/24 14:54	1
Xylenes, Total	0.00257	J	0.00396	0.00226	mg/Kg		05/20/24 09:53	05/20/24 14:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	05/20/24 09:53	05/20/24 14:54	1
1,4-Difluorobenzene (Surr)	99		70 - 130	05/20/24 09:53	05/20/24 14:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00257	J	0.00396	0.00226	mg/Kg			05/20/24 14:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<14.9	U	49.6	14.9	mg/Kg			05/20/24 16:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<10.9	U	49.6	10.9	mg/Kg		05/17/24 16:42	05/20/24 16:48	1
Diesel Range Organics (Over C10-C28)	<14.9	U	49.6	14.9	mg/Kg		05/17/24 16:42	05/20/24 16:48	1
Oil Range Organics (Over C28-C36)	<12.4	U	49.6	12.4	mg/Kg		05/17/24 16:42	05/20/24 16:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130	05/17/24 16:42	05/20/24 16:48	1
o-Terphenyl	146	S1+	70 - 130	05/17/24 16:42	05/20/24 16:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106		4.95	0.391	mg/Kg			05/20/24 11:52	1

Client Sample ID: SW-14

Lab Sample ID: 880-43598-6

Date Collected: 05/13/24 12:35

Matrix: Solid

Date Received: 05/17/24 15:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00199	0.00138	mg/Kg		05/20/24 09:53	05/20/24 15:15	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		05/20/24 09:53	05/20/24 15:15	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		05/20/24 09:53	05/20/24 15:15	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		05/20/24 09:53	05/20/24 15:15	1
o-Xylene	<0.00157	U	0.00199	0.00157	mg/Kg		05/20/24 09:53	05/20/24 15:15	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		05/20/24 09:53	05/20/24 15:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	05/20/24 09:53	05/20/24 15:15	1
1,4-Difluorobenzene (Surr)	100		70 - 130	05/20/24 09:53	05/20/24 15:15	1

Eurofins Midland

Client Sample Results

Client: Talon/LPE
 Project/Site: Matador Federal 30 TB

Job ID: 880-43598-1
 SDG: Lea County, NM

Client Sample ID: SW-14

Lab Sample ID: 880-43598-6

Date Collected: 05/13/24 12:35

Matrix: Solid

Date Received: 05/17/24 15:21

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00398	0.00227	mg/Kg			05/20/24 15:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			05/20/24 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<11.0	U	50.0	11.0	mg/Kg		05/17/24 16:42	05/20/24 17:09	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		05/17/24 16:42	05/20/24 17:09	1
Oil Range Organics (Over C28-C36)	<12.5	U	50.0	12.5	mg/Kg		05/17/24 16:42	05/20/24 17:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				05/17/24 16:42	05/20/24 17:09	1
o-Terphenyl	93		70 - 130				05/17/24 16:42	05/20/24 17:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3740		25.0	1.98	mg/Kg			05/20/24 12:11	5

Client Sample ID: SW-15

Lab Sample ID: 880-43598-7

Date Collected: 05/13/24 12:30

Matrix: Solid

Date Received: 05/17/24 15:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		05/20/24 09:53	05/20/24 15:35	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		05/20/24 09:53	05/20/24 15:35	1
Ethylbenzene	0.00110	J	0.00200	0.00109	mg/Kg		05/20/24 09:53	05/20/24 15:35	1
m-Xylene & p-Xylene	0.00266	J	0.00400	0.00229	mg/Kg		05/20/24 09:53	05/20/24 15:35	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		05/20/24 09:53	05/20/24 15:35	1
Xylenes, Total	0.00266	J	0.00400	0.00229	mg/Kg		05/20/24 09:53	05/20/24 15:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130				05/20/24 09:53	05/20/24 15:35	1
1,4-Difluorobenzene (Surr)	94		70 - 130				05/20/24 09:53	05/20/24 15:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00376	J	0.00400	0.00229	mg/Kg			05/20/24 15:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<14.9	U	49.8	14.9	mg/Kg			05/20/24 17:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<10.9	U	49.8	10.9	mg/Kg		05/17/24 16:42	05/20/24 17:30	1
Diesel Range Organics (Over C10-C28)	<14.9	U	49.8	14.9	mg/Kg		05/17/24 16:42	05/20/24 17:30	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Matador Federal 30 TB

Job ID: 880-43598-1
SDG: Lea County, NM

Client Sample ID: SW-15

Lab Sample ID: 880-43598-7

Date Collected: 05/13/24 12:30

Matrix: Solid

Date Received: 05/17/24 15:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<12.5	U	49.8	12.5	mg/Kg		05/17/24 16:42	05/20/24 17:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				05/17/24 16:42	05/20/24 17:30	1
o-Terphenyl	109		70 - 130				05/17/24 16:42	05/20/24 17:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1300		25.2	1.99	mg/Kg			05/20/24 12:17	5

Client Sample ID: SW-16

Lab Sample ID: 880-43598-8

Date Collected: 05/13/24 12:05

Matrix: Solid

Date Received: 05/17/24 15:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		05/20/24 09:53	05/20/24 15:56	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		05/20/24 09:53	05/20/24 15:56	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		05/20/24 09:53	05/20/24 15:56	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		05/20/24 09:53	05/20/24 15:56	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		05/20/24 09:53	05/20/24 15:56	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		05/20/24 09:53	05/20/24 15:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				05/20/24 09:53	05/20/24 15:56	1
1,4-Difluorobenzene (Surr)	91		70 - 130				05/20/24 09:53	05/20/24 15:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			05/20/24 15:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<14.9	U	49.8	14.9	mg/Kg			05/20/24 17:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<10.9	U	49.8	10.9	mg/Kg		05/17/24 16:42	05/20/24 17:50	1
Diesel Range Organics (Over C10-C28)	<14.9	U	49.8	14.9	mg/Kg		05/17/24 16:42	05/20/24 17:50	1
Oil Range Organics (Over C28-C36)	<12.5	U	49.8	12.5	mg/Kg		05/17/24 16:42	05/20/24 17:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				05/17/24 16:42	05/20/24 17:50	1
o-Terphenyl	120		70 - 130				05/17/24 16:42	05/20/24 17:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	359		4.97	0.393	mg/Kg			05/20/24 12:23	1

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Surrogate Summary

Client: Talon/LPE
Project/Site: Matador Federal 30 TB

Job ID: 880-43598-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-43598-1	S-4	126	107
880-43598-2	S-9	117	104
880-43598-3	SW-11	118	102
880-43598-4	SW-12	123	97
880-43598-5	SW-13	123	99
880-43598-6	SW-14	128	100
880-43598-7	SW-15	129	94
880-43598-8	SW-16	132 S1+	91
880-43612-A-3-C MS	Matrix Spike	104	92
880-43612-A-3-D MSD	Matrix Spike Duplicate	110	90
LCS 880-81064/1-A	Lab Control Sample	115	96
LCSD 880-81064/2-A	Lab Control Sample Dup	111	100
MB 880-81064/5-A	Method Blank	177 S1+	107

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

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-43598-1	S-4	87	92
880-43598-1 MS	S-4	122	113
880-43598-1 MSD	S-4	103	99
880-43598-2	S-9	101	110
880-43598-3	SW-11	93	89
880-43598-4	SW-12	94	99
880-43598-5	SW-13	139 S1+	146 S1+
880-43598-6	SW-14	90	93
880-43598-7	SW-15	106	109
880-43598-8	SW-16	110	120
LCS 880-80999/2-A	Lab Control Sample	112	105
LCSD 880-80999/3-A	Lab Control Sample Dup	92	87
MB 880-80999/1-A	Method Blank	102	108

Surrogate Legend
1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Talon/LPE
 Project/Site: Matador Federal 30 TB

Job ID: 880-43598-1
 SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-81064/5-A
 Matrix: Solid
 Analysis Batch: 81054

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 81064

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		05/20/24 09:53	05/20/24 12:42	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		05/20/24 09:53	05/20/24 12:42	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		05/20/24 09:53	05/20/24 12:42	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		05/20/24 09:53	05/20/24 12:42	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		05/20/24 09:53	05/20/24 12:42	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		05/20/24 09:53	05/20/24 12:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	177	S1+	70 - 130	05/20/24 09:53	05/20/24 12:42	1
1,4-Difluorobenzene (Surr)	107		70 - 130	05/20/24 09:53	05/20/24 12:42	1

Lab Sample ID: LCS 880-81064/1-A
 Matrix: Solid
 Analysis Batch: 81054

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 81064

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1120		mg/Kg		112	70 - 130
Toluene	0.100	0.1052		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.1150		mg/Kg		115	70 - 130
m-Xylene & p-Xylene	0.200	0.2408		mg/Kg		120	70 - 130
o-Xylene	0.100	0.1067		mg/Kg		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-81064/2-A
 Matrix: Solid
 Analysis Batch: 81054

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 81064

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1174		mg/Kg		117	70 - 130	5	35
Toluene	0.100	0.1103		mg/Kg		110	70 - 130	5	35
Ethylbenzene	0.100	0.1189		mg/Kg		119	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2426		mg/Kg		121	70 - 130	1	35
o-Xylene	0.100	0.1057		mg/Kg		106	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-43612-A-3-C MS
 Matrix: Solid
 Analysis Batch: 81054

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 81064

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00140	U	0.100	0.09842		mg/Kg		98	70 - 130
Toluene	<0.00201	U	0.100	0.09326		mg/Kg		93	70 - 130

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QC Sample Results

Client: Talon/LPE
Project/Site: Matador Federal 30 TB

Job ID: 880-43598-1
SDG: Lea County, NM

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

Lab Sample ID: 880-43612-A-3-C MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 81054

Prep Batch: 81064

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Ethylbenzene	<0.00109	U	0.100	0.1027		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	<0.00229	U	0.200	0.1936		mg/Kg		97	70 - 130
o-Xylene	<0.00159	U	0.100	0.08244		mg/Kg		82	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 880-43612-A-3-D MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 81054

Prep Batch: 81064

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00140	U	0.100	0.1028		mg/Kg		103	70 - 130	4	35
Toluene	<0.00201	U	0.100	0.1033		mg/Kg		103	70 - 130	10	35
Ethylbenzene	<0.00109	U	0.100	0.1116		mg/Kg		112	70 - 130	8	35
m-Xylene & p-Xylene	<0.00229	U	0.200	0.2117		mg/Kg		106	70 - 130	9	35
o-Xylene	<0.00159	U	0.100	0.09331		mg/Kg		93	70 - 130	12	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

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

Lab Sample ID: MB 880-80999/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 81038

Prep Batch: 80999

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<11.0	U	50.0	11.0	mg/Kg		05/17/24 16:42	05/20/24 08:54	1
Diesel Range Organics (Over C10-C28)	22.68	J	50.0	15.0	mg/Kg		05/17/24 16:42	05/20/24 08:54	1
Oil Range Organics (Over C28-C36)	<12.5	U	50.0	12.5	mg/Kg		05/17/24 16:42	05/20/24 08:54	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	102		70 - 130	05/17/24 16:42	05/20/24 08:54	1
o-Terphenyl	108		70 - 130	05/17/24 16:42	05/20/24 08:54	1

Lab Sample ID: LCS 880-80999/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 81038

Prep Batch: 80999

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	889.9		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	1000	902.3		mg/Kg		90	70 - 130

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QC Sample Results

Client: Talon/LPE
 Project/Site: Matador Federal 30 TB

Job ID: 880-43598-1
 SDG: Lea County, NM

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

Lab Sample ID: LCS 880-80999/2-A
Matrix: Solid
Analysis Batch: 81038

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80999

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	112		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: LCSD 880-80999/3-A
Matrix: Solid
Analysis Batch: 81038

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80999

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	815.3		mg/Kg		82	70 - 130	9		20
Diesel Range Organics (Over C10-C28)	1000	772.3		mg/Kg		77	70 - 130	16		20

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	92		70 - 130
o-Terphenyl	87		70 - 130

Lab Sample ID: 880-43598-1 MS
Matrix: Solid
Analysis Batch: 81038

Client Sample ID: S-4
Prep Type: Total/NA
Prep Batch: 80999

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<11.0	U F1 F2	998	569.7	F1	mg/Kg		57	70 - 130			
Diesel Range Organics (Over C10-C28)	<15.0	U F1	998	595.4	F1	mg/Kg		60	70 - 130			

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	122		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: 880-43598-1 MSD
Matrix: Solid
Analysis Batch: 81038

Client Sample ID: S-4
Prep Type: Total/NA
Prep Batch: 80999

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<11.0	U F1 F2	998	879.8	F2	mg/Kg		88	70 - 130	43		20
Diesel Range Organics (Over C10-C28)	<15.0	U F1	998	521.0	F1	mg/Kg		52	70 - 130	13		20

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	103		70 - 130
o-Terphenyl	99		70 - 130

QC Sample Results

Client: Talon/LPE
 Project/Site: Matador Federal 30 TB

Job ID: 880-43598-1
 SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-81044/1-A
 Matrix: Solid
 Analysis Batch: 81061

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	5.00	0.395	mg/Kg			05/20/24 10:57	1

Lab Sample ID: LCS 880-81044/2-A
 Matrix: Solid
 Analysis Batch: 81061

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	240.9		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-81044/3-A
 Matrix: Solid
 Analysis Batch: 81061

Client Sample ID: Lab Control Sample Dup
 Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	243.3		mg/Kg		97	90 - 110	1	20

Lab Sample ID: 880-43598-1 MS
 Matrix: Solid
 Analysis Batch: 81061

Client Sample ID: S-4
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	81.6		249	324.5		mg/Kg		98	90 - 110

Lab Sample ID: 880-43598-1 MSD
 Matrix: Solid
 Analysis Batch: 81061

Client Sample ID: S-4
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	81.6		249	322.3		mg/Kg		97	90 - 110	1	20

QC Association Summary

Client: Talon/LPE
 Project/Site: Matador Federal 30 TB

Job ID: 880-43598-1
 SDG: Lea County, NM

GC VOA

Analysis Batch: 81054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43598-1	S-4	Total/NA	Solid	8021B	81064
880-43598-2	S-9	Total/NA	Solid	8021B	81064
880-43598-3	SW-11	Total/NA	Solid	8021B	81064
880-43598-4	SW-12	Total/NA	Solid	8021B	81064
880-43598-5	SW-13	Total/NA	Solid	8021B	81064
880-43598-6	SW-14	Total/NA	Solid	8021B	81064
880-43598-7	SW-15	Total/NA	Solid	8021B	81064
880-43598-8	SW-16	Total/NA	Solid	8021B	81064
MB 880-81064/5-A	Method Blank	Total/NA	Solid	8021B	81064
LCS 880-81064/1-A	Lab Control Sample	Total/NA	Solid	8021B	81064
LCSD 880-81064/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	81064
880-43612-A-3-C MS	Matrix Spike	Total/NA	Solid	8021B	81064
880-43612-A-3-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	81064

Prep Batch: 81064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43598-1	S-4	Total/NA	Solid	5035	
880-43598-2	S-9	Total/NA	Solid	5035	
880-43598-3	SW-11	Total/NA	Solid	5035	
880-43598-4	SW-12	Total/NA	Solid	5035	
880-43598-5	SW-13	Total/NA	Solid	5035	
880-43598-6	SW-14	Total/NA	Solid	5035	
880-43598-7	SW-15	Total/NA	Solid	5035	
880-43598-8	SW-16	Total/NA	Solid	5035	
MB 880-81064/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-81064/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-81064/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-43612-A-3-C MS	Matrix Spike	Total/NA	Solid	5035	
880-43612-A-3-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 81187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43598-1	S-4	Total/NA	Solid	Total BTEX	
880-43598-2	S-9	Total/NA	Solid	Total BTEX	
880-43598-3	SW-11	Total/NA	Solid	Total BTEX	
880-43598-4	SW-12	Total/NA	Solid	Total BTEX	
880-43598-5	SW-13	Total/NA	Solid	Total BTEX	
880-43598-6	SW-14	Total/NA	Solid	Total BTEX	
880-43598-7	SW-15	Total/NA	Solid	Total BTEX	
880-43598-8	SW-16	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 80999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43598-1	S-4	Total/NA	Solid	8015NM Prep	
880-43598-2	S-9	Total/NA	Solid	8015NM Prep	
880-43598-3	SW-11	Total/NA	Solid	8015NM Prep	
880-43598-4	SW-12	Total/NA	Solid	8015NM Prep	
880-43598-5	SW-13	Total/NA	Solid	8015NM Prep	
880-43598-6	SW-14	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Talon/LPE
Project/Site: Matador Federal 30 TB

Job ID: 880-43598-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 80999 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43598-7	SW-15	Total/NA	Solid	8015NM Prep	
880-43598-8	SW-16	Total/NA	Solid	8015NM Prep	
MB 880-80999/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-80999/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-80999/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-43598-1 MS	S-4	Total/NA	Solid	8015NM Prep	
880-43598-1 MSD	S-4	Total/NA	Solid	8015NM Prep	

Analysis Batch: 81038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43598-1	S-4	Total/NA	Solid	8015B NM	80999
880-43598-2	S-9	Total/NA	Solid	8015B NM	80999
880-43598-3	SW-11	Total/NA	Solid	8015B NM	80999
880-43598-4	SW-12	Total/NA	Solid	8015B NM	80999
880-43598-5	SW-13	Total/NA	Solid	8015B NM	80999
880-43598-6	SW-14	Total/NA	Solid	8015B NM	80999
880-43598-7	SW-15	Total/NA	Solid	8015B NM	80999
880-43598-8	SW-16	Total/NA	Solid	8015B NM	80999
MB 880-80999/1-A	Method Blank	Total/NA	Solid	8015B NM	80999
LCS 880-80999/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	80999
LCSD 880-80999/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	80999
880-43598-1 MS	S-4	Total/NA	Solid	8015B NM	80999
880-43598-1 MSD	S-4	Total/NA	Solid	8015B NM	80999

Analysis Batch: 81177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43598-1	S-4	Total/NA	Solid	8015 NM	
880-43598-2	S-9	Total/NA	Solid	8015 NM	
880-43598-3	SW-11	Total/NA	Solid	8015 NM	
880-43598-4	SW-12	Total/NA	Solid	8015 NM	
880-43598-5	SW-13	Total/NA	Solid	8015 NM	
880-43598-6	SW-14	Total/NA	Solid	8015 NM	
880-43598-7	SW-15	Total/NA	Solid	8015 NM	
880-43598-8	SW-16	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 81044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43598-1	S-4	Soluble	Solid	DI Leach	
880-43598-2	S-9	Soluble	Solid	DI Leach	
880-43598-3	SW-11	Soluble	Solid	DI Leach	
880-43598-4	SW-12	Soluble	Solid	DI Leach	
880-43598-5	SW-13	Soluble	Solid	DI Leach	
880-43598-6	SW-14	Soluble	Solid	DI Leach	
880-43598-7	SW-15	Soluble	Solid	DI Leach	
880-43598-8	SW-16	Soluble	Solid	DI Leach	
MB 880-81044/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-81044/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-81044/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-43598-1 MS	S-4	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Talon/LPE
Project/Site: Matador Federal 30 TB

Job ID: 880-43598-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 81044 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43598-1 MSD	S-4	Soluble	Solid	DI Leach	

Analysis Batch: 81061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43598-1	S-4	Soluble	Solid	300.0	81044
880-43598-2	S-9	Soluble	Solid	300.0	81044
880-43598-3	SW-11	Soluble	Solid	300.0	81044
880-43598-4	SW-12	Soluble	Solid	300.0	81044
880-43598-5	SW-13	Soluble	Solid	300.0	81044
880-43598-6	SW-14	Soluble	Solid	300.0	81044
880-43598-7	SW-15	Soluble	Solid	300.0	81044
880-43598-8	SW-16	Soluble	Solid	300.0	81044
MB 880-81044/1-A	Method Blank	Soluble	Solid	300.0	81044
LCS 880-81044/2-A	Lab Control Sample	Soluble	Solid	300.0	81044
LCSD 880-81044/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	81044
880-43598-1 MS	S-4	Soluble	Solid	300.0	81044
880-43598-1 MSD	S-4	Soluble	Solid	300.0	81044

Lab Chronicle

Client: Talon/LPE
 Project/Site: Matador Federal 30 TB

Job ID: 880-43598-1
 SDG: Lea County, NM

Client Sample ID: S-4

Lab Sample ID: 880-43598-1

Date Collected: 05/13/24 11:50

Matrix: Solid

Date Received: 05/17/24 15:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	81064	05/20/24 09:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81054	05/20/24 13:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81187	05/20/24 13:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			81177	05/20/24 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80999	05/17/24 16:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81038	05/20/24 11:18	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	81044	05/20/24 08:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81061	05/20/24 11:15	SMC	EET MID

Client Sample ID: S-9

Lab Sample ID: 880-43598-2

Date Collected: 05/13/24 12:00

Matrix: Solid

Date Received: 05/17/24 15:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	81064	05/20/24 09:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81054	05/20/24 13:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81187	05/20/24 13:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			81177	05/20/24 12:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80999	05/17/24 16:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81038	05/20/24 12:21	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	81044	05/20/24 08:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81061	05/20/24 11:34	SMC	EET MID

Client Sample ID: SW-11

Lab Sample ID: 880-43598-3

Date Collected: 05/13/24 12:10

Matrix: Solid

Date Received: 05/17/24 15:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	81064	05/20/24 09:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81054	05/20/24 14:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81187	05/20/24 14:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			81177	05/20/24 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80999	05/17/24 16:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81038	05/20/24 12:42	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	81044	05/20/24 08:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81061	05/20/24 11:40	SMC	EET MID

Client Sample ID: SW-12

Lab Sample ID: 880-43598-4

Date Collected: 05/13/24 12:20

Matrix: Solid

Date Received: 05/17/24 15:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	81064	05/20/24 09:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81054	05/20/24 14:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81187	05/20/24 14:33	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Talon/LPE
 Project/Site: Matador Federal 30 TB

Job ID: 880-43598-1
 SDG: Lea County, NM

Client Sample ID: SW-12

Lab Sample ID: 880-43598-4

Date Collected: 05/13/24 12:20

Matrix: Solid

Date Received: 05/17/24 15:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			81177	05/20/24 16:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	80999	05/17/24 16:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81038	05/20/24 16:28	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	81044	05/20/24 08:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81061	05/20/24 11:46	SMC	EET MID

Client Sample ID: SW-13

Lab Sample ID: 880-43598-5

Date Collected: 05/13/24 12:25

Matrix: Solid

Date Received: 05/17/24 15:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	81064	05/20/24 09:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81054	05/20/24 14:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81187	05/20/24 14:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			81177	05/20/24 16:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	80999	05/17/24 16:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81038	05/20/24 16:48	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	81044	05/20/24 08:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81061	05/20/24 11:52	SMC	EET MID

Client Sample ID: SW-14

Lab Sample ID: 880-43598-6

Date Collected: 05/13/24 12:35

Matrix: Solid

Date Received: 05/17/24 15:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	81064	05/20/24 09:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81054	05/20/24 15:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81187	05/20/24 15:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			81177	05/20/24 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80999	05/17/24 16:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81038	05/20/24 17:09	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	81044	05/20/24 08:46	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	81061	05/20/24 12:11	SMC	EET MID

Client Sample ID: SW-15

Lab Sample ID: 880-43598-7

Date Collected: 05/13/24 12:30

Matrix: Solid

Date Received: 05/17/24 15:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	81064	05/20/24 09:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81054	05/20/24 15:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81187	05/20/24 15:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			81177	05/20/24 17:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80999	05/17/24 16:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81038	05/20/24 17:30	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Talon/LPE
 Project/Site: Matador Federal 30 TB

Job ID: 880-43598-1
 SDG: Lea County, NM

Client Sample ID: SW-15

Lab Sample ID: 880-43598-7

Date Collected: 05/13/24 12:30

Matrix: Solid

Date Received: 05/17/24 15:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	81044	05/20/24 08:46	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	81061	05/20/24 12:17	SMC	EET MID

Client Sample ID: SW-16

Lab Sample ID: 880-43598-8

Date Collected: 05/13/24 12:05

Matrix: Solid

Date Received: 05/17/24 15:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	81064	05/20/24 09:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81054	05/20/24 15:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81187	05/20/24 15:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			81177	05/20/24 17:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80999	05/17/24 16:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81038	05/20/24 17:50	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	81044	05/20/24 08:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81061	05/20/24 12:23	SMC	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: Matador Federal 30 TB

Job ID: 880-43598-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

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

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

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

Method Summary

Client: Talon/LPE
 Project/Site: Matador Federal 30 TB

Job ID: 880-43598-1
 SDG: Lea County, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

Client: Talon/LPE
Project/Site: Matador Federal 30 TB

Job ID: 880-43598-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-43598-1	S-4	Solid	05/13/24 11:50	05/17/24 15:21
880-43598-2	S-9	Solid	05/13/24 12:00	05/17/24 15:21
880-43598-3	SW-11	Solid	05/13/24 12:10	05/17/24 15:21
880-43598-4	SW-12	Solid	05/13/24 12:20	05/17/24 15:21
880-43598-5	SW-13	Solid	05/13/24 12:25	05/17/24 15:21
880-43598-6	SW-14	Solid	05/13/24 12:35	05/17/24 15:21
880-43598-7	SW-15	Solid	05/13/24 12:30	05/17/24 15:21
880-43598-8	SW-16	Solid	05/13/24 12:05	05/17/24 15:21

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



880-43598 Chain of Custody

Chain of Custody

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

Environment Testing
Xenco



Work Order

www.xenco.com page 1 of 1

Work Order Comments

Program: US/PST PRP Brownfields RRC Superfund

State of Project: Reporting Level II Level III PST/UST TRRP Level IV

Deliverables EDD ADaPT Other

Project Manager: Kayla Taylor
Company Name: Talon LPE
Address: 408 W. Texas Ave
City, State ZIP: Artesia, NM 88210
Phone: 575 746 8768 Email: ktaylor@talonlpe.com

Bill to: (if different)
Company Name:
Address:
City, State ZIP:

ANALYSIS REQUEST

Project Name: Matador Federal 30 TB
Project Number: 702520.084.02
Project Location: Lea County, NM
Sampler's Name: Kayla Taylor
PO #: N/A

SAMPLE RECEIPT
 Samples Received Intact: Yes No Thermometer ID:
 Cooler Custody Seals: Yes No Correction Factor:
 Sample Custody Seals: Yes No Temperature Reading:
 Total Containers: Corrected Temperature:
 Turn Around: Routine Rush
 Due Date: TAT starts the day received by the lab, if received by 4:30pm
 Wet Ice: Yes No

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Pres. Code	Parameters	Sample Comments
S-4	S	5-13-24	1150	6'	C	1		CL 300.00	
S-9	S		1200	8'	C	1		BTEX	
SW-11	S		1210		C	1		TPH	
SW-12	S		1220		C	1			
SW-13	S		1225		C	1			
SW-14	S		1235		C	1			
SW-15	S		1230		C	1			
SW-16	S		1205		C	1			

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg 1631/245 1 / 7470 / 7471

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

Relinquished by: (Signature) *Kayla Taylor* Date/Time 7/1/24 15:21
 Received by: (Signature) _____ Date/Time _____
 Relinquished by: (Signature) _____ Date/Time _____
 Received by: (Signature) _____ Date/Time _____



Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 880-43598-1
SDG Number: Lea County, NM

Login Number: 43598
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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

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QUESTIONS

Action 360051

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 360051
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2401856462
Incident Name	NAPP2401856462 FEDERAL 30 TB @ 0
Incident Type	Produced Water Release
Incident Status	Deferral Request Received

Location of Release Source

Please answer all the questions in this group.

Site Name	FEDERAL 30 TB
Date Release Discovered	01/18/2024
Surface Owner	Federal

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: 17 BBL Recovered: 15 BBL Lost: 2 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)	Released 17BBLs of produced water recovered 15 BBLs lost 2BBLs

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QUESTIONS, Page 2

Action 360051

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 360051
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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>

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	<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: 07/01/2024
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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 360051
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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 100 and 500 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 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	Low
A 100-year floodplain	Greater than 5 (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
<i>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.</i>	
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)	18300
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	491
GRO+DRO	(EPA SW-846 Method 8015M)	230
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	04/08/2024
On what date will (or did) the final sampling or liner inspection occur	05/13/2024
On what date will (or was) the remediation complete(d)	05/13/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	2881
What is the estimated volume (in cubic yards) that will be remediated	533

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 360051

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937 Action Number: 360051 Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)
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QUESTIONS

Remediation Plan (continued)

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

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Not answered.
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	Yes
What is the name of the NMED facility	R360
(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.

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 07/01/2024
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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 5

Action 360051

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 360051
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Below the equipment, lines, and TB secondary containment on the NW side
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	525
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	115
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (##) on which this deferral should be granted	Federal 30 Slot 3 Facility Tank Battery [fAPP2203274213]
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<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: 07/01/2024

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QUESTIONS, Page 6

Action 360051

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID:	228937
	Action Number:	360051
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	342274
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/13/2024
What was the (estimated) number of samples that were to be gathered	4
What was the sampling surface area in square feet	400

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	No
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CONDITIONS

Action 360051

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 360051
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	Deferral approved. Deferral of sample SW-14 and SW-15 is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time.	7/12/2024