talonlpe.com • 866.742.0742

TALON LPE

Closure Report

Michael Ryan Federal Com #204H
Eddy County, New Mexico
API ID # 30-015-49984
Incident # NAPP2320661320

Prepared For:

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

Prepared By:

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

December 29, 2023

NMOCD
506 W. Texas Ave
Artesia, NM 88210

Subject: **Closure Report**
Michael Ryan Federal Com #204H
Eddy County, New Mexico
API ID # 30-015-49984
Incident # NAPP2320661320

To Whom It May Concern,

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

Site Information

The Michael Ryan Federal Com #204H is located approximately 7.9 miles southeast of Carlsbad, New Mexico. The legal location for this release is Unit Letter E, Section 16, Township 22S, and Range 28E in Eddy County, New Mexico. The latitude and longitude for the site is 32.38719, -104.10021. 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 soil in this area is comprised of Reeves-Gypsum land complex, 0 to 3 percent slopes. The referenced soil data is presented in Appendix II. Per the New Mexico Bureau of Geology and Mineral Resources, the local geology consists of piedmont alluvial deposits Holocene to lower Pleistocene in age. Drainage courses in this area are typically well drained.

Groundwater and Site Characterization

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 46 feet below ground surface (bgs) and is located greater than 0.5 miles from the subject location. The FEMA Flood Map Service Center does not locate the site in a 100-year flood plain. Further research of the Bureau of Land Management Karst data indicates that this site is situated within a medium potential Karst area. See Appendix II for the site characterization data.

Site Characterization	
What is the shallowest depth to groundwater beneath the area affected by the release? (ft bgs)	46 ft
What method was used to determine the depth to groundwater? (Estimate/Temp. Well/POD)	Estimate
Did the release impact groundwater or surface water? (Yes/No)	No
Distance from a flowing watercourse or any other significant watercourse. (mi)	2.1 mi
Distance from any lakebed, sinkhole, or playa lake. (mi)	1.2 mi
Distance from an occupied permanent residence, school, hospital, institution, or church. (mi)	5.0 mi
Distance from a spring or private domestic fresh water well used by less than five households for domestic or stock watering purposes. (mi)	1.3 mi
Distance from any fresh water well or spring. (mi)	1.3 mi
Distance from incorporated municipal boundaries or a defined municipal fresh water field. (mi)	4.9 mi
Distance from a wetland. (mi)	0.6 mi
Distance from a subsurface mine. (mi)	9.8 mi
Distance from (non-karst) unstable area. (mi)	10.5 mi
Categorize the risk of this well/site being in a karst geology. (None/Low/Medium/High/Critical)	Medium
Distance from a 100-year floodplain. (mi)	0.06 mi
Did the release impact areas not on an exploration, development, production, or storage site? (Yes/No)	No

Groundwater and Site Characterization (Continued)

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 of groundwater less than 50 feet bgs, Table I, NMOCD Rule 19.15.29.12 NMAC.

Table I Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**
≤ 50 feet	Chloride***	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 July 25, 2023, human error led to 75 barrels (bbls) of produced water being released from a frac tank onto the well pad. 70 bbls of produced water were recovered from the area of release. The initial C-141 was submitted to the NMOCD, and can be reviewed under incident number NAPP2320661320.

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

Site Assessment Activities

On August 21, 2023, Talon personnel mobilized to the site to conduct an initial site assessment of the spill area. Samples were collected from the impacted area utilizing a hand auger. The sample positions and impacted area were mapped with a global navigation satellite system (GNSS) device. All 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), Total Petroleum Hydrocarbons (TPH, EPA Method 8015D), Total Metals (EPA Method 6010C), and Total Mercury (EPA Method 7471B).

On September 5, 2023, Talon personnel returned to the site to collect additional samples within the spill area. The sample positions were mapped with a GNSS device. All 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), Total Petroleum Hydrocarbons (TPH, EPA Method 8015D) and Volatile Organics (BTEX, EPA Method 8021B).

Analytical results of the collected assessment samples are summarized in Table 1 within Appendix VI. A Site Assessment map is presented in Appendix I.

Remediation Activities

On October 10, 2023, Talon personnel began the excavation of the impacted area. A backhoe was used to excavate down to 4.5 feet bgs. Field titration data was utilized to guide the vertical and horizontal extents of the excavation process.

On November 22, 2023, Talon returned to the site to conduct a confirmation sampling event. 30 composite samples were collected from the floor and sidewalls of the excavated area. The sample positions and excavation area were mapped with a GNSS device and photographed. All 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), Total Petroleum Hydrocarbons (TPH, EPA Method 8015D) and Volatile Organics (BTEX, EPA Method 8021B).

Analytical results of the confirmation sampling event are summarized in Table 2 within Appendix VI. Sample locations are illustrated on the Confirmation map within Appendix I and complete laboratory analytical reports are presented in Appendix V.

Remedial Action Summary

- The impacted area was excavated to depth of 4.5 feet bgs.
- Approximately 782 cubic yards of contaminated soil was removed from the subject location.
- All contaminated soil was transported to a NMOCD approved solid waste disposal facility.
- Pursuant to NMOCD guidance, confirmation soil samples were collected at 200 square foot intervals and analyzed for TPH, BTEX and Total Chlorides to insure all areas had reached NMOCD closure criteria.
- The excavated area was backfilled with new, nonimpacted caliche, machine compacted, and contoured to match the surrounding location.
- Remediation activities were documented with photographs timestamped with GPS data. Photographic documentation is provided in Appendix IV.
- Copies of the Final C-141s and NMOCD correspondence are presented in Appendix III.

Closure

Based upon the completed remedial actions and confirmation sample analytical results; on behalf of Matador Resources, we respectfully request that no further actions be required and that closure of this incident be granted.

Respectfully submitted,

Talon/LPE

Matthew Gomez
Project Manager

Chad Hensley
Senior Project Manager

Attachments:

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

Appendix I

Site Maps

TALON LPE

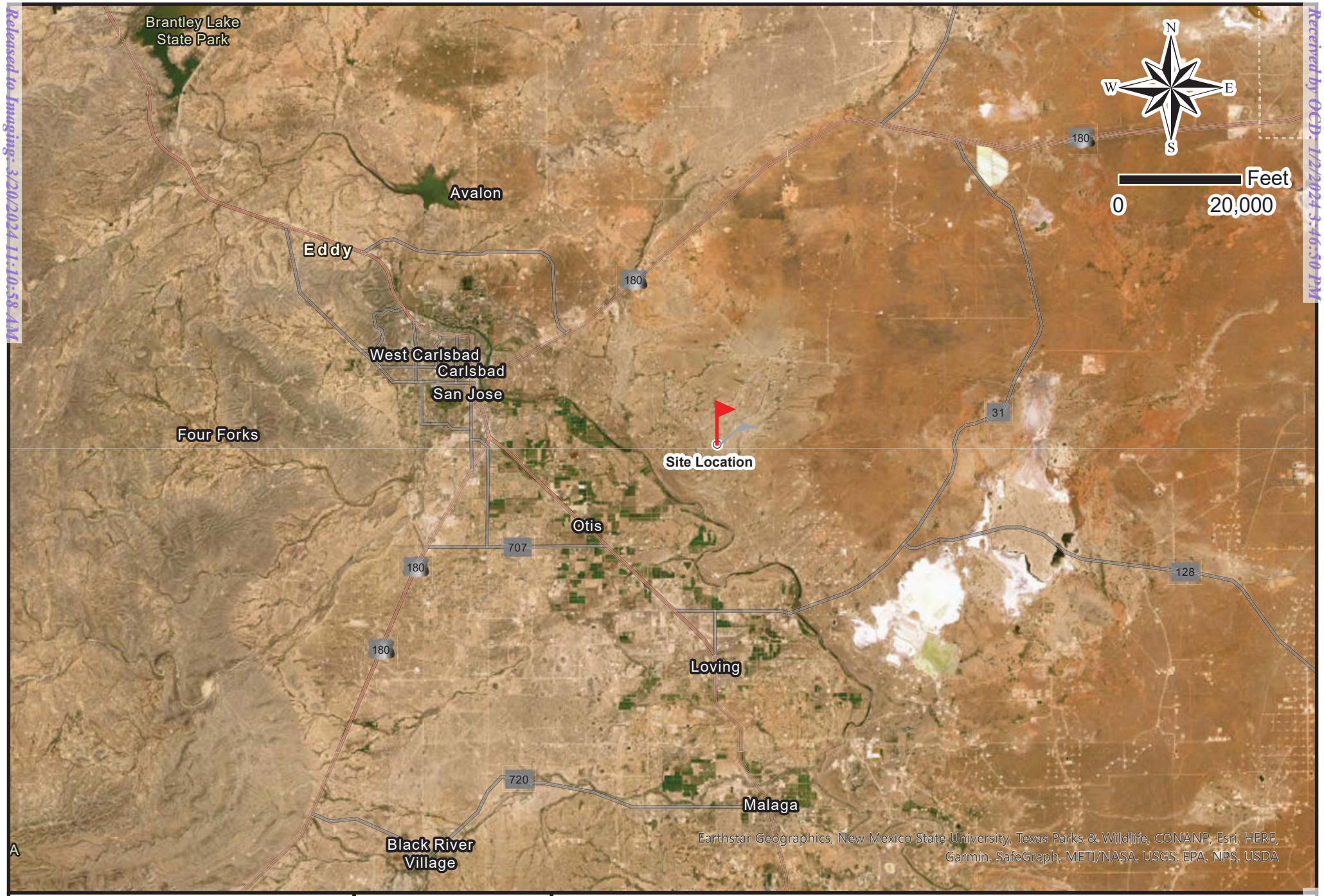
Drafted: 12/29/2023
1 in = 50 ft
Drafted By: IJR

Matador Resources Company
Michael Ryan Federal Com #204H
Eddy County, NM
Site Assessment Map

TALON LPE

Drafted: 12/29/2023
1 in = 50 ft
Drafted By: IJR

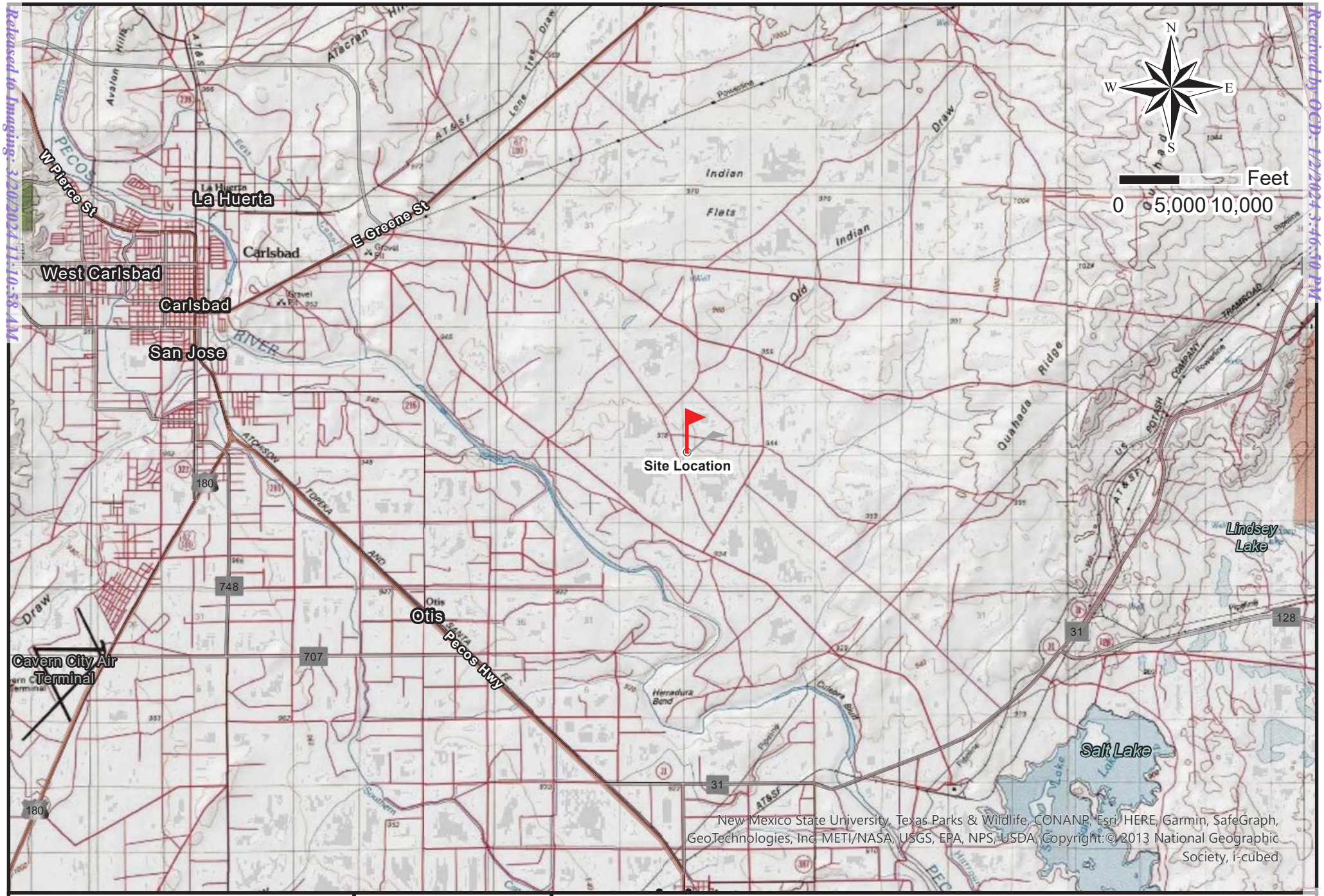
Matador Resources Company
Michael Ryan Federal Com #204H
Eddy County, NM
Confirmation Map



TALON LPE

Drafted: 12/29/2023
1 in = 20,000 ft
Drafted By: IJR

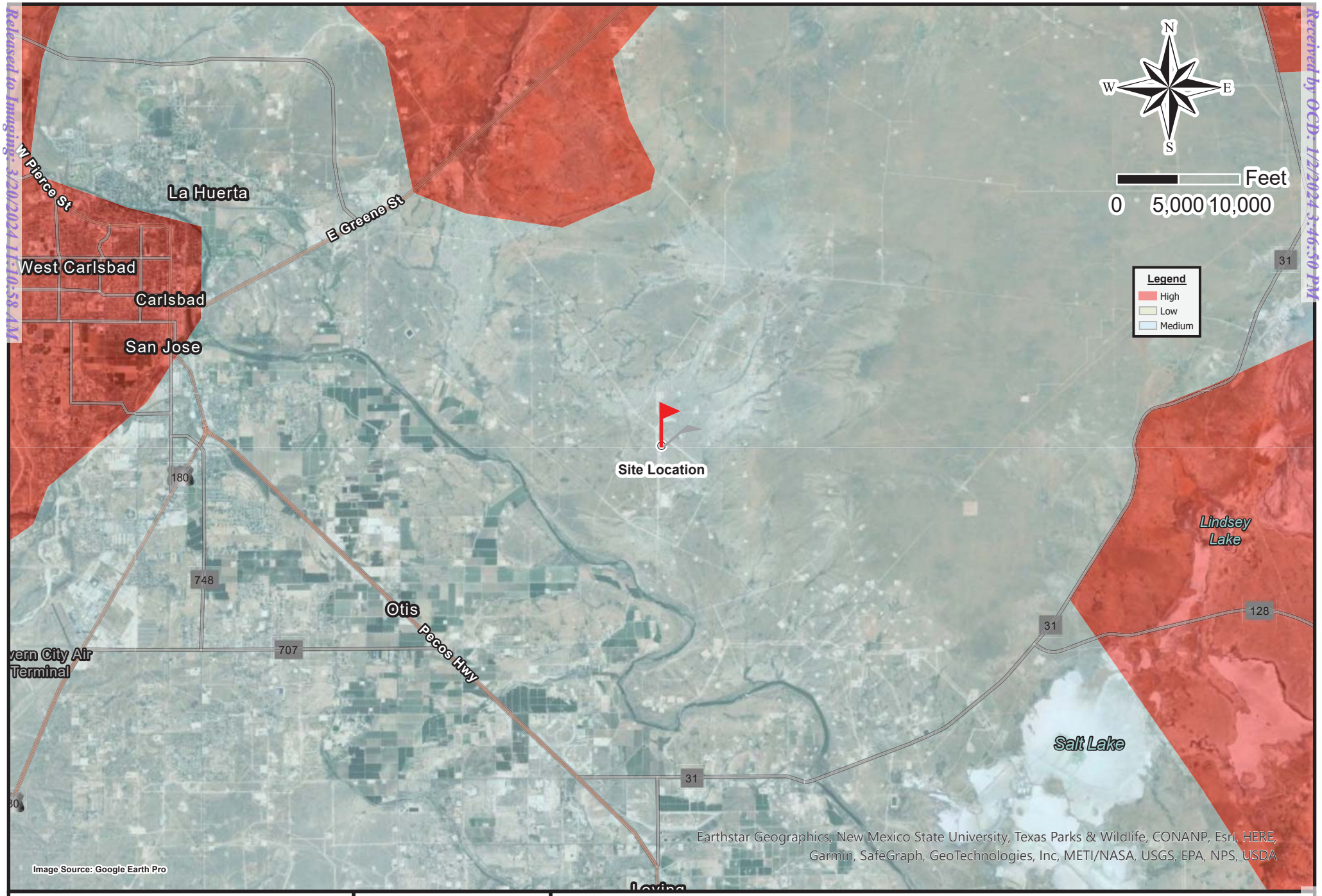
Matador Resources Company
Michael Ryan Federal Com #204H
Eddy County, NM
Site Location Map



TALON LPE

Drafted: 12/29/2023
1 in = 10,000 ft
Drafted By: IJR

Matador Resources Company
Michael Ryan Federal Com #204H
Eddy County, NM
Topographic Map



TALON LPE

Drafted: 12/29/2023
1 in = 10,000 ft
Drafted By: IJR

Matador Resources Company
Michael Ryan Federal Com #204H
Eddy County, NM
Karst Map

Appendix II

Groundwater Data

Soil Survey

FEMA Flood Map

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

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

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

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

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04702 POD2		CUB	ED	2	1	4	18	22S	28E	582367	3584016	2339	55	46	9
C 04702 POD1		CUB	ED	2	1	4	18	22S	28E	582312	3584100	2409	50	31	19
C 01508		C	ED	1	1	4	18	22S	28E	582206	3584195*	2534	180		
C 00642		C	ED				19	22S	28E	582220	3582687*	2613	200		

Average Depth to Water: **38 feet**
Minimum Depth: **31 feet**
Maximum Depth: **46 feet**

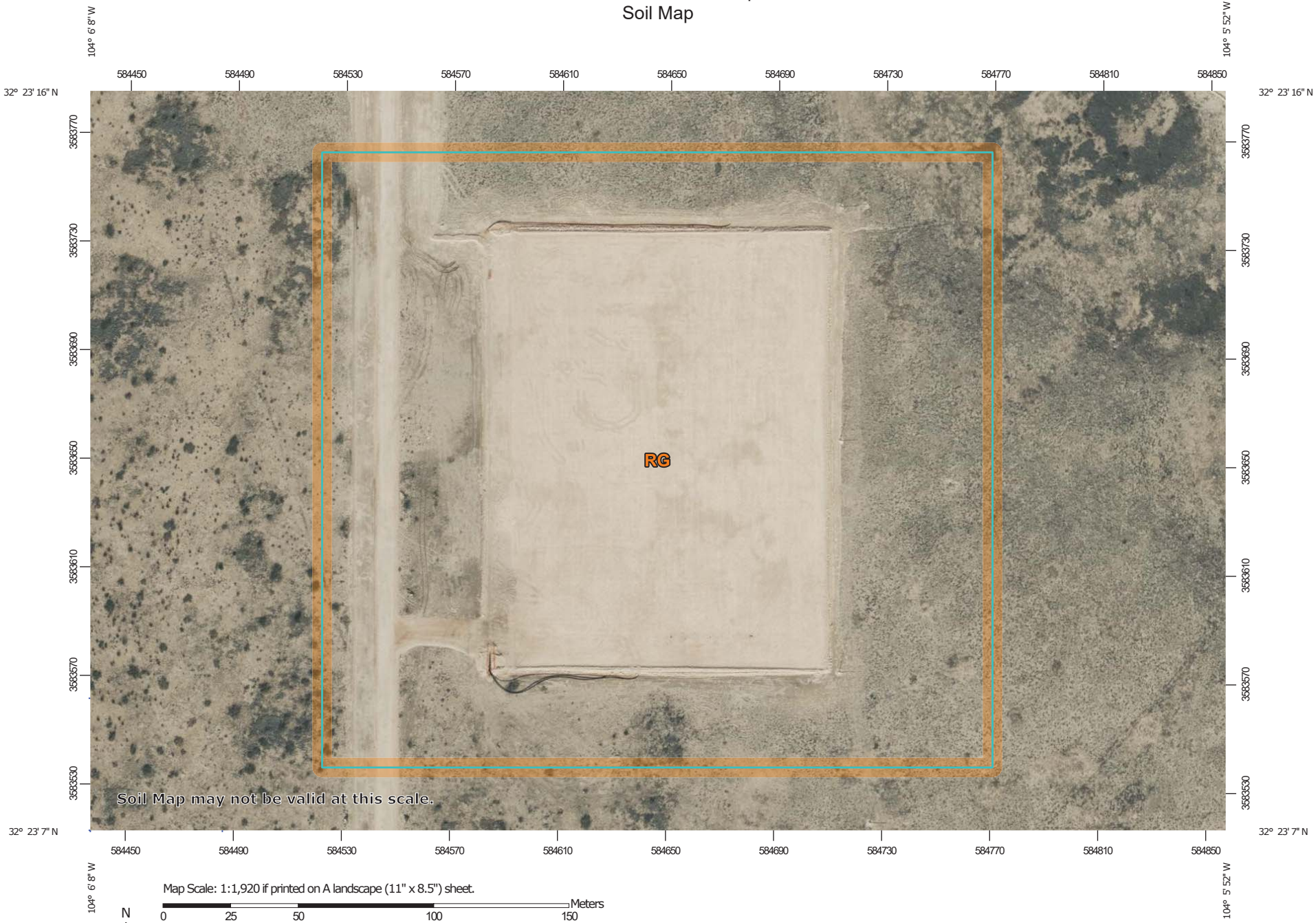
Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 584669 **Northing (Y):** 3583599 **Radius:** 3000

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

Custom Soil Resource Report
Soil Map



Map Scale: 1:1,920 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 25 50 100 150

Feet
0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

Eddy Area, New Mexico

RG—Reeves-Gypsum land complex, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w5f
Elevation: 1,250 to 5,000 feet
Mean annual precipitation: 10 to 25 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 190 to 235 days
Farmland classification: Not prime farmland

Map Unit Composition

Reeves and similar soils: 55 percent
Gypsum land: 30 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Reeves

Setting

Landform: Ridges, plains, hills
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope
Landform position (three-dimensional): Side slope, head slope, nose slope, crest
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Residuum weathered from gypsum

Typical profile

H1 - 0 to 8 inches: loam
H2 - 8 to 32 inches: clay loam
H3 - 32 to 60 inches: gypsiferous material

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 25 percent
Gypsum, maximum content: 80 percent
Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Low (about 4.3 inches)

Interpretive groups

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

Description of Gypsum Land

Setting

Landform: Ridges, plains, hills
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope
Landform position (three-dimensional): Side slope, head slope, nose slope, crest
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Residuum weathered from gypsum

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8s
Hydric soil rating: No

Minor Components

Reagan

Percent of map unit: 5 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Largo

Percent of map unit: 5 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

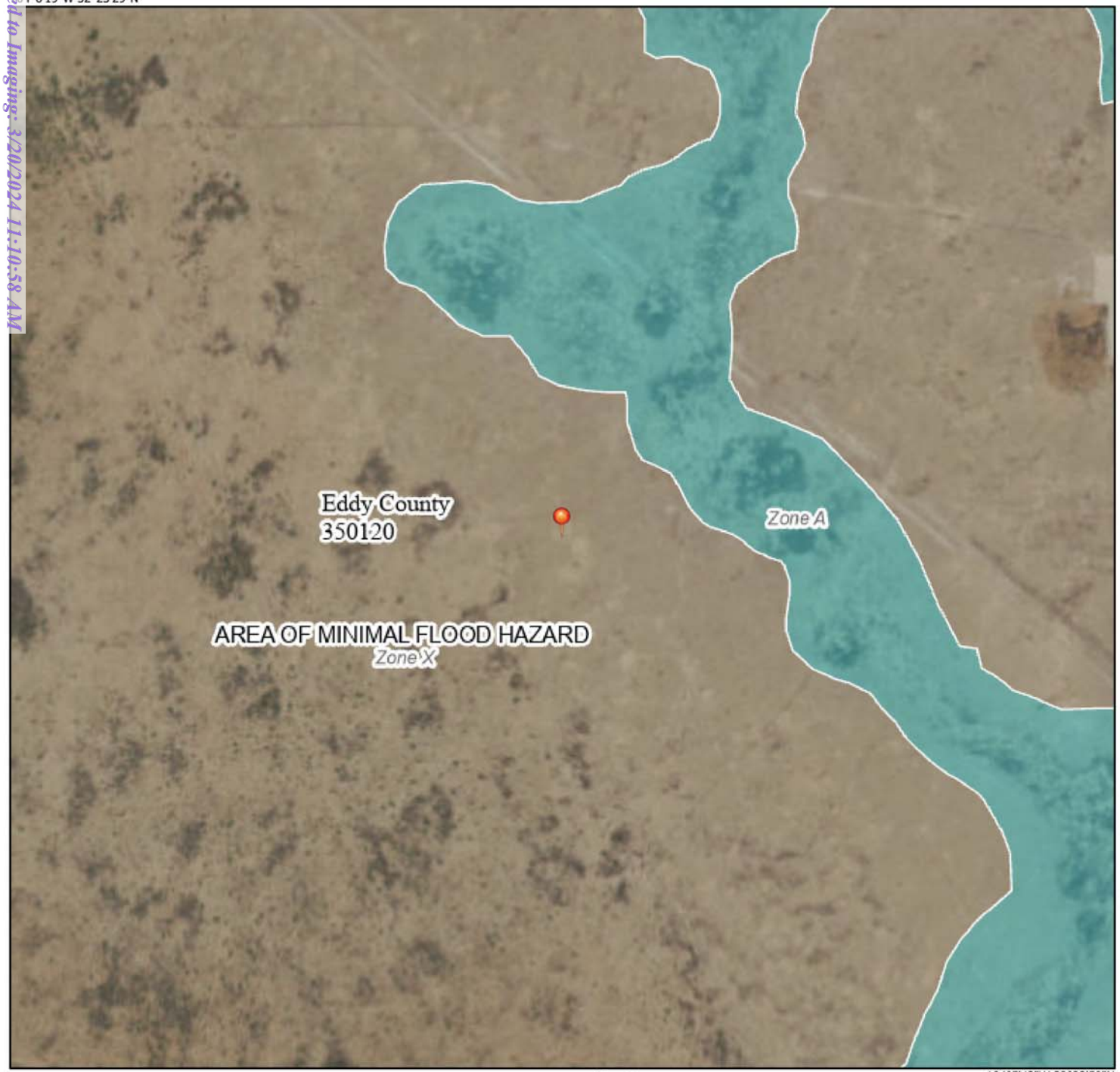
Cottonwood

Percent of map unit: 5 percent
Ecological site: R070BC033NM - Salty Bottomland
Hydric soil rating: No

National Flood Hazard Layer FIRMette

FEMA

104°6'19"W 32°23'29"N



104°5'42"W 32°22'59"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap Imagery Source: USGS National Map 2023

Legend

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

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, A*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, A of 1% annual chance flood with aver depth less than one foot or with drain areas of less than one square mile *Zo*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zon*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/14/2023 at 10:06 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

Appendix III

C-141 Forms

NMOCD Correspondence

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	NAPP2320661320
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Matador Resources	OGRID	228937
Contact Name	Clinton Talley	Contact Telephone	337-319-8398
Contact email	clinton.talley@matadorresources.com	Incident # *(assigned by OCD)*	NAPP2320661320
Contact mailing address	5347 N. 26th Street 2nd Floor, Artesia, NM 88210		

Location of Release Source

Latitude 32.38719 Longitude 104.1002
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Michael Ryan Federal Com #204H	Site Type	Gas
Date Release Discovered		API# *(if applicable)*	30-015-49984

Unit Letter	Section	Township	Range	County
E	16	22S	28E	Eddy

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☑ Produced Water	Volume Released (bbls) 75bbl	Volume Recovered (bbls) 70bbl
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Human Error.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2320661320
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☑ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Greater than 25 bbl

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

NOR submitted

Initial Response

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

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

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

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

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

Printed Name: Clinton Talley Title: EHS

Signature: Clint Talley Date: 7/31/2023

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

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2320661320
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	46 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NAP2320661320
District RP	
Facility ID	
Application ID	

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

Printed Name: Clinton Talley Title: EHS Supervisor

Signature: Clint Talley Date: 1/2/2024

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

OCD Only

Received by: _____ Date: _____

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2320661320
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☒ Description of remediation activities

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

Printed Name: Clinton Talley Title: EHS Supervisor

Signature: Clint Talley Date: 1/2/2024

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

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Matthew Gomez

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Monday, November 20, 2023 9:47 AM
To: Nathaniel Rose; Chad Hensley; Matthew Gomez
Cc: David J. Adkins; clinton.talley@matadorresources.com; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] Confirmation sampling event

Hi Nathaniel,

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

Thank you,

Shelly

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

From: Nathaniel Rose <nrose@talonlpe.com>
Sent: Monday, November 20, 2023 9:34 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Chad Hensley <chensley@talonlpe.com>; Matthew Gomez <mgomez@talonlpe.com>
Cc: David J. Adkins <dadkins@talonlpe.com>; clinton.talley@matadorresources.com
Subject: [EXTERNAL] Confirmation sampling event

To whom it may concern,
Talon on behalf of Matador is conducting an ongoing sampling event for:
Michael Ryan Federal Com#204H
NAPP2320661320
11/22/23 @ 0930 AM

Nathaniel Rose
Environmental Scientist
Office: 575.746.8768 x
Cell: 575.706.7071
Fax: 575.746.8905

Emergency: 866.742.0742
Web: **www.talonlpe.com**

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

Appendix IV

Photographic Documentation

Matador Resources
Michael Ryan Fed Com #204H
Eddy County, New Mexico

Photograph No.1 Description:	Excavation in progress.

Photograph No.2 Description:	Completed 4.5-foot excavation.

Matador Resources
Michael Ryan Fed Com #204H
Eddy County, New Mexico

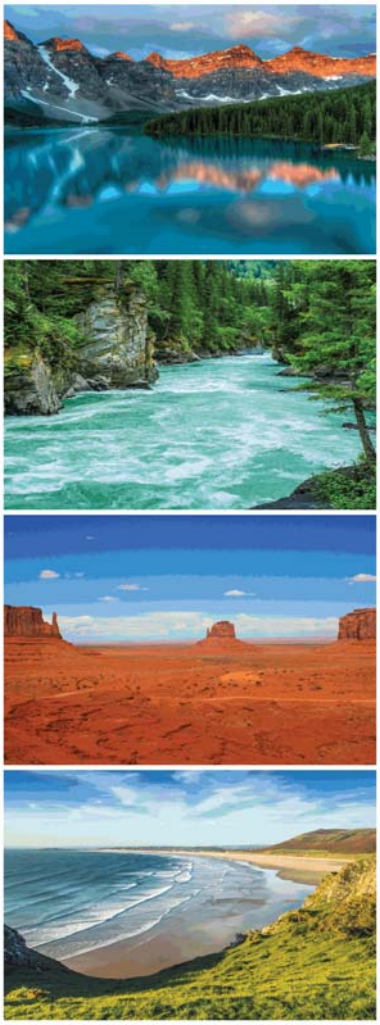
Photograph No.3 **Description:**	Final Backfill.

Appendix V

Laboratory Reports

Report to:

Chad Hensley



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Michael Ryan Fed Com 204
Work Order:	E308163
Job Number:	23052-0001
Received:	8/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/29/23

Date Reported: 8/29/23

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

Project Name: Michael Ryan Fed Com 204
Workorder: E308163
Date Received: 8/23/2023 8:15:00AM

Chad Hensley,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/23/2023 8:15:00AM, under the Project Name: Michael Ryan Fed Com 204.

The analytical test results summarized in this report with the Project Name: Michael Ryan Fed Com 204 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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	08/29/23 16:17

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S-1 0 - 6"	E308163-01A	Soil	08/21/23	08/23/23	Glass Jar, 4 oz.
S-1 1'	E308163-02A	Soil	08/21/23	08/23/23	Glass Jar, 4 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	8/29/2023 4:17:53PM

S-1 0 - 6"

E308163-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2334044
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/23/23	08/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.3 %*	*70-130*	*08/23/23*	*08/24/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2334064
Diesel Range Organics (C10-C28)	ND	25.0	1	08/24/23	08/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/24/23	08/24/23	
Surrogate: n-Nonane		*93.5 %*	*50-200*	*08/24/23*	*08/24/23*	
Total Metals by EPA 6010C	mg/kg	mg/kg	Analyst: RKS			Batch: 2334059
Arsenic	ND	2.50	5	08/24/23	08/29/23	D3
Barium	ND	31.3	5	08/24/23	08/29/23	
Cadmium	ND	1.25	5	08/24/23	08/29/23	
Chromium	ND	2.50	5	08/24/23	08/29/23	
Lead	ND	1.25	5	08/24/23	08/29/23	
Selenium	ND	6.25	5	08/24/23	08/29/23	
Silver	ND	1.25	5	08/24/23	08/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2334075
Chloride	**1650**	200	10	08/24/23	08/25/23	
Total Mercury by EPA 7471B	ug/kg	ug/kg	Analyst: JL			Batch: 2335005
Mercury	ND	20.0	1	08/28/23	08/28/23	

Sample Data

Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	8/29/2023 4:17:53PM

S-1 1'

E308163-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2334044
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/23/23	08/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.1 %*	*70-130*	*08/23/23*	*08/24/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2334064
Diesel Range Organics (C10-C28)	ND	25.0	1	08/24/23	08/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/24/23	08/24/23	
Surrogate: n-Nonane		*87.5 %*	*50-200*	*08/24/23*	*08/24/23*	
Total Metals by EPA 6010C	mg/kg	mg/kg	Analyst: RKS			Batch: 2334059
Arsenic	ND	2.50	5	08/24/23	08/29/23	D3
Barium	ND	31.3	5	08/24/23	08/29/23	
Cadmium	ND	1.25	5	08/24/23	08/29/23	
Chromium	**3.21**	2.50	5	08/24/23	08/29/23	
Lead	ND	1.25	5	08/24/23	08/29/23	
Selenium	ND	6.25	5	08/24/23	08/29/23	
Silver	ND	1.25	5	08/24/23	08/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2334075
Chloride	**2040**	200	10	08/24/23	08/26/23	
Total Mercury by EPA 7471B	ug/kg	ug/kg	Analyst: JL			Batch: 2335005
Mercury	ND	20.0	1	08/28/23	08/28/23	

QC Summary Data

Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	8/29/2023 4:17:53PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2334044-BLK1)									Prepared: 08/23/23 Analyzed: 08/24/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.67*		*8.00*		*83.4*	*70-130*			
LCS (2334044-BS2)									Prepared: 08/23/23 Analyzed: 08/24/23
Gasoline Range Organics (C6-C10)	42.0	20.0	50.0		84.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.88*		*8.00*		*86.0*	*70-130*			
Matrix Spike (2334044-MS2)				**Source: E308165-01**					Prepared: 08/23/23 Analyzed: 08/24/23
Gasoline Range Organics (C6-C10)	36.3	20.0	50.0	ND	72.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.89*		*8.00*		*86.1*	*70-130*			
Matrix Spike Dup (2334044-MSD2)				**Source: E308165-01**					Prepared: 08/23/23 Analyzed: 08/24/23
Gasoline Range Organics (C6-C10)	42.3	20.0	50.0	ND	84.7	70-130	15.4	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.88*		*8.00*		*86.0*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	8/29/2023 4:17:53PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2334064-BLK1)									Prepared: 08/24/23 Analyzed: 08/24/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*46.3*		*50.0*		*92.5*	*50-200*			
LCS (2334064-BS1)									Prepared: 08/24/23 Analyzed: 08/24/23
Diesel Range Organics (C10-C28)	229	25.0	250		91.6	38-132			
Surrogate: n-Nonane	*44.6*		*50.0*		*89.2*	*50-200*			
Matrix Spike (2334064-MS1)				**Source: E308164-02**					Prepared: 08/24/23 Analyzed: 08/24/23
Diesel Range Organics (C10-C28)	240	25.0	250	ND	96.0	38-132			
Surrogate: n-Nonane	*38.6*		*50.0*		*77.2*	*50-200*			
Matrix Spike Dup (2334064-MSD1)				**Source: E308164-02**					Prepared: 08/24/23 Analyzed: 08/24/23
Diesel Range Organics (C10-C28)	240	25.0	250	ND	95.9	38-132	0.174	20	
Surrogate: n-Nonane	*40.5*		*50.0*		*81.0*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	8/29/2023 4:17:53PM

Total Metals by EPA 6010C

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2334059-BLK1)									Prepared: 08/24/23 Analyzed: 08/24/23
Arsenic	ND	0.500							
Barium	ND	6.25							
Cadmium	ND	0.250							
Chromium	ND	0.500							
Lead	ND	0.250							
Selenium	ND	1.25							
Silver	ND	0.250							
LCS (2334059-BS1)									Prepared: 08/24/23 Analyzed: 08/24/23
Arsenic	12.1	0.500	12.5		97.1	80-120			
Barium	313	6.25	313		100	80-120			
Cadmium	6.32	0.250	6.25		101	80-120			
Chromium	25.4	0.500	25.0		101	80-120			
Lead	6.46	0.250	6.25		103	80-120			
Selenium	31.7	1.25	31.3		101	80-120			
Silver	2.21	0.250	2.50		88.2	80-120			
Matrix Spike (2334059-MS1)				**Source: E308159-01**					Prepared: 08/24/23 Analyzed: 08/24/23
Arsenic	16.5	0.500	12.5	5.16	90.7	75-125			
Barium	397	6.25	313	94.8	96.6	75-125			
Cadmium	6.31	0.250	6.25	0.540	92.4	75-125			
Chromium	37.8	0.500	25.0	10.1	111	75-125			
Lead	14.6	0.250	6.25	8.30	100	75-125			
Selenium	29.3	1.25	31.3	ND	93.8	75-125			
Silver	1.98	0.250	2.50	ND	79.3	75-125			
Matrix Spike Dup (2334059-MSD1)				**Source: E308159-01**					Prepared: 08/24/23 Analyzed: 08/24/23
Arsenic	18.6	0.500	12.5	5.16	107	75-125	11.7	20	
Barium	418	6.25	313	94.8	103	75-125	5.10	20	
Cadmium	6.36	0.250	6.25	0.540	93.1	75-125	0.750	20	
Chromium	37.5	0.500	25.0	10.1	110	75-125	0.731	20	
Lead	14.4	0.250	6.25	8.30	97.6	75-125	1.19	20	
Selenium	29.9	1.25	31.3	ND	95.5	75-125	1.86	20	
Silver	1.97	0.250	2.50	ND	78.6	75-125	0.887	20	

QC Summary Data

Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	8/29/2023 4:17:53PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2334075-BLK1)									Prepared: 08/24/23 Analyzed: 08/28/23
Chloride	ND	20.0							
LCS (2334075-BS1)									Prepared: 08/24/23 Analyzed: 08/25/23
Chloride	245	20.0	250		97.9	90-110			
Matrix Spike (2334075-MS1)				**Source: E308163-01**					Prepared: 08/24/23 Analyzed: 08/26/23
Chloride	1900	200	250	1650	102	80-120			
Matrix Spike Dup (2334075-MSD1)				**Source: E308163-01**					Prepared: 08/24/23 Analyzed: 08/26/23
Chloride	2110	200	250	1650	185	80-120	10.4	20	M4

QC Summary Data

Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	8/29/2023 4:17:53PM

Total Mercury by EPA 7471B

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	ug/kg	ug/kg	ug/kg	ug/kg	%	%	%	%	
Blank (2335005-BLK1)									Prepared: 08/28/23 Analyzed: 08/28/23
Mercury	ND	20.0							
LCS (2335005-BS1)									Prepared: 08/28/23 Analyzed: 08/28/23
Mercury	157	20.0	160		98.4	80-120			
Matrix Spike (2335005-MS1)				**Source: E308163-02**					Prepared: 08/28/23 Analyzed: 08/28/23
Mercury	136	20.0	160	ND	85.1	80-120			
Matrix Spike Dup (2335005-MSD1)				**Source: E308163-02**					Prepared: 08/28/23 Analyzed: 08/28/23
Mercury	133	20.0	160	ND	83.3	80-120	2.08	20	

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	08/29/23 16:17

D3	Sample required dilution due to high concentration of non-target analyte(s) resulting in an elevated reporting limit.
M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Project Information | Chain of Custody | Page 1 of 1

Client: Matador	Bill To	Lab Use Only	TAT / EPA Program
Project: Michael Ryan Fed Com 204	Attention:	Lab WO# E308163	Job Number 23052-0001
Project Manager: C. Hensley	Address:		1D 2D 3D Standard: X
Address: 408 W Texas Ave	City, State, Zip		CWA SDWA RCRA
City, State, Zip Artesia, NM, 88210	Phone:		State: NM X, CO, UT, AZ, TX
Phone: 575-746 8768	Email:		
Email: Nrose@Talon LPE.com			
Report due by:			

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	TIC RA 8 metals	Remarks
1440	8-21-23	Soil	1	S-1 0-6"	1	X	X				X			X	
1448	8-21-23	Soil	1	S-1 1'	2	X	X				X			X	

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	8-21-23		Michelle Gonzales	8.22.23	1430
Michelle Gonzales	8-22-23	1545		8.22.23	1730
	8.23.23	2400		8/23/23	8:15

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 8/23/2023 12:15:01PM

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:	08/23/23 08:15	Work Order ID:	E308163
Phone:	(972) 371-5200	Date Logged In:	08/22/23 16:48	Logged In By:	Caitlin Mars
Email:		Due Date:	08/29/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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 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?	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 filteration 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

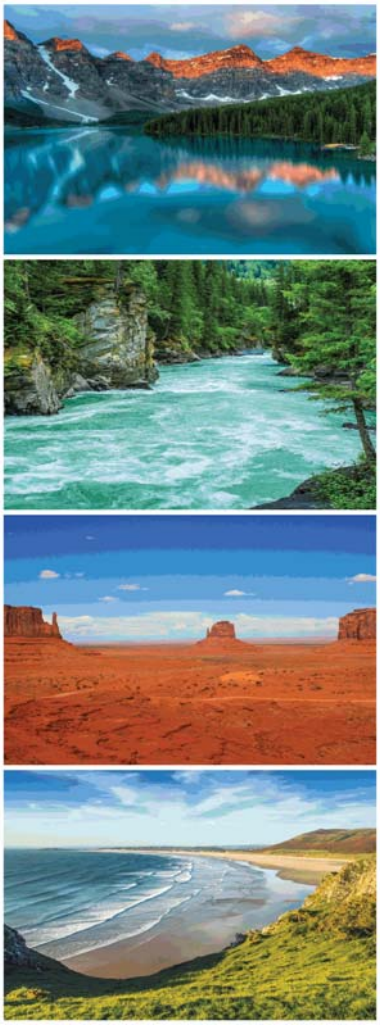
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Chad Hensley



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Michael Ryan Fed Com 204
Work Order:	E309035
Job Number:	23042-0001
Received:	9/6/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/12/23

Date Reported: 9/12/23

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

Project Name: Michael Ryan Fed Com 204
Workorder: E309035
Date Received: 9/6/2023 5:35:00AM

Chad Hensley,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/6/2023 5:35:00AM, under the Project Name: Michael Ryan Fed Com 204.

The analytical test results summarized in this report with the Project Name: Michael Ryan Fed Com 204 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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Table of Contents (continued)

Sample Summary

Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	09/12/23 12:41

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S-2 Surface	E309035-01A	Soil	09/05/23	09/06/23	Glass Jar, 4 oz.
S-2 1'	E309035-02A	Soil	09/05/23	09/06/23	Glass Jar, 4 oz.
S-2 2'	E309035-03A	Soil	09/05/23	09/06/23	Glass Jar, 4 oz.
S-2 4'	E309035-04A	Soil	09/05/23	09/06/23	Glass Jar, 4 oz.
S-3 Surface	E309035-05A	Soil	09/05/23	09/06/23	Glass Jar, 4 oz.
S-3 1'	E309035-06A	Soil	09/05/23	09/06/23	Glass Jar, 4 oz.
S-3 2'	E309035-07A	Soil	09/05/23	09/06/23	Glass Jar, 4 oz.
S-3 4'	E309035-08A	Soil	09/05/23	09/06/23	Glass Jar, 4 oz.
S-4 Surface	E309035-09A	Soil	09/05/23	09/06/23	Glass Jar, 4 oz.
S-4 1'	E309035-10A	Soil	09/05/23	09/06/23	Glass Jar, 4 oz.
S-4 2'	E309035-11A	Soil	09/05/23	09/06/23	Glass Jar, 4 oz.
S-4 4'	E309035-12A	Soil	09/05/23	09/06/23	Glass Jar, 4 oz.
S-5 Surface	E309035-13A	Soil	09/05/23	09/06/23	Glass Jar, 4 oz.
S-5 1'	E309035-14A	Soil	09/05/23	09/06/23	Glass Jar, 4 oz.
S-5 2'	E309035-15A	Soil	09/05/23	09/06/23	Glass Jar, 4 oz.
S-5 4'	E309035-16A	Soil	09/05/23	09/06/23	Glass Jar, 4 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	9/12/2023 12:41:04PM

S-2 Surface

E309035-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2336061
Benzene	ND	0.0250	1	09/06/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/07/23	
Toluene	ND	0.0250	1	09/06/23	09/07/23	
o-Xylene	ND	0.0250	1	09/06/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/07/23	
Surrogate: 4-Bromochlorobenzene-PID		*94.5 %*	*70-130*	*09/06/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336061
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/07/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.3 %*	*70-130*	*09/06/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2337002
Diesel Range Organics (C10-C28)	**1050**	25.0	1	09/11/23	09/11/23	
Oil Range Organics (C28-C36)	**1570**	50.0	1	09/11/23	09/11/23	
Surrogate: n-Nonane		*107 %*	*50-200*	*09/11/23*	*09/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2337009
Chloride	**57200**	2000	100	09/11/23	09/11/23	

Sample Data

Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	9/12/2023 12:41:04PM

S-2 1'

E309035-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2336061
Benzene	ND	0.0250	1	09/06/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/07/23	
Toluene	ND	0.0250	1	09/06/23	09/07/23	
o-Xylene	ND	0.0250	1	09/06/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/07/23	
Surrogate: 4-Bromochlorobenzene-PID		*95.5 %*	*70-130*	*09/06/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336061
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/07/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.4 %*	*70-130*	*09/06/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2337002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/23	09/11/23	
Surrogate: n-Nonane		*107 %*	*50-200*	*09/11/23*	*09/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2337009
Chloride	**4100**	400	20	09/11/23	09/11/23	

Sample Data

Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	9/12/2023 12:41:04PM

S-2 2'

E309035-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2336061
Benzene	ND	0.0250	1	09/06/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/07/23	
Toluene	ND	0.0250	1	09/06/23	09/07/23	
o-Xylene	ND	0.0250	1	09/06/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/07/23	
Surrogate: 4-Bromochlorobenzene-PID		*95.2 %*	*70-130*	*09/06/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336061
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/07/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.1 %*	*70-130*	*09/06/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2337002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/23	09/11/23	
Surrogate: n-Nonane		*109 %*	*50-200*	*09/11/23*	*09/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2337009
Chloride	**1800**	400	20	09/11/23	09/11/23	

Sample Data

Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	9/12/2023 12:41:04PM

S-2 4'

E309035-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2336061
Benzene	ND	0.0250	1	09/06/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/07/23	
Toluene	ND	0.0250	1	09/06/23	09/07/23	
o-Xylene	ND	0.0250	1	09/06/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/07/23	
Surrogate: 4-Bromochlorobenzene-PID		*94.9 %*	*70-130*	*09/06/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336061
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/07/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.6 %*	*70-130*	*09/06/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2337002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/23	09/11/23	
Surrogate: n-Nonane		*110 %*	*50-200*	*09/11/23*	*09/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2337009
Chloride	**617**	200	10	09/11/23	09/11/23	

Sample Data

Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	9/12/2023 12:41:04PM

S-3 Surface

E309035-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2336061
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.2 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336061
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.3 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2337002
Diesel Range Organics (C10-C28)	**121**	25.0	1	09/11/23	09/12/23	
Oil Range Organics (C28-C36)	**62.9**	50.0	1	09/11/23	09/12/23	
Surrogate: n-Nonane		*108 %*	*50-200*	*09/11/23*	*09/12/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2337009
Chloride	**583**	40.0	2	09/11/23	09/11/23	

Sample Data

Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	9/12/2023 12:41:04PM

S-3 1'

E309035-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2336061
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: 4-Bromochlorobenzene-PID		*95.7 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336061
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.3 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2337002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/23	09/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/23	09/12/23	
Surrogate: n-Nonane		*103 %*	*50-200*	*09/11/23*	*09/12/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2337009
Chloride	ND	200	10	09/11/23	09/11/23	

Sample Data

Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	9/12/2023 12:41:04PM

S-3 2'

E309035-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2336061
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: 4-Bromochlorobenzene-PID		*95.6 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336061
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.4 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2337002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/23	09/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/23	09/12/23	
Surrogate: n-Nonane		*108 %*	*50-200*	*09/11/23*	*09/12/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2337009
Chloride	ND	200	10	09/11/23	09/11/23	

Sample Data

Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	9/12/2023 12:41:04PM

S-3 4'

E309035-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2336061
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: 4-Bromochlorobenzene-PID		*95.5 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336061
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.7 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2337002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/23	09/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/23	09/12/23	
Surrogate: n-Nonane		*112 %*	*50-200*	*09/11/23*	*09/12/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2337009
Chloride	ND	200	10	09/11/23	09/11/23	

Sample Data

Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	9/12/2023 12:41:04PM

S-4 Surface

E309035-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2336061
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: 4-Bromochlorobenzene-PID		*95.7 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336061
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.4 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2337002
Diesel Range Organics (C10-C28)	**399**	25.0	1	09/11/23	09/12/23	
Oil Range Organics (C28-C36)	**215**	50.0	1	09/11/23	09/12/23	
Surrogate: n-Nonane		*110 %*	*50-200*	*09/11/23*	*09/12/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2337009
Chloride	**28900**	2000	100	09/11/23	09/11/23	

Sample Data

Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	9/12/2023 12:41:04PM

S-4 1'

E309035-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2336061
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: 4-Bromochlorobenzene-PID		*95.4 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336061
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.4 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2337002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/23	09/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/23	09/12/23	
Surrogate: n-Nonane		*112 %*	*50-200*	*09/11/23*	*09/12/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2337009
Chloride	**8910**	400	20	09/11/23	09/11/23	

Sample Data

Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	9/12/2023 12:41:04PM

S-4 2'

E309035-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2336061
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.1 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336061
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.9 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2337002
Diesel Range Organics (C10-C28)	**141**	25.0	1	09/11/23	09/12/23	
Oil Range Organics (C28-C36)	**94.7**	50.0	1	09/11/23	09/12/23	
Surrogate: n-Nonane		*119 %*	*50-200*	*09/11/23*	*09/12/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2337009
Chloride	ND	400	20	09/11/23	09/11/23	

Sample Data

Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	9/12/2023 12:41:04PM

S-4 4'

E309035-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2336061
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: 4-Bromochlorobenzene-PID		*94.6 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336061
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.4 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2337002
Diesel Range Organics (C10-C28)	**105**	25.0	1	09/11/23	09/12/23	
Oil Range Organics (C28-C36)	**69.6**	50.0	1	09/11/23	09/12/23	
Surrogate: n-Nonane		*117 %*	*50-200*	*09/11/23*	*09/12/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2337009
Chloride	ND	400	20	09/11/23	09/11/23	

Sample Data

Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	9/12/2023 12:41:04PM

S-5 Surface

E309035-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2336061
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.6 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336061
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.1 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2337002
Diesel Range Organics (C10-C28)	**729**	25.0	1	09/11/23	09/12/23	
Oil Range Organics (C28-C36)	**1040**	50.0	1	09/11/23	09/12/23	
Surrogate: n-Nonane		*109 %*	*50-200*	*09/11/23*	*09/12/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2337009
Chloride	**74900**	2000	100	09/11/23	09/11/23	

Sample Data

Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	9/12/2023 12:41:04PM

S-5 1'

E309035-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2336061
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.0 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336061
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.4 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2337002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/23	09/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/23	09/12/23	
Surrogate: n-Nonane		*111 %*	*50-200*	*09/11/23*	*09/12/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2337009
Chloride	**3790**	400	20	09/11/23	09/11/23	

Sample Data

Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	9/12/2023 12:41:04PM

S-5 2'

E309035-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2336061
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.8 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336061
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.9 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2337002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/23	09/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/23	09/12/23	
Surrogate: n-Nonane		*112 %*	*50-200*	*09/11/23*	*09/12/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2337009
Chloride	**2180**	400	20	09/11/23	09/11/23	

Sample Data

Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	9/12/2023 12:41:04PM

S-5 4'

E309035-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2336061
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.7 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336061
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.0 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2337002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/23	09/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/23	09/12/23	
Surrogate: n-Nonane		*111 %*	*50-200*	*09/11/23*	*09/12/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2337009
Chloride	**454**	400	20	09/11/23	09/11/23	

QC Summary Data

Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	9/12/2023 12:41:04PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2336061-BLK1)									Prepared: 09/06/23 Analyzed: 09/07/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.40*		*8.00*		*92.5*	*70-130*			
LCS (2336061-BS1)									Prepared: 09/06/23 Analyzed: 09/07/23
Benzene	4.12	0.0250	5.00		82.5	70-130			
Ethylbenzene	4.04	0.0250	5.00		80.8	70-130			
Toluene	4.17	0.0250	5.00		83.3	70-130			
o-Xylene	4.19	0.0250	5.00		83.8	70-130			
p,m-Xylene	8.38	0.0500	10.0		83.8	70-130			
Total Xylenes	12.6	0.0250	15.0		83.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.50*		*8.00*		*93.7*	*70-130*			
Matrix Spike (2336061-MS1)				**Source: E309035-01**					Prepared: 09/06/23 Analyzed: 09/07/23
Benzene	4.61	0.0250	5.00	ND	92.2	54-133			
Ethylbenzene	4.51	0.0250	5.00	ND	90.3	61-133			
Toluene	4.66	0.0250	5.00	ND	93.2	61-130			
o-Xylene	4.63	0.0250	5.00	ND	92.5	63-131			
p,m-Xylene	9.33	0.0500	10.0	ND	93.3	63-131			
Total Xylenes	14.0	0.0250	15.0	ND	93.1	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.64*		*8.00*		*95.5*	*70-130*			
Matrix Spike Dup (2336061-MSD1)				**Source: E309035-01**					Prepared: 09/06/23 Analyzed: 09/07/23
Benzene	4.38	0.0250	5.00	ND	87.6	54-133	5.06	20	
Ethylbenzene	4.31	0.0250	5.00	ND	86.2	61-133	4.60	20	
Toluene	4.44	0.0250	5.00	ND	88.8	61-130	4.92	20	
o-Xylene	4.41	0.0250	5.00	ND	88.1	63-131	4.87	20	
p,m-Xylene	8.92	0.0500	10.0	ND	89.2	63-131	4.48	20	
Total Xylenes	13.3	0.0250	15.0	ND	88.9	63-131	4.61	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.64*		*8.00*		*95.4*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	9/12/2023 12:41:04PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2336061-BLK1)									Prepared: 09/06/23 Analyzed: 09/07/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.89*		*8.00*		*86.1*	*70-130*			
LCS (2336061-BS2)									Prepared: 09/06/23 Analyzed: 09/07/23
Gasoline Range Organics (C6-C10)	41.2	20.0	50.0		82.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.00*		*8.00*		*87.5*	*70-130*			
Matrix Spike (2336061-MS2)				**Source: E309035-01**					Prepared: 09/06/23 Analyzed: 09/07/23
Gasoline Range Organics (C6-C10)	44.2	20.0	50.0	ND	88.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.91*		*8.00*		*86.3*	*70-130*			
Matrix Spike Dup (2336061-MSD2)				**Source: E309035-01**					Prepared: 09/06/23 Analyzed: 09/07/23
Gasoline Range Organics (C6-C10)	41.7	20.0	50.0	ND	83.5	70-130	5.66	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.84*		*8.00*		*85.5*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	9/12/2023 12:41:04PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2337002-BLK1)									Prepared: 09/11/23 Analyzed: 09/11/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.9*		*50.0*		*106*	*50-200*			
LCS (2337002-BS1)									Prepared: 09/11/23 Analyzed: 09/11/23
Diesel Range Organics (C10-C28)	248	25.0	250		99.1	38-132			
Surrogate: n-Nonane	*51.1*		*50.0*		*102*	*50-200*			
Matrix Spike (2337002-MS1)				**Source: E309032-01**					Prepared: 09/11/23 Analyzed: 09/11/23
Diesel Range Organics (C10-C28)	280	25.0	250	ND	112	38-132			
Surrogate: n-Nonane	*51.6*		*50.0*		*103*	*50-200*			
Matrix Spike Dup (2337002-MSD1)				**Source: E309032-01**					Prepared: 09/11/23 Analyzed: 09/11/23
Diesel Range Organics (C10-C28)	280	25.0	250	ND	112	38-132	0.0380	20	
Surrogate: n-Nonane	*54.8*		*50.0*		*110*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	9/12/2023 12:41:04PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2337009-BLK1)									Prepared: 09/11/23 Analyzed: 09/11/23
Chloride	ND	20.0							
LCS (2337009-BS1)									Prepared: 09/11/23 Analyzed: 09/11/23
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2337009-MS1)				**Source: E309035-01**					Prepared: 09/11/23 Analyzed: 09/11/23
Chloride	84300	2000	250	57200	NR	80-120			M4
Matrix Spike Dup (2337009-MSD1)				**Source: E309035-01**					Prepared: 09/11/23 Analyzed: 09/11/23
Chloride	82000	2000	250	57200	NR	80-120	2.76	20	M4

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	09/12/23 12:41

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

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

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

Project Information | Chain of Custody | Page 1 of 2

Client: Matador	Bill To	Lab Use Only	TAT / EPA Program
Project: Michael Ryan	Attention: Talon LPE	Lab WO# E309035	Job Number 23042-0001
Project Manager: C. Hensley	Address:	1D 2D 3D Standard: X	CWA / SDWA / RCRA: X
Address: 408 W. Texas	City, State, Zip	Analysis and Method	State: NM X, CO, UT, AZ, TX
City, State, Zip Artesia NM, 88210	Phone:		
Phone: 575-746-8768	Email:		
Email: nrose@talonLPE.com			
Report due by:			

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
0718	9-5-23	Soil	1	S-2 Surface	1	X	X	X			X			
0726				1'	2									
0729				2'	3									
0732				4'	4									
0745				S-3 Surface	5									
0759				1'	6									
0809				2'	7									
0821				4'	8									
0856				S-4 Surface	9									
0901				1'	10									

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9-5-23	1730		9-5-23	1730
	9-5-23	1800		9-5-23	1800
	9.6.23	2430		9/6/23	5:35

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

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

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

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

envirotech

Project Information | Chain of Custody | Page 2 of 2

Client: Matador	Bill To	Lab Use Only	TAT
Project: Michael Ryan	Attention: Talon LPE	Lab WO# E309035	Job Number 23042·0001
Project Manager: C. Hensley	Address:	1D 2D 3D Standard: X	EPA Program: CWA SDWA RCRA: X
Address: 408 W. Texas	City, State, Zip		
City, State, Zip Artesia NM 88210	Phone:		
Phone: 575-746-8768	Email:		
Email: nrose@talonLPE.com			
Report due by:			

State: NM X | CO | UT | AZ | TX

Analysis and Method: DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC - NM | TCEQ 1005- TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO	GRO/DRO	BTEX	VOC	Metals	Chloride	BGDOC	TCEQ	Remarks
0910	9-5-23	Soil	1	S-4 2'	11	X	X	X			X			
0914				4'	12									
0921				S-5 Surface	13									
0926				1'	14									
0935				2'	15									
0936				4'	16									

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9-5-23	1730	Michelle Cuyle	9-5-23	1730
Michelle Cuyle	9-5-23	1800	Andrew Masso	9.5.23	1800
Andrew Masso	9.6.23	2430	Caitlin Mann	9/6/23	5:35
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only: Received on ice: (Y) / N; T1 ____ T2 ____ T3 ____; AVG Temp °C 4

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

Envirotech Analytical Laboratory

Printed: 9/6/2023 7:47:42AM

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:	09/06/23 05:35	Work Order ID:	E309035
Phone:	(972) 371-5200	Date Logged In:	09/06/23 06:28	Logged In By:	Caitlin Mars
Email:		Due Date:	09/12/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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 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?	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 filteration 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.

Project Information | Chain of Custody | Page 1 of 2

Client: Matador	Bill To
Project: Michael Ryan	Attention: Talon CPE
Project Manager: C. Hensley	Address:
Address: 408 W. Texas	City, State, Zip
City, State, Zip Artesia NM, 88210	Phone:
Phone: 575-746-8768	Email:
Email: mrose@taloncpe.com	
Report due by:	

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E309035	23042-0001				X		
						X	RCRA

State					
NM	CO	UT	AZ	TX	
X					

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
0718	9-5-23	Soil	1	S-2	Surface	1	X	X	X			X			
0726				S-2	1'	2									
0729				S-2	2'	3									
0732				S-2	4'	4									
0745				S-3	Surface	5									
0759				S-3	1'	6									
0809				S-3	2'	7									
0821				S-3	4'	8									
0856				S-4	Surface	9									
0901	"	"	"	S-4	1'	10	"	"	"			"			

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9-5-23	1730		9-5-23	1730
	9-5-23	1800		9.5.23	1800
	9.6.23	2430		9/6/23	5:35

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

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

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

envirotech

Project Information | Chain of Custody | Page 2 of 2

Client: Matador	Bill To	Lab Use Only	TAT
Project: Michael Ryan	Attention: Talon LPE	Lab WO# E309035	Job Number 23042.0001
Project Manager: C. Hensley	Address:	1D 2D 3D Standard: X	EPA Program: CWA, SDWA, RCRA: X
Address: 408 W. Texas	City, State, Zip		State: NM X; CO; UT; AZ; TX
City, State, Zip Artesia NM 88210	Phone:		
Phone: 575-746-8768	Email:		
Email: mrose@talonLPE.com			
Report due by:			

Analysis and Method: DRO/ORO by 8015; GRO/DRO by 8015; BTEX by 8021; VOC by 8260; Metals 6010; Chloride 300.0; BGDOC - NM; TCEQ 1005- TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO	GRO/DRO	BTEX	VOC	Metals	Chloride	BGDOC	TCEQ	Remarks
0910	9-5-23	Soil	1	S-4 2'	11	X	X	X			X			Corrected sample names. 9/6/23 CM
0914				S-4 4'	12									
0921				S-5 surface	13									
0926				S-5 1'	14									
0935				S-5 2'	15									
0936				S-5 4'	16									

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9-5-23	1730	Michelle Gay	9-5-23	1730
Michelle Gay	9-5-23	1800	Andrew Moss	9.5.23	1800
Andrew Moss	9.6.23	2430	Caitlin Man	9/6/23	5:35
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only: Received on ice: (Y) / N; T1 ____ T2 ____ T3 ____; AVG Temp °C 4

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

Project Information | Chain of Custody | Page 1 of 2

Client: Matador	Bill To
Project: Michael Ryan FedCom 204	Attention: Talon CPE
Project Manager: C. Hensley	Address:
Address: 408 W. Texas	City, State, Zip
City, State, Zip Artesia NM, 88210	Phone:
Phone: 575-746-8768	Email:
Email: mrose@talonCPE.com	
Report due by:	

Lab Use Only: Lab WO# E309035 | Job Number 23042-0001

TAT: 1D | 2D | 3D | Standard X

EPA Program: CWA | SDWA | RCRA X

State: NM X | CO | UT | AZ | TX

Analysis and Method: DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC - NM | TCEQ 1005- TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	DRO/ORO	GRO/DRO	BTEX	VOC	Metals	Chloride	BGDOC	TCEQ	Remarks
0746	9-5-23	Soil	1	S-2	Surface	1	X	X	X			X			Corrected Project name per Chad. H 9/11/23 CM
0726				S-2	1'	2									
0729				S-2	2'	3									
0732				S-2	4'	4									
0745				S-3	Surface	5									
0759				S-3	1'	6									
0809				S-3	2'	7									
0821				S-3	4'	8									
0856				S-4	Surface	9									
0901				S-4	1'	10									

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9-5-23	1730		9-5-23	1730
	9-5-23	1800		9.5.23	1800
	9.6.23	2430		9/6/23	5:35

Lab Use Only: Received on ice: (Y) / N; T1 ____ T2 ____ T3 ____; AVG Temp °C 4

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

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

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

envirotech

Project Information | Chain of Custody | Page 2 of 2

Client: Matador	Bill To
Project: Michael Ryan Fed Com 204	Attention: Talon LPE
Project Manager: C. Hensley	Address:
Address: 408 W. Texas	City, State, Zip
City, State, Zip Artesia NM 88210	Phone:
Phone: 575-746-8768	Email:
Email: Mrose@talonLPE.com	
Report due by:	

Lab Use Only		TAT				EPA Program	
Lab WO# E309035	Job Number 23042-0001	1D	2D	3D	Standard	CWA	SDWA
					X		
						X	RCRA

State					
NM	CO	UT	AZ	TX	
X					

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
0910	9-5-23	Soil	1	S-4 2'	11	X	X	X			X			Corrected sample names. 9/6/23 CM
0914				S-4 4'	12									
0921				S-5 Surface	13									
0926				S-5 1'	14									
0935				S-5 2'	15									
0936				S-5 4'	16									

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9-5-23	1730	Michelle Gupta	9.5.23	1730
Michelle Gupta	9-5-23	1800	Andrew Misso	9.5.23	1800
Andrew Misso	9.6.23	2430	Caitlin Mann	9/6/23	5:35
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

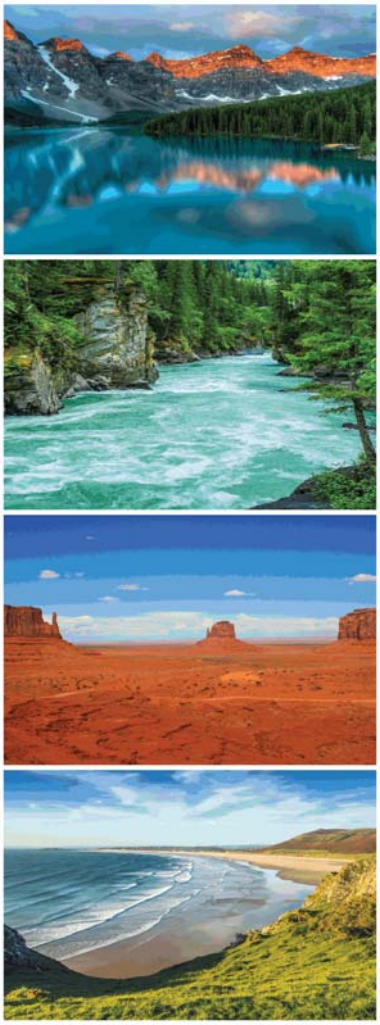
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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

Report to:

Chad Hensley



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Michael Ryan
Work Order:	E311200
Job Number:	23052-0001
Received:	11/27/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/1/23

Date Reported: 12/1/23

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

Project Name: Michael Ryan
Workorder: E311200
Date Received: 11/27/2023 7:30:00AM

Chad Hensley,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/27/2023 7:30:00AM, under the Project Name: Michael Ryan.

The analytical test results summarized in this report with the Project Name: Michael Ryan 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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Golzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Table of Contents (continued)

Sample Summary

Matador Resources, LLC.	Project Name:	Michael Ryan	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	12/01/23 12:38

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW-1	E311200-01A	Soil	11/22/23	11/27/23	Glass Jar, 2 oz.
SW-2	E311200-02A	Soil	11/22/23	11/27/23	Glass Jar, 2 oz.
SW-3	E311200-03A	Soil	11/22/23	11/27/23	Glass Jar, 2 oz.
SW-4	E311200-04A	Soil	11/22/23	11/27/23	Glass Jar, 2 oz.
C-1 4.5'	E311200-05A	Soil	11/22/23	11/27/23	Glass Jar, 2 oz.
C-2 4.5'	E311200-06A	Soil	11/22/23	11/27/23	Glass Jar, 2 oz.
C-3 4.5'	E311200-07A	Soil	11/22/23	11/27/23	Glass Jar, 2 oz.
C-4 4.5'	E311200-08A	Soil	11/22/23	11/27/23	Glass Jar, 2 oz.
C-5 4.5'	E311200-09A	Soil	11/22/23	11/27/23	Glass Jar, 2 oz.
C-6 4.5'	E311200-10A	Soil	11/22/23	11/27/23	Glass Jar, 2 oz.
C-7 4.5'	E311200-11A	Soil	11/22/23	11/27/23	Glass Jar, 2 oz.
C-8 4.5'	E311200-12A	Soil	11/22/23	11/27/23	Glass Jar, 2 oz.
C-9 4.5'	E311200-13A	Soil	11/22/23	11/27/23	Glass Jar, 2 oz.
C-10 4.5'	E311200-14A	Soil	11/22/23	11/27/23	Glass Jar, 2 oz.
C-11 4.5'	E311200-15A	Soil	11/22/23	11/27/23	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Michael Ryan	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	12/1/2023 12:38:25PM

SW-1

E311200-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2348022
Benzene	ND	0.0250	1	11/27/23	11/29/23	
Ethylbenzene	ND	0.0250	1	11/27/23	11/29/23	
Toluene	ND	0.0250	1	11/27/23	11/29/23	
o-Xylene	ND	0.0250	1	11/27/23	11/29/23	
p,m-Xylene	ND	0.0500	1	11/27/23	11/29/23	
Total Xylenes	ND	0.0250	1	11/27/23	11/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*91.5 %*	*70-130*	*11/27/23*	*11/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2348022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/23	11/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*11/27/23*	*11/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2348073
Diesel Range Organics (C10-C28)	ND	25.0	1	11/30/23	11/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/30/23	11/30/23	
Surrogate: n-Nonane		*95.5 %*	*50-200*	*11/30/23*	*11/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348080
Chloride	**406**	200	10	11/30/23	11/30/23	

Sample Data

Matador Resources, LLC.	Project Name:	Michael Ryan	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	12/1/2023 12:38:25PM

SW-2

E311200-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2348022
Benzene	ND	0.0250	1	11/27/23	11/29/23	
Ethylbenzene	ND	0.0250	1	11/27/23	11/29/23	
Toluene	ND	0.0250	1	11/27/23	11/29/23	
o-Xylene	ND	0.0250	1	11/27/23	11/29/23	
p,m-Xylene	ND	0.0500	1	11/27/23	11/29/23	
Total Xylenes	ND	0.0250	1	11/27/23	11/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*92.6 %*	*70-130*	*11/27/23*	*11/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2348022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/23	11/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*11/27/23*	*11/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2348073
Diesel Range Organics (C10-C28)	ND	25.0	1	11/30/23	11/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/30/23	11/30/23	
Surrogate: n-Nonane		*96.3 %*	*50-200*	*11/30/23*	*11/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348080
Chloride	**482**	200	10	11/30/23	11/30/23	

Sample Data

Matador Resources, LLC.	Project Name:	Michael Ryan	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	12/1/2023 12:38:25PM

SW-3

E311200-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2348022
Benzene	ND	0.0250	1	11/27/23	11/29/23	
Ethylbenzene	ND	0.0250	1	11/27/23	11/29/23	
Toluene	ND	0.0250	1	11/27/23	11/29/23	
o-Xylene	ND	0.0250	1	11/27/23	11/29/23	
p,m-Xylene	ND	0.0500	1	11/27/23	11/29/23	
Total Xylenes	ND	0.0250	1	11/27/23	11/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*92.7 %*	*70-130*	*11/27/23*	*11/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2348022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/23	11/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*11/27/23*	*11/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2348073
Diesel Range Organics (C10-C28)	ND	25.0	1	11/30/23	11/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/30/23	11/30/23	
Surrogate: n-Nonane		*95.7 %*	*50-200*	*11/30/23*	*11/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348080
Chloride	**572**	200	10	11/30/23	11/30/23	

Sample Data

Matador Resources, LLC.	Project Name:	Michael Ryan	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	12/1/2023 12:38:25PM

SW-4

E311200-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2348022
Benzene	ND	0.0250	1	11/27/23	11/29/23	
Ethylbenzene	ND	0.0250	1	11/27/23	11/29/23	
Toluene	ND	0.0250	1	11/27/23	11/29/23	
o-Xylene	ND	0.0250	1	11/27/23	11/29/23	
p,m-Xylene	ND	0.0500	1	11/27/23	11/29/23	
Total Xylenes	ND	0.0250	1	11/27/23	11/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*91.9 %*	*70-130*	*11/27/23*	*11/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2348022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/23	11/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*11/27/23*	*11/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2348073
Diesel Range Organics (C10-C28)	ND	25.0	1	11/30/23	11/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/30/23	11/30/23	
Surrogate: n-Nonane		*94.4 %*	*50-200*	*11/30/23*	*11/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348080
Chloride	ND	200	10	11/30/23	12/01/23	

Sample Data

Matador Resources, LLC.	Project Name:	Michael Ryan	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	12/1/2023 12:38:25PM

C-1 4.5'

E311200-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2348022
Benzene	ND	0.0250	1	11/27/23	11/29/23	
Ethylbenzene	ND	0.0250	1	11/27/23	11/29/23	
Toluene	ND	0.0250	1	11/27/23	11/29/23	
o-Xylene	ND	0.0250	1	11/27/23	11/29/23	
p,m-Xylene	ND	0.0500	1	11/27/23	11/29/23	
Total Xylenes	ND	0.0250	1	11/27/23	11/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*92.4 %*	*70-130*	*11/27/23*	*11/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2348022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/23	11/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.6 %*	*70-130*	*11/27/23*	*11/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2348073
Diesel Range Organics (C10-C28)	ND	25.0	1	11/30/23	11/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/30/23	11/30/23	
Surrogate: n-Nonane		*95.8 %*	*50-200*	*11/30/23*	*11/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348080
Chloride	**213**	200	10	11/30/23	12/01/23	

Sample Data

Matador Resources, LLC.	Project Name:	Michael Ryan	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	12/1/2023 12:38:25PM

C-2 4.5'

E311200-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2348022
Benzene	ND	0.0250	1	11/27/23	11/29/23	
Ethylbenzene	ND	0.0250	1	11/27/23	11/29/23	
Toluene	ND	0.0250	1	11/27/23	11/29/23	
o-Xylene	ND	0.0250	1	11/27/23	11/29/23	
p,m-Xylene	ND	0.0500	1	11/27/23	11/29/23	
Total Xylenes	ND	0.0250	1	11/27/23	11/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*92.0 %*	*70-130*	*11/27/23*	*11/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2348022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/23	11/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*11/27/23*	*11/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2348073
Diesel Range Organics (C10-C28)	ND	25.0	1	11/30/23	11/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/30/23	11/30/23	
Surrogate: n-Nonane		*103 %*	*50-200*	*11/30/23*	*11/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348080
Chloride	ND	200	10	11/30/23	12/01/23	

Sample Data

Matador Resources, LLC.	Project Name:	Michael Ryan	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	12/1/2023 12:38:25PM

C-3 4.5'

E311200-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2348022
Benzene	ND	0.0250	1	11/27/23	11/29/23	
Ethylbenzene	ND	0.0250	1	11/27/23	11/29/23	
Toluene	ND	0.0250	1	11/27/23	11/29/23	
o-Xylene	ND	0.0250	1	11/27/23	11/29/23	
p,m-Xylene	ND	0.0500	1	11/27/23	11/29/23	
Total Xylenes	ND	0.0250	1	11/27/23	11/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*91.7 %*	*70-130*	*11/27/23*	*11/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2348022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/23	11/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*11/27/23*	*11/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2348073
Diesel Range Organics (C10-C28)	ND	25.0	1	11/30/23	11/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/30/23	11/30/23	
Surrogate: n-Nonane		*98.1 %*	*50-200*	*11/30/23*	*11/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348080
Chloride	ND	200	10	11/30/23	12/01/23	

Sample Data

Matador Resources, LLC.	Project Name:	Michael Ryan	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	12/1/2023 12:38:25PM

C-4 4.5'

E311200-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2348022
Benzene	ND	0.0250	1	11/27/23	11/29/23	
Ethylbenzene	ND	0.0250	1	11/27/23	11/29/23	
Toluene	ND	0.0250	1	11/27/23	11/29/23	
o-Xylene	ND	0.0250	1	11/27/23	11/29/23	
p,m-Xylene	ND	0.0500	1	11/27/23	11/29/23	
Total Xylenes	ND	0.0250	1	11/27/23	11/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*92.2 %*	*70-130*	*11/27/23*	*11/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2348022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/23	11/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*11/27/23*	*11/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2348073
Diesel Range Organics (C10-C28)	ND	25.0	1	11/30/23	11/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/30/23	11/30/23	
Surrogate: n-Nonane		*97.5 %*	*50-200*	*11/30/23*	*11/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348080
Chloride	ND	200	10	11/30/23	12/01/23	

Sample Data

Matador Resources, LLC.	Project Name:	Michael Ryan	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	12/1/2023 12:38:25PM

C-5 4.5'

E311200-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2348022
Benzene	ND	0.0250	1	11/27/23	11/29/23	
Ethylbenzene	ND	0.0250	1	11/27/23	11/29/23	
Toluene	ND	0.0250	1	11/27/23	11/29/23	
o-Xylene	ND	0.0250	1	11/27/23	11/29/23	
p,m-Xylene	ND	0.0500	1	11/27/23	11/29/23	
Total Xylenes	ND	0.0250	1	11/27/23	11/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*91.6 %*	*70-130*	*11/27/23*	*11/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2348022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/23	11/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.5 %*	*70-130*	*11/27/23*	*11/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2348073
Diesel Range Organics (C10-C28)	ND	25.0	1	11/30/23	12/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/30/23	12/01/23	
Surrogate: n-Nonane		*95.6 %*	*50-200*	*11/30/23*	*12/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348080
Chloride	ND	200	10	11/30/23	12/01/23	

Sample Data

Matador Resources, LLC.	Project Name:	Michael Ryan	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	12/1/2023 12:38:25PM

C-6 4.5'

E311200-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2348022
Benzene	ND	0.0250	1	11/27/23	11/29/23	
Ethylbenzene	ND	0.0250	1	11/27/23	11/29/23	
Toluene	ND	0.0250	1	11/27/23	11/29/23	
o-Xylene	ND	0.0250	1	11/27/23	11/29/23	
p,m-Xylene	ND	0.0500	1	11/27/23	11/29/23	
Total Xylenes	ND	0.0250	1	11/27/23	11/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*92.5 %*	*70-130*	*11/27/23*	*11/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2348022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/23	11/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*11/27/23*	*11/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2348073
Diesel Range Organics (C10-C28)	ND	25.0	1	11/30/23	12/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/30/23	12/01/23	
Surrogate: n-Nonane		*92.3 %*	*50-200*	*11/30/23*	*12/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348080
Chloride	**238**	200	10	11/30/23	12/01/23	

Sample Data

Matador Resources, LLC.	Project Name:	Michael Ryan	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	12/1/2023 12:38:25PM

C-7 4.5'

E311200-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2348022
Benzene	ND	0.0250	1	11/27/23	11/29/23	
Ethylbenzene	ND	0.0250	1	11/27/23	11/29/23	
Toluene	ND	0.0250	1	11/27/23	11/29/23	
o-Xylene	ND	0.0250	1	11/27/23	11/29/23	
p,m-Xylene	ND	0.0500	1	11/27/23	11/29/23	
Total Xylenes	ND	0.0250	1	11/27/23	11/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*92.2 %*	*70-130*	*11/27/23*	*11/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2348022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/23	11/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*11/27/23*	*11/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2348073
Diesel Range Organics (C10-C28)	ND	25.0	1	11/30/23	12/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/30/23	12/01/23	
Surrogate: n-Nonane		*97.5 %*	*50-200*	*11/30/23*	*12/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348080
Chloride	**227**	200	10	11/30/23	12/01/23	

Sample Data

Matador Resources, LLC.	Project Name:	Michael Ryan	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	12/1/2023 12:38:25PM

C-8 4.5'

E311200-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2348022
Benzene	ND	0.0250	1	11/27/23	11/29/23	
Ethylbenzene	ND	0.0250	1	11/27/23	11/29/23	
Toluene	ND	0.0250	1	11/27/23	11/29/23	
o-Xylene	ND	0.0250	1	11/27/23	11/29/23	
p,m-Xylene	ND	0.0500	1	11/27/23	11/29/23	
Total Xylenes	ND	0.0250	1	11/27/23	11/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*91.0 %*	*70-130*	*11/27/23*	*11/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2348022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/23	11/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*11/27/23*	*11/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2348073
Diesel Range Organics (C10-C28)	ND	25.0	1	11/30/23	12/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/30/23	12/01/23	
Surrogate: n-Nonane		*95.5 %*	*50-200*	*11/30/23*	*12/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348080
Chloride	**201**	200	10	11/30/23	12/01/23	

Sample Data

Matador Resources, LLC.	Project Name:	Michael Ryan	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	12/1/2023 12:38:25PM

C-9 4.5'

E311200-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2348022
Benzene	ND	0.0250	1	11/27/23	11/29/23	
Ethylbenzene	ND	0.0250	1	11/27/23	11/29/23	
Toluene	ND	0.0250	1	11/27/23	11/29/23	
o-Xylene	ND	0.0250	1	11/27/23	11/29/23	
p,m-Xylene	ND	0.0500	1	11/27/23	11/29/23	
Total Xylenes	ND	0.0250	1	11/27/23	11/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*92.2 %*	*70-130*	*11/27/23*	*11/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2348022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/23	11/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.7 %*	*70-130*	*11/27/23*	*11/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2348073
Diesel Range Organics (C10-C28)	ND	25.0	1	11/30/23	12/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/30/23	12/01/23	
Surrogate: n-Nonane		*93.5 %*	*50-200*	*11/30/23*	*12/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348080
Chloride	ND	200	10	11/30/23	12/01/23	

Sample Data

Matador Resources, LLC.	Project Name:	Michael Ryan	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	12/1/2023 12:38:25PM

C-10 4.5'

E311200-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2348022
Benzene	ND	0.0250	1	11/27/23	11/29/23	
Ethylbenzene	ND	0.0250	1	11/27/23	11/29/23	
Toluene	ND	0.0250	1	11/27/23	11/29/23	
o-Xylene	ND	0.0250	1	11/27/23	11/29/23	
p,m-Xylene	ND	0.0500	1	11/27/23	11/29/23	
Total Xylenes	ND	0.0250	1	11/27/23	11/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*92.9 %*	*70-130*	*11/27/23*	*11/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2348022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/23	11/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*11/27/23*	*11/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2348073
Diesel Range Organics (C10-C28)	ND	25.0	1	11/30/23	12/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/30/23	12/01/23	
Surrogate: n-Nonane		*93.9 %*	*50-200*	*11/30/23*	*12/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348080
Chloride	ND	200	10	11/30/23	12/01/23	

Sample Data

Matador Resources, LLC.	Project Name:	Michael Ryan	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	12/1/2023 12:38:25PM

C-11 4.5'

E311200-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2348022
Benzene	ND	0.0250	1	11/27/23	11/29/23	
Ethylbenzene	ND	0.0250	1	11/27/23	11/29/23	
Toluene	ND	0.0250	1	11/27/23	11/29/23	
o-Xylene	ND	0.0250	1	11/27/23	11/29/23	
p,m-Xylene	ND	0.0500	1	11/27/23	11/29/23	
Total Xylenes	ND	0.0250	1	11/27/23	11/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*92.8 %*	*70-130*	*11/27/23*	*11/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2348022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/23	11/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*11/27/23*	*11/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2348073
Diesel Range Organics (C10-C28)	ND	25.0	1	11/30/23	12/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/30/23	12/01/23	
Surrogate: n-Nonane		*89.8 %*	*50-200*	*11/30/23*	*12/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348080
Chloride	**305**	200	10	11/30/23	12/01/23	

QC Summary Data

Matador Resources, LLC.	Project Name:	Michael Ryan	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	12/1/2023 12:38:25PM

Volatile Organics by EPA 8021B

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 (2348022-BLK1)									Prepared: 11/27/23 Analyzed: 11/27/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.40*		*8.00*		*92.5*	*70-130*			
LCS (2348022-BS1)									Prepared: 11/27/23 Analyzed: 11/27/23
Benzene	5.56	0.0250	5.00		111	70-130			
Ethylbenzene	5.47	0.0250	5.00		109	70-130			
Toluene	5.53	0.0250	5.00		111	70-130			
o-Xylene	5.46	0.0250	5.00		109	70-130			
p,m-Xylene	11.1	0.0500	10.0		111	70-130			
Total Xylenes	16.6	0.0250	15.0		111	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.43*		*8.00*		*92.8*	*70-130*			
Matrix Spike (2348022-MS1)				**Source: E311192-01**					Prepared: 11/27/23 Analyzed: 11/27/23
Benzene	5.04	0.0250	5.00	ND	101	54-133			
Ethylbenzene	4.96	0.0250	5.00	ND	99.2	61-133			
Toluene	5.02	0.0250	5.00	ND	100	61-130			
o-Xylene	4.94	0.0250	5.00	ND	98.9	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	100	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.42*		*8.00*		*92.7*	*70-130*			
Matrix Spike Dup (2348022-MSD1)				**Source: E311192-01**					Prepared: 11/27/23 Analyzed: 11/27/23
Benzene	5.07	0.0250	5.00	ND	101	54-133	0.572	20	
Ethylbenzene	5.01	0.0250	5.00	ND	100	61-133	0.943	20	
Toluene	5.05	0.0250	5.00	ND	101	61-130	0.629	20	
o-Xylene	4.99	0.0250	5.00	ND	99.7	63-131	0.838	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	0.929	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	0.899	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.48*		*8.00*		*93.4*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Michael Ryan	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	12/1/2023 12:38:25PM

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 (2348022-BLK1)									Prepared: 11/27/23 Analyzed: 11/27/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.86*		*8.00*		*98.3*	*70-130*			
LCS (2348022-BS2)									Prepared: 11/27/23 Analyzed: 11/27/23
Gasoline Range Organics (C6-C10)	56.9	20.0	50.0		114	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.07*		*8.00*		*101*	*70-130*			
Matrix Spike (2348022-MS2)				**Source: E311192-01**					Prepared: 11/27/23 Analyzed: 11/27/23
Gasoline Range Organics (C6-C10)	55.1	20.0	50.0	ND	110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.24*		*8.00*		*103*	*70-130*			
Matrix Spike Dup (2348022-MSD2)				**Source: E311192-01**					Prepared: 11/27/23 Analyzed: 11/27/23
Gasoline Range Organics (C6-C10)	55.1	20.0	50.0	ND	110	70-130	0.0655	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.90*		*8.00*		*98.7*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Michael Ryan	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	12/1/2023 12:38:25PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2348073-BLK1)									Prepared: 11/30/23 Analyzed: 11/30/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.7*		*50.0*		*99.4*	*50-200*			
LCS (2348073-BS1)									Prepared: 11/30/23 Analyzed: 11/30/23
Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
Surrogate: n-Nonane	*50.0*		*50.0*		*100*	*50-200*			
Matrix Spike (2348073-MS1)				**Source: E311200-04**					Prepared: 11/30/23 Analyzed: 11/30/23
Diesel Range Organics (C10-C28)	266	25.0	250	ND	106	38-132			
Surrogate: n-Nonane	*49.0*		*50.0*		*98.1*	*50-200*			
Matrix Spike Dup (2348073-MSD1)				**Source: E311200-04**					Prepared: 11/30/23 Analyzed: 11/30/23
Diesel Range Organics (C10-C28)	256	25.0	250	ND	102	38-132	3.97	20	
Surrogate: n-Nonane	*48.5*		*50.0*		*97.0*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Michael Ryan	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	12/1/2023 12:38:25PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2348080-BLK1)									Prepared: 11/30/23 Analyzed: 11/30/23
Chloride	ND	20.0							
LCS (2348080-BS1)									Prepared: 11/30/23 Analyzed: 11/30/23
Chloride	248	20.0	250		99.3	90-110			
Matrix Spike (2348080-MS1)				**Source: E311200-03**					Prepared: 11/30/23 Analyzed: 11/30/23
Chloride	824	200	250	572	101	80-120			
Matrix Spike Dup (2348080-MSD1)				**Source: E311200-03**					Prepared: 11/30/23 Analyzed: 11/30/23
Chloride	844	200	250	572	109	80-120	2.39	20	

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Michael Ryan	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	12/01/23 12:38

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Project Information

Chain of Custody

Client: Matador
Project: M. Cheal Ryan
Project Manager: C. Hensley
Address: 408 W. Texas
City, State, Zip Artesia, NM, 88210
Phone: 575-746-8768
Email: nrose@talon-lpe.com
Report due by:

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

Lab Use Only
Lab WO# E311200
Job Number 23052-0001

TAT: 1D | 2D | 3D | Standard (X)

EPA Program: CWA | SDWA | RCRA (X)

State: NM (X) | CO | UT | AZ | TX

Analysis and Method: DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC - NM | TCEQ 1005- TX

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
931	11-22-23	So:1	1	SW-1	1	X	X	X			X			
0936				2	2									
0938				3	3									
0942				4	4									
0944				C-1 3.5'	5									
0947				2 3.5'	6									
0951				3 3.5'	7									
0954				4 4'	8									
0958				5 3.5'	9									
0959				6 3.5'	10									

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11-22-23	920		11.22.23	920
	11.22.23	1630	Montano	11/27/23	7:30

Lab Use Only
Received on ice: Y / N
T1 T2 T3
AVG Temp °C 4

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

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

envirotech

Project Information

Chain of Custody

Client: Matador
Project: Michael Ryan
Project Manager: C. Hensley
Address: 408 W Texas
City, State, Zip Artesia, NM, 88210
Phone: 575-746-8768
Email: Arose@TalonLPE.com
Report due by:

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

Lab Use Only
Lab WO# E311200
Job Number 23052-0001

TAT: 1D | 2D | 3D | Standard (X)

EPA Program: CWA | SDWA | RCRA (X)

State: NM (X) | CO | UT | AZ | TX

Analysis and Method

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
1002	11-22-23	Soil	1	C-7 3.5	11	X	X	X			X			
1010				C-8	12									
1013				C-9	13									
1019				C-10 4'	14									
1021				C-11 4'	15						+			

Additional Instructions:

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11-22-23	920		11.22.23	920
	11.22.23	1630		11/27/23	7:30

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

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

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: Y / N
T1 T2 T3
AVG Temp °C 4

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

Envirotech Analytical Laboratory

Printed: 11/27/2023 11:46:10AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	11/27/23 07:30	Work Order ID:	E311200
Phone:	(972) 371-5200	Date Logged In:	11/27/23 11:40	Logged In By:	Jordan Montano
Email:		Due Date:	12/01/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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 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?	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 filteration 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.

Project Information | Chain of Custody | Page 1 of 2

Client:	Matador
Project:	Mitchell Ryan
Project Manager:	C. Hensley
Address:	408 W. Texas
City, State, Zip	Artesia, NM, 88210
Phone:	575-746-8768
Email:	rrose@talonlpe.com
Report due by:	

Bill To

Attention:	Matador
Address:	
City, State, Zip	
Phone:	
Email:	

Lab Use Only

Lab WO#	Job Number
E311200	23052-0001

TAT: 1D | 2D | 3D | Standard: X

EPA Program: CWA | SDWA | RCRA: X

State: NM: X | CO | UT | AZ | TX

Analysis and Method

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
931	11-22-23	Soil	1	SW-1	1	X	X	X			X			
0936				2	2									
0938				3	3									
0942				4	4									
0944				C-1 3.5'	5									Sample depth changed to 4.5' on samples 5-15 per Nate 11/27/23
0947				2 3.5'	6									
0951				3 3.5'	7									
0954				4 4'	8									
0958				5 3.5'	9									
0959				6 3.5'	10									

4.5'

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11-22-23	920		11.22.23	920
	11.22.23	1630	Montano	11/27/23	7:30

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

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

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

envirotech

Project Information | Chain of Custody | Page 2 of 2

Client:	Matador
Project:	Micheal Ryan
Project Manager:	C. Hensley
Address:	408 W Texas
City, State, Zip	Artesia, NM, 88210
Phone:	575-746-8768
Email:	Trose@TalonLPE.com
Report due by:	

Bill To

Attention:	Matador
Address:	
City, State, Zip	
Phone:	
Email:	

Lab Use Only

Lab WO#	Job Number
EB11200	23052-0001

TAT: 1D | 2D | 3D | Standard: X

EPA Program: CWA | SDWA | RCRA: X

State: NM: X | CO | UT | AZ | TX

Analysis and Method

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
1002	11-22-23	Soil	1	C-7 3.5 4.5'	11	X	X	X			X			
1010				C-8	12									
1013				C-9	13									
1019				C-10 4'	14									
1021				C-11 4'	15									

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11-22-23	920		11.22.23	920
	11.22.23	1630		11/27/23	7:30

Lab Use Only
Received on ice: Y / N
T1 T2 T3
AVG Temp °C 4

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

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

envirotech

Report to:

Chad Hensley

5796 U.S. Hwy 64
Farmington, NM 87401

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

NELAP ACCREDITED TNI LABORATORY

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Talon LPE

Project Name:	Michael Ryan
Work Order:	E311222
Job Number:	23052-0001
Received:	11/29/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/5/23

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

Date Reported: 12/5/23

Chad Hensley
408 W Texas Ave
Artesia, NM 88210

Project Name: Michael Ryan
Workorder: E311222
Date Received: 11/29/2023 8:30:00AM

Chad Hensley,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/29/2023 8:30:00AM, under the Project Name: Michael Ryan.

The analytical test results summarized in this report with the Project Name: Michael Ryan 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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Golzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Table of Contents (continued)

Sample Summary

Talon LPE	Project Name:	Michael Ryan	**Reported:**
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	12/05/23 16:25

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
C-12 4.5'	E311222-01A	Soil	11/22/23	11/29/23	Glass Jar, 2 oz.
C-13 4.5'	E311222-02A	Soil	11/22/23	11/29/23	Glass Jar, 2 oz.
C-14 4.5'	E311222-03A	Soil	11/22/23	11/29/23	Glass Jar, 2 oz.
C-15 4.5'	E311222-04A	Soil	11/22/23	11/29/23	Glass Jar, 2 oz.
C-16 4.5'	E311222-05A	Soil	11/22/23	11/29/23	Glass Jar, 2 oz.
C-17 4.5'	E311222-06A	Soil	11/22/23	11/29/23	Glass Jar, 2 oz.
C-18 4.5'	E311222-07A	Soil	11/22/23	11/29/23	Glass Jar, 2 oz.
C-19 4.5'	E311222-08A	Soil	11/22/23	11/29/23	Glass Jar, 2 oz.
C-20 4.5'	E311222-09A	Soil	11/22/23	11/29/23	Glass Jar, 2 oz.
C-21 4.5'	E311222-10A	Soil	11/22/23	11/29/23	Glass Jar, 2 oz.
C-22 4.5'	E311222-11A	Soil	11/22/23	11/29/23	Glass Jar, 2 oz.
C-23 4.5'	E311222-12A	Soil	11/22/23	11/29/23	Glass Jar, 2 oz.
C-24 4.5'	E311222-13A	Soil	11/22/23	11/29/23	Glass Jar, 2 oz.
SW-5	E311222-14A	Soil	11/22/23	11/29/23	Glass Jar, 2 oz.
SW-6	E311222-15A	Soil	11/22/23	11/29/23	Glass Jar, 2 oz.

Sample Data

Talon LPE	Project Name:	Michael Ryan	
408 W Texas Ave	Project Number:	23052-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	12/5/2023 4:25:04PM

C-12 4.5'

E311222-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2348068
Benzene	ND	0.0250	1	11/29/23	11/30/23	
Ethylbenzene	ND	0.0250	1	11/29/23	11/30/23	
Toluene	ND	0.0250	1	11/29/23	11/30/23	
o-Xylene	ND	0.0250	1	11/29/23	11/30/23	
p,m-Xylene	ND	0.0500	1	11/29/23	11/30/23	
Total Xylenes	ND	0.0250	1	11/29/23	11/30/23	
Surrogate: Bromofluorobenzene		*99.7 %*	*70-130*	*11/29/23*	*11/30/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*11/29/23*	*11/30/23*	
Surrogate: Toluene-d8		*94.5 %*	*70-130*	*11/29/23*	*11/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2348068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/23	11/30/23	
Surrogate: Bromofluorobenzene		*99.7 %*	*70-130*	*11/29/23*	*11/30/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*11/29/23*	*11/30/23*	
Surrogate: Toluene-d8		*94.5 %*	*70-130*	*11/29/23*	*11/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2348101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/23	12/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/01/23	12/01/23	
Surrogate: n-Nonane		*102 %*	*50-200*	*12/01/23*	*12/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348103
Chloride	**271**	200	10	12/01/23	12/01/23	

Sample Data

Talon LPE	Project Name:	Michael Ryan	
408 W Texas Ave	Project Number:	23052-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	12/5/2023 4:25:04PM

C-13 4.5'

E311222-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2348068
Benzene	ND	0.0250	1	11/29/23	12/01/23	
Ethylbenzene	ND	0.0250	1	11/29/23	12/01/23	
Toluene	ND	0.0250	1	11/29/23	12/01/23	
o-Xylene	ND	0.0250	1	11/29/23	12/01/23	
p,m-Xylene	ND	0.0500	1	11/29/23	12/01/23	
Total Xylenes	ND	0.0250	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: Toluene-d8		*95.8 %*	*70-130*	*11/29/23*	*12/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2348068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: Toluene-d8		*95.8 %*	*70-130*	*11/29/23*	*12/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2348101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/23	12/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/01/23	12/01/23	
Surrogate: n-Nonane		*95.2 %*	*50-200*	*12/01/23*	*12/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348103
Chloride	**243**	200	10	12/01/23	12/01/23	

Sample Data

Talon LPE	Project Name:	Michael Ryan	
408 W Texas Ave	Project Number:	23052-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	12/5/2023 4:25:04PM

C-14 4.5'

E311222-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2348068
Benzene	ND	0.0250	1	11/29/23	12/01/23	
Ethylbenzene	ND	0.0250	1	11/29/23	12/01/23	
Toluene	ND	0.0250	1	11/29/23	12/01/23	
o-Xylene	ND	0.0250	1	11/29/23	12/01/23	
p,m-Xylene	ND	0.0500	1	11/29/23	12/01/23	
Total Xylenes	ND	0.0250	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		*99.4 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: Toluene-d8		*94.6 %*	*70-130*	*11/29/23*	*12/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2348068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		*99.4 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: Toluene-d8		*94.6 %*	*70-130*	*11/29/23*	*12/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2348101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/23	12/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/01/23	12/01/23	
Surrogate: n-Nonane		*95.5 %*	*50-200*	*12/01/23*	*12/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348103
Chloride	**263**	200	10	12/01/23	12/01/23	

Sample Data

Talon LPE	Project Name:	Michael Ryan	
408 W Texas Ave	Project Number:	23052-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	12/5/2023 4:25:04PM

C-15 4.5'

E311222-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2348068
Benzene	ND	0.0250	1	11/29/23	12/01/23	
Ethylbenzene	ND	0.0250	1	11/29/23	12/01/23	
Toluene	ND	0.0250	1	11/29/23	12/01/23	
o-Xylene	ND	0.0250	1	11/29/23	12/01/23	
p,m-Xylene	ND	0.0500	1	11/29/23	12/01/23	
Total Xylenes	ND	0.0250	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		*99.9 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: Toluene-d8		*95.3 %*	*70-130*	*11/29/23*	*12/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2348068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		*99.9 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: Toluene-d8		*95.3 %*	*70-130*	*11/29/23*	*12/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2348101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/23	12/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/01/23	12/01/23	
Surrogate: n-Nonane		*95.6 %*	*50-200*	*12/01/23*	*12/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348103
Chloride	ND	200	10	12/01/23	12/01/23	

Sample Data

Talon LPE	Project Name:	Michael Ryan	
408 W Texas Ave	Project Number:	23052-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	12/5/2023 4:25:04PM

C-16 4.5'

E311222-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2348068
Benzene	ND	0.0250	1	11/29/23	12/01/23	
Ethylbenzene	ND	0.0250	1	11/29/23	12/01/23	
Toluene	ND	0.0250	1	11/29/23	12/01/23	
o-Xylene	ND	0.0250	1	11/29/23	12/01/23	
p,m-Xylene	ND	0.0500	1	11/29/23	12/01/23	
Total Xylenes	ND	0.0250	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		*99.4 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: Toluene-d8		*95.5 %*	*70-130*	*11/29/23*	*12/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2348068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		*99.4 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: Toluene-d8		*95.5 %*	*70-130*	*11/29/23*	*12/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2348101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/23	12/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/01/23	12/01/23	
Surrogate: n-Nonane		*97.8 %*	*50-200*	*12/01/23*	*12/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348103
Chloride	**215**	200	10	12/01/23	12/01/23	

Sample Data

Talon LPE	Project Name:	Michael Ryan	
408 W Texas Ave	Project Number:	23052-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	12/5/2023 4:25:04PM

C-17 4.5'

E311222-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2348068
Benzene	ND	0.0250	1	11/29/23	12/01/23	
Ethylbenzene	ND	0.0250	1	11/29/23	12/01/23	
Toluene	ND	0.0250	1	11/29/23	12/01/23	
o-Xylene	ND	0.0250	1	11/29/23	12/01/23	
p,m-Xylene	ND	0.0500	1	11/29/23	12/01/23	
Total Xylenes	ND	0.0250	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		*99.8 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: Toluene-d8		*95.7 %*	*70-130*	*11/29/23*	*12/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2348068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		*99.8 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: Toluene-d8		*95.7 %*	*70-130*	*11/29/23*	*12/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2348101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/23	12/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/01/23	12/01/23	
Surrogate: n-Nonane		*97.4 %*	*50-200*	*12/01/23*	*12/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348103
Chloride	ND	200	10	12/01/23	12/01/23	

Sample Data

Talon LPE	Project Name:	Michael Ryan	
408 W Texas Ave	Project Number:	23052-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	12/5/2023 4:25:04PM

C-18 4.5'

E311222-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2348068
Benzene	ND	0.0250	1	11/29/23	11/30/23	
Ethylbenzene	ND	0.0250	1	11/29/23	11/30/23	
Toluene	ND	0.0250	1	11/29/23	11/30/23	
o-Xylene	ND	0.0250	1	11/29/23	11/30/23	
p,m-Xylene	ND	0.0500	1	11/29/23	11/30/23	
Total Xylenes	ND	0.0250	1	11/29/23	11/30/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*11/29/23*	*11/30/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*11/29/23*	*11/30/23*	
Surrogate: Toluene-d8		*94.6 %*	*70-130*	*11/29/23*	*11/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2348068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/23	11/30/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*11/29/23*	*11/30/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*11/29/23*	*11/30/23*	
Surrogate: Toluene-d8		*94.6 %*	*70-130*	*11/29/23*	*11/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2348101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/23	12/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/01/23	12/01/23	
Surrogate: n-Nonane		*93.5 %*	*50-200*	*12/01/23*	*12/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348103
Chloride	ND	200	10	12/01/23	12/01/23	

Sample Data

Talon LPE	Project Name:	Michael Ryan	
408 W Texas Ave	Project Number:	23052-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	12/5/2023 4:25:04PM

C-19 4.5'

E311222-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2348068
Benzene	ND	0.0250	1	11/29/23	12/01/23	
Ethylbenzene	ND	0.0250	1	11/29/23	12/01/23	
Toluene	ND	0.0250	1	11/29/23	12/01/23	
o-Xylene	ND	0.0250	1	11/29/23	12/01/23	
p,m-Xylene	ND	0.0500	1	11/29/23	12/01/23	
Total Xylenes	ND	0.0250	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		*98.7 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: Toluene-d8		*94.9 %*	*70-130*	*11/29/23*	*12/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2348068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		*98.7 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: Toluene-d8		*94.9 %*	*70-130*	*11/29/23*	*12/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2348101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/23	12/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/01/23	12/01/23	
Surrogate: n-Nonane		*90.9 %*	*50-200*	*12/01/23*	*12/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348103
Chloride	ND	200	10	12/01/23	12/01/23	

Sample Data

Talon LPE	Project Name:	Michael Ryan	
408 W Texas Ave	Project Number:	23052-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	12/5/2023 4:25:04PM

C-20 4.5'

E311222-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2348068
Benzene	ND	0.0250	1	11/29/23	12/01/23	
Ethylbenzene	ND	0.0250	1	11/29/23	12/01/23	
Toluene	ND	0.0250	1	11/29/23	12/01/23	
o-Xylene	ND	0.0250	1	11/29/23	12/01/23	
p,m-Xylene	ND	0.0500	1	11/29/23	12/01/23	
Total Xylenes	ND	0.0250	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		*99.5 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: Toluene-d8		*94.6 %*	*70-130*	*11/29/23*	*12/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2348068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		*99.5 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: Toluene-d8		*94.6 %*	*70-130*	*11/29/23*	*12/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2348101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/23	12/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/01/23	12/01/23	
Surrogate: n-Nonane		*92.6 %*	*50-200*	*12/01/23*	*12/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348103
Chloride	ND	200	10	12/01/23	12/01/23	

Sample Data

Talon LPE	Project Name:	Michael Ryan	
408 W Texas Ave	Project Number:	23052-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	12/5/2023 4:25:04PM

C-21 4.5'

E311222-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2348068
Benzene	ND	0.0250	1	11/29/23	12/01/23	
Ethylbenzene	ND	0.0250	1	11/29/23	12/01/23	
Toluene	ND	0.0250	1	11/29/23	12/01/23	
o-Xylene	ND	0.0250	1	11/29/23	12/01/23	
p,m-Xylene	ND	0.0500	1	11/29/23	12/01/23	
Total Xylenes	ND	0.0250	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		*98.1 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: Toluene-d8		*95.8 %*	*70-130*	*11/29/23*	*12/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2348068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		*98.1 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: Toluene-d8		*95.8 %*	*70-130*	*11/29/23*	*12/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2348101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/23	12/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/01/23	12/01/23	
Surrogate: n-Nonane		*93.4 %*	*50-200*	*12/01/23*	*12/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348103
Chloride	**281**	200	10	12/01/23	12/01/23	

Sample Data

Talon LPE	Project Name:	Michael Ryan	
408 W Texas Ave	Project Number:	23052-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	12/5/2023 4:25:04PM

C-22 4.5'

E311222-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2348068
Benzene	ND	0.0250	1	11/29/23	12/01/23	
Ethylbenzene	ND	0.0250	1	11/29/23	12/01/23	
Toluene	ND	0.0250	1	11/29/23	12/01/23	
o-Xylene	ND	0.0250	1	11/29/23	12/01/23	
p,m-Xylene	ND	0.0500	1	11/29/23	12/01/23	
Total Xylenes	ND	0.0250	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		*98.4 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: Toluene-d8		*95.8 %*	*70-130*	*11/29/23*	*12/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2348068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		*98.4 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: Toluene-d8		*95.8 %*	*70-130*	*11/29/23*	*12/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2348101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/23	12/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/01/23	12/02/23	
Surrogate: n-Nonane		*90.3 %*	*50-200*	*12/01/23*	*12/02/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348103
Chloride	ND	200	10	12/01/23	12/01/23	

Sample Data

Talon LPE	Project Name:	Michael Ryan	
408 W Texas Ave	Project Number:	23052-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	12/5/2023 4:25:04PM

C-23 4.5'

E311222-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2348068
Benzene	ND	0.0250	1	11/29/23	12/01/23	
Ethylbenzene	ND	0.0250	1	11/29/23	12/01/23	
Toluene	ND	0.0250	1	11/29/23	12/01/23	
o-Xylene	ND	0.0250	1	11/29/23	12/01/23	
p,m-Xylene	ND	0.0500	1	11/29/23	12/01/23	
Total Xylenes	ND	0.0250	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: Toluene-d8		*95.1 %*	*70-130*	*11/29/23*	*12/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2348068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: Toluene-d8		*95.1 %*	*70-130*	*11/29/23*	*12/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2348101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/23	12/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/01/23	12/02/23	
Surrogate: n-Nonane		*92.3 %*	*50-200*	*12/01/23*	*12/02/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348103
Chloride	ND	200	10	12/01/23	12/01/23	

Sample Data

Talon LPE	Project Name:	Michael Ryan	
408 W Texas Ave	Project Number:	23052-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	12/5/2023 4:25:04PM

C-24 4.5'

E311222-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2348068
Benzene	ND	0.0250	1	11/29/23	12/01/23	
Ethylbenzene	ND	0.0250	1	11/29/23	12/01/23	
Toluene	ND	0.0250	1	11/29/23	12/01/23	
o-Xylene	ND	0.0250	1	11/29/23	12/01/23	
p,m-Xylene	ND	0.0500	1	11/29/23	12/01/23	
Total Xylenes	ND	0.0250	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		*97.7 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: Toluene-d8		*95.9 %*	*70-130*	*11/29/23*	*12/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2348068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		*97.7 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: Toluene-d8		*95.9 %*	*70-130*	*11/29/23*	*12/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2348101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/23	12/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/01/23	12/02/23	
Surrogate: n-Nonane		*90.2 %*	*50-200*	*12/01/23*	*12/02/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348103
Chloride	ND	200	10	12/01/23	12/01/23	

Sample Data

Talon LPE	Project Name:	Michael Ryan	
408 W Texas Ave	Project Number:	23052-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	12/5/2023 4:25:04PM

SW-5

E311222-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2348068
Benzene	ND	0.0250	1	11/29/23	12/01/23	
Ethylbenzene	ND	0.0250	1	11/29/23	12/01/23	
Toluene	ND	0.0250	1	11/29/23	12/01/23	
o-Xylene	ND	0.0250	1	11/29/23	12/01/23	
p,m-Xylene	ND	0.0500	1	11/29/23	12/01/23	
Total Xylenes	ND	0.0250	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		*98.5 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: Toluene-d8		*94.9 %*	*70-130*	*11/29/23*	*12/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2348068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		*98.5 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: Toluene-d8		*94.9 %*	*70-130*	*11/29/23*	*12/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2348101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/23	12/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/01/23	12/02/23	
Surrogate: n-Nonane		*91.2 %*	*50-200*	*12/01/23*	*12/02/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348103
Chloride	ND	200	10	12/01/23	12/01/23	

Sample Data

Talon LPE	Project Name:	Michael Ryan	
408 W Texas Ave	Project Number:	23052-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	12/5/2023 4:25:04PM

SW-6

E311222-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2348068
Benzene	ND	0.0250	1	11/29/23	12/01/23	
Ethylbenzene	ND	0.0250	1	11/29/23	12/01/23	
Toluene	ND	0.0250	1	11/29/23	12/01/23	
o-Xylene	ND	0.0250	1	11/29/23	12/01/23	
p,m-Xylene	ND	0.0500	1	11/29/23	12/01/23	
Total Xylenes	ND	0.0250	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		*98.4 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: Toluene-d8		*96.7 %*	*70-130*	*11/29/23*	*12/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2348068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		*98.4 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*11/29/23*	*12/01/23*	
Surrogate: Toluene-d8		*96.7 %*	*70-130*	*11/29/23*	*12/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2348101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/23	12/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/01/23	12/02/23	
Surrogate: n-Nonane		*93.0 %*	*50-200*	*12/01/23*	*12/02/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348103
Chloride	ND	200	10	12/01/23	12/01/23	

QC Summary Data

Talon LPE	Project Name:	Michael Ryan	**Reported:**
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	12/5/2023 4:25:04PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2348068-BLK1)									Prepared: 11/29/23 Analyzed: 11/30/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.509*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.475*		*0.500*		*94.9*	*70-130*			
LCS (2348068-BS1)									Prepared: 11/29/23 Analyzed: 11/30/23
Benzene	2.39	0.0250	2.50		95.6	70-130			
Ethylbenzene	2.39	0.0250	2.50		95.6	70-130			
Toluene	2.32	0.0250	2.50		92.6	70-130			
o-Xylene	2.44	0.0250	2.50		97.6	70-130			
p,m-Xylene	4.74	0.0500	5.00		94.8	70-130			
Total Xylenes	7.18	0.0250	7.50		95.7	70-130			
Surrogate: Bromofluorobenzene	*0.496*		*0.500*		*99.1*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.511*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.472*		*0.500*		*94.4*	*70-130*			
Matrix Spike (2348068-MS1)				**Source: E311222-07**					Prepared: 11/29/23 Analyzed: 11/30/23
Benzene	2.41	0.0250	2.50	ND	96.4	48-131			
Ethylbenzene	2.41	0.0250	2.50	ND	96.6	45-135			
Toluene	2.35	0.0250	2.50	ND	94.1	48-130			
o-Xylene	2.46	0.0250	2.50	ND	98.3	43-135			
p,m-Xylene	4.73	0.0500	5.00	ND	94.6	43-135			
Total Xylenes	7.19	0.0250	7.50	ND	95.8	43-135			
Surrogate: Bromofluorobenzene	*0.493*		*0.500*		*98.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.514*		*0.500*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.474*		*0.500*		*94.8*	*70-130*			
Matrix Spike Dup (2348068-MSD1)				**Source: E311222-07**					Prepared: 11/29/23 Analyzed: 11/30/23
Benzene	2.27	0.0250	2.50	ND	90.7	48-131	6.16	23	
Ethylbenzene	2.28	0.0250	2.50	ND	91.3	45-135	5.62	27	
Toluene	2.22	0.0250	2.50	ND	88.8	48-130	5.77	24	
o-Xylene	2.37	0.0250	2.50	ND	94.9	43-135	3.46	27	
p,m-Xylene	4.61	0.0500	5.00	ND	92.1	43-135	2.62	27	
Total Xylenes	6.98	0.0250	7.50	ND	93.1	43-135	2.91	27	
Surrogate: Bromofluorobenzene	*0.506*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.473*		*0.500*		*94.5*	*70-130*			

QC Summary Data

Talon LPE	Project Name:	Michael Ryan	**Reported:**
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	12/5/2023 4:25:04PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2348068-BLK1)									Prepared: 11/29/23 Analyzed: 11/30/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.509*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.475*		*0.500*		*94.9*	*70-130*			
LCS (2348068-BS2)									Prepared: 11/29/23 Analyzed: 11/30/23
Gasoline Range Organics (C6-C10)	40.4	20.0	50.0		80.7	70-130			
Surrogate: Bromofluorobenzene	*0.503*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.520*		*0.500*		*104*	*70-130*			
Surrogate: Toluene-d8	*0.478*		*0.500*		*95.5*	*70-130*			
Matrix Spike (2348068-MS2)				**Source: E311222-07**					Prepared: 11/29/23 Analyzed: 11/30/23
Gasoline Range Organics (C6-C10)	40.8	20.0	50.0	ND	81.5	70-130			
Surrogate: Bromofluorobenzene	*0.499*		*0.500*		*99.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.508*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.480*		*0.500*		*95.9*	*70-130*			
Matrix Spike Dup (2348068-MSD2)				**Source: E311222-07**					Prepared: 11/29/23 Analyzed: 11/30/23
Gasoline Range Organics (C6-C10)	40.8	20.0	50.0	ND	81.7	70-130	0.177	20	
Surrogate: Bromofluorobenzene	*0.494*		*0.500*		*98.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.502*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.475*		*0.500*		*95.0*	*70-130*			

QC Summary Data

Talon LPE	Project Name:	Michael Ryan	**Reported:**
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	12/5/2023 4:25:04PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2348101-BLK1)									Prepared: 12/01/23 Analyzed: 12/01/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.6*		*50.0*		*99.2*	*50-200*			
LCS (2348101-BS1)									Prepared: 12/01/23 Analyzed: 12/01/23
Diesel Range Organics (C10-C28)	275	25.0	250		110	38-132			
Surrogate: n-Nonane	*50.3*		*50.0*		*101*	*50-200*			
Matrix Spike (2348101-MS1)				**Source: E311222-06**					Prepared: 12/01/23 Analyzed: 12/01/23
Diesel Range Organics (C10-C28)	292	25.0	250	ND	117	38-132			
Surrogate: n-Nonane	*53.3*		*50.0*		*107*	*50-200*			
Matrix Spike Dup (2348101-MSD1)				**Source: E311222-06**					Prepared: 12/01/23 Analyzed: 12/01/23
Diesel Range Organics (C10-C28)	251	25.0	250	ND	101	38-132	15.1	20	
Surrogate: n-Nonane	*45.5*		*50.0*		*91.0*	*50-200*			

QC Summary Data

Talon LPE	Project Name:	Michael Ryan	**Reported:**
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	12/5/2023 4:25:04PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2348103-BLK1)									Prepared: 12/01/23 Analyzed: 12/01/23
Chloride	ND	20.0							
LCS (2348103-BS1)									Prepared: 12/01/23 Analyzed: 12/01/23
Chloride	244	20.0	250		97.7	90-110			
Matrix Spike (2348103-MS1)				**Source: E311222-01**					Prepared: 12/01/23 Analyzed: 12/01/23
Chloride	527	200	250	271	102	80-120			
Matrix Spike Dup (2348103-MSD1)				**Source: E311222-01**					Prepared: 12/01/23 Analyzed: 12/01/23
Chloride	488	200	250	271	86.7	80-120	7.71	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

Talon LPE	Project Name:	Michael Ryan	
408 W Texas Ave	Project Number:	23052-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	12/05/23 16:25

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Project Information | Chain of Custody | Page 1 of 2

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

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

Lab Use Only: Lab WO# E311222 | Job Number 23052-0001

TAT: 1D | 2D | 3D | Standard (X)

EPA Program: CWA | SDWA | RCRA

State: NM (X) | CO | UT | AZ | TX

Analysis and Method: TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | GDOC TX

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
1045	11/22/23	soil	1	C-12	4.5'	1	X	X			X			
1051				C-13		2								
1102				C-14		3								
1107				C-15		4								
1115				C-16		5								
1121				C-17		6								
1129				C-18		7								
1136				C-19		8								
1144				C-20		9								
1149				C-21		10								

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11-22-23		Michela Gonzales	11-28-23	1636
Michela Gonzales	11-28-23	1700	Andrew Muñoz	11.28.23	1730
Andrew Muñoz	11.28.23	2345		11-29-23	830

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

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

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

envirotech

Project Information | Chain of Custody | Page 2 of 2

Client: Talon LPE	Bill To	Lab Use Only	TAT / EPA Program
Project: Micheal Ryan	Attention: Matador	Lab WO# E311222	Job Number 23052-0001
Project Manager: Chad Hensley	Address:	1D:	2D: 3D: Standard: X
Address: 408 W. Texas Ave	City, State, Zip	CWA:	SDWA: RCRA:
City, State, Zip Artesia, NM 88210	Phone:	State: NM X, CO, UT, AZ, TX	
Phone: 575-746-8768	Email:		
Email: chensley@talonlpe.com			
Report due by:			

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
1207	1/22/23	soil	1	C-22 4.5'	11	X	X			X			
1212				C-23	12								
1219				C-24	13								
1222				SW-5	14								
				SW-6	15								

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11-22-23		Michelle Gonzales	11-28-23	1636
Michelle Gaytan	11-28-23	1700	Andrew Hobbs	11.28.23	1730
Andrew Hobbs	11.28.23	2345		11.29.23	830

Lab Use Only: Received on ice: (Y) N; T1 ____ T2 ____ T3 ____; AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 11/29/2023 1:37:48PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Talon LPE	Date Received:	11/29/23 08:30	Work Order ID:	E311222
Phone:	(575) 746-8768	Date Logged In:	11/29/23 10:52	Logged In By:	Alexa Michaels
Email:	chensley@talonlpe.com	Due Date:	12/04/23 17:00 (3 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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 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?	No	
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 filteration 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.

Appendix VI

Analytical Data Tables

Table 1

Site Assessment Samples
Incident # NAPP2320661320

Michael Ryan Federal Com #204H																	
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**	**Arsenic mg/kg**	**Barium mg/kg**	**Cadmium mg/kg**	**Chromium mg/kg**	**Lead mg/kg**	**Selenium mg/kg**	**Silver mg/kg**	**Mercury ug/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**	**5 mg/kg**	**100 mg/kg**	**1 mg/kg**	**5 mg/kg**	**5 mg/kg**	**1 mg/kg**	**5 mg/kg**	**200 ug/kg**
S-1	8/21/2023	0-0.5'	NT	NT	ND	ND	ND	-	1650	ND	ND	ND	ND	ND	ND	ND	ND
	8/21/2023	1'	NT	NT	ND	ND	ND	-	2040	ND	ND	ND	3.21	ND	ND	ND	ND
S-2	9/5/23	0'	ND	ND	ND	1050	1570	2620	57200	NT	NT	NT	NT	NT	NT	NT	NT
	9/5/23	1'	ND	ND	ND	ND	ND	-	4100	NT	NT	NT	NT	NT	NT	NT	NT
	9/5/23	2'	ND	ND	ND	ND	ND	-	1800	NT	NT	NT	NT	NT	NT	NT	NT
	9/5/23	4'	ND	ND	ND	ND	ND	-	617	NT	NT	NT	NT	NT	NT	NT	NT
S-3	9/5/23	0'	ND	ND	ND	121	62.9	183.9	583	NT	NT	NT	NT	NT	NT	NT	NT
	9/5/23	1'	ND	ND	ND	ND	ND	-	ND	NT	NT	NT	NT	NT	NT	NT	NT
	9/5/23	2'	ND	ND	ND	ND	ND	-	ND	NT	NT	NT	NT	NT	NT	NT	NT
	9/5/23	4'	ND	ND	ND	ND	ND	-	ND	NT	NT	NT	NT	NT	NT	NT	NT
S-4	9/5/23	0'	ND	ND	ND	399	215	614	28900	NT	NT	NT	NT	NT	NT	NT	NT
	9/5/23	1'	ND	ND	ND	ND	ND	-	8910	NT	NT	NT	NT	NT	NT	NT	NT
	9/5/23	2'	ND	ND	ND	141	94.7	235.7	ND	NT	NT	NT	NT	NT	NT	NT	NT
	9/5/23	4'	ND	ND	ND	105	69.6	174.6	ND	NT	NT	NT	NT	NT	NT	NT	NT
S-5	9/5/23	0'	ND	ND	ND	729	1040	1769	74900	NT	NT	NT	NT	NT	NT	NT	NT
	9/5/23	1'	ND	ND	ND	ND	ND	-	3790	NT	NT	NT	NT	NT	NT	NT	NT
	9/5/23	2'	ND	ND	ND	ND	ND	-	2180	NT	NT	NT	NT	NT	NT	NT	NT
	9/5/23	4'	ND	ND	ND	ND	ND	-	454	NT	NT	NT	NT	NT	NT	NT	NT

NOTES:

BGS	Below ground surface
mg/kg	Milligrams per kilogram
ug/kg	Micrograms per kilogram
TPH	Total Petroleum Hydrocarbons
GRO	Gasoline range organics
DRO	Diesel range organics
MRO	Motor oil range organics
S	Sample
ND	Analyte Not Detected
NT	Analyte Not Tested

Highlighted cells indicate exceedance of NMOCD Table 1 Closure Criteria

Table 2

Confirmation Samples
Incident # NAPP2320661320

Michael Ryan Federal Com #204H									
Sample ID	Sample Date	Depth (BGS)	Benzene mg/kg	BTEX mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			10 mg/kg	50 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
C-1	11/22/2023	4.5'	ND	ND	ND	ND	ND	ND	213
C-2	11/22/2023	4.5'	ND	ND	ND	ND	ND	ND	ND
C-3	11/22/2023	4.5'	ND	ND	ND	ND	ND	ND	ND
C-4	11/22/2023	4.5'	ND	ND	ND	ND	ND	ND	ND
C-5	11/22/2023	4.5'	ND	ND	ND	ND	ND	ND	ND
C-6	11/22/2023	4.5'	ND	ND	ND	ND	ND	ND	238
C-7	11/22/2023	4.5'	ND	ND	ND	ND	ND	ND	227
C-8	11/22/2023	4.5'	ND	ND	ND	ND	ND	ND	201
C-9	11/22/2023	4.5'	ND	ND	ND	ND	ND	ND	ND
C-10	11/22/2023	4.5'	ND	ND	ND	ND	ND	ND	ND
C-11	11/22/2023	4.5'	ND	ND	ND	ND	ND	ND	305
C-12	11/22/2023	4.5'	ND	ND	ND	ND	ND	ND	271
C-13	11/22/2023	4.5'	ND	ND	ND	ND	ND	ND	243
C-14	11/22/2023	4.5'	ND	ND	ND	ND	ND	ND	263
C-15	11/22/2023	4.5'	ND	ND	ND	ND	ND	ND	ND
C-16	11/22/2023	4.5'	ND	ND	ND	ND	ND	ND	215
C-17	11/22/2023	4.5'	ND	ND	ND	ND	ND	ND	ND
C-18	11/22/2023	4.5'	ND	ND	ND	ND	ND	ND	ND
C-19	11/22/2023	4.5'	ND	ND	ND	ND	ND	ND	ND
C-20	11/22/2023	4.5'	ND	ND	ND	ND	ND	ND	ND
C-21	11/22/2023	4.5'	ND	ND	ND	ND	ND	ND	281
C-22	11/22/2023	4.5'	ND	ND	ND	ND	ND	ND	ND
C-23	11/22/2023	4.5'	ND	ND	ND	ND	ND	ND	ND
C-24	11/22/2023	4.5'	ND	ND	ND	ND	ND	ND	ND
SW-1	11/22/2023	-	ND	ND	ND	ND	ND	ND	406
SW-2	11/22/2023	-	ND	ND	ND	ND	ND	ND	482
SW-3	11/22/2023	-	ND	ND	ND	ND	ND	ND	572
SW-4	11/22/2023	-	ND	ND	ND	ND	ND	ND	ND
SW-5	11/22/2023	-	ND	ND	ND	ND	ND	ND	ND
SW-6	11/22/2023	-	ND	ND	ND	ND	ND	ND	ND

NOTES:

BGS	Below ground surface
mg/kg	Milligrams per kilogram
TPH	Total petroleum hydrocarbons
GRO	Gasoline range organics
DRO	Diesel range organics
MRO	Motor oil range organics
C	Confirmation sample
SW	Sidewall sample
ND	Analyte not detected

Highlighted cells indicate exceedance of NMOCD Table 1 Closure Criteria

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

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

QUESTIONS

Action 299031

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 299031
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2320661320**
Incident Name	**NAPP2320661320 MICHAEL RYAN FEDERAL COM #204H @ 30-015-49984**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Closure Report Received**
Incident Well	**[30-015-49984] MICHAEL RYAN FEDERAL COM #128H**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	MICHAEL RYAN FEDERAL COM #204H
Date Release Discovered	07/25/2023
Surface Owner	State

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: Human Error | Frac Tank | Produced Water | Released: 75 BBL | Recovered: 70 BBL | Lost: 5 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)	*Not answered.*

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

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

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 299031
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 01/02/2024

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

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

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 299031
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	Estimate or Other
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	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	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between ½ and 1 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 300 and 500 (ft.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	74900
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	2620
GRO+DRO (EPA SW-846 Method 8015M)	1050
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	10/10/2023
On what date will (or did) the final sampling or liner inspection occur	11/22/2023
On what date will (or was) the remediation complete(d)	11/22/2023
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	4689
What is the estimated volume (in cubic yards) that will be remediated	782
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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

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

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 299031
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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	Lea Land, LLC
(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: 01/02/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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

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

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 299031
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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

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

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 299031
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**298998**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**11/20/2023**
What was the (estimated) number of samples that were to be gathered	**30**
What was the sampling surface area in square feet	**4689**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	4689
What was the total volume (cubic yards) remediated	782
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Release was contained to areas reasonable needed for Production.

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 01/02/2024

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

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

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 299031
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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

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

CONDITIONS

Action 299031

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 299031
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	3/20/2024