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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/I 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

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.

^{**}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]

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

Chry

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

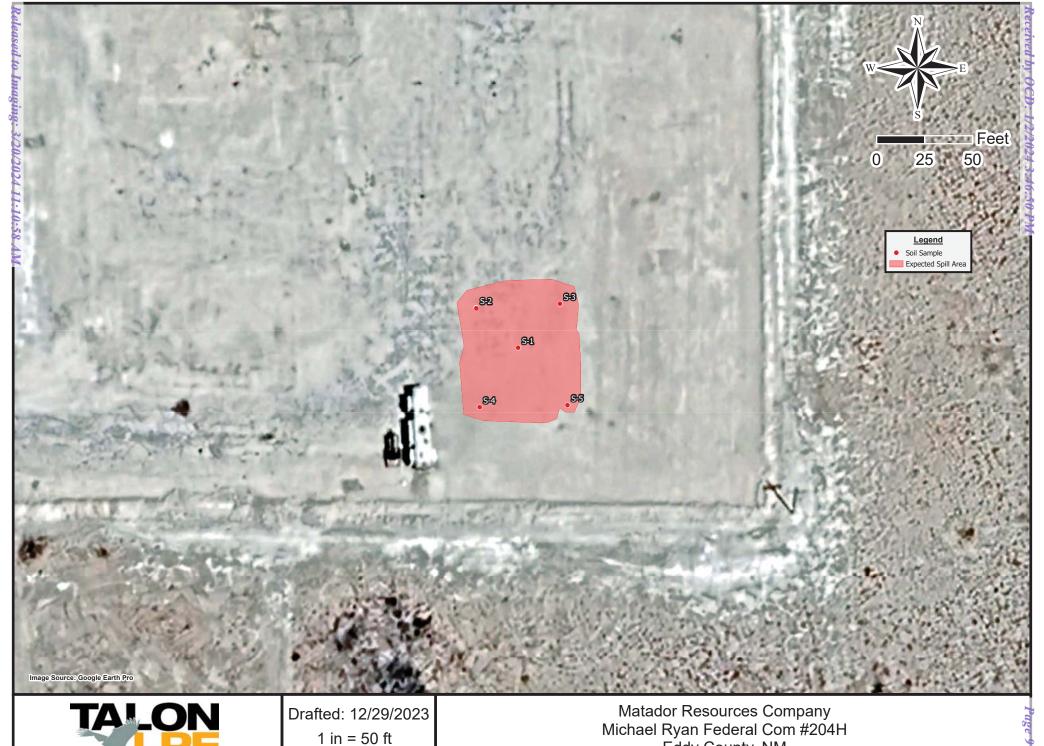
Appendix V Laboratory Reports
Appendix VI Analytical Data Tables

Matthew Gomez



Appendix I

Site Maps



Drafted By: IJR

Eddy County, NM Site Assessment Map

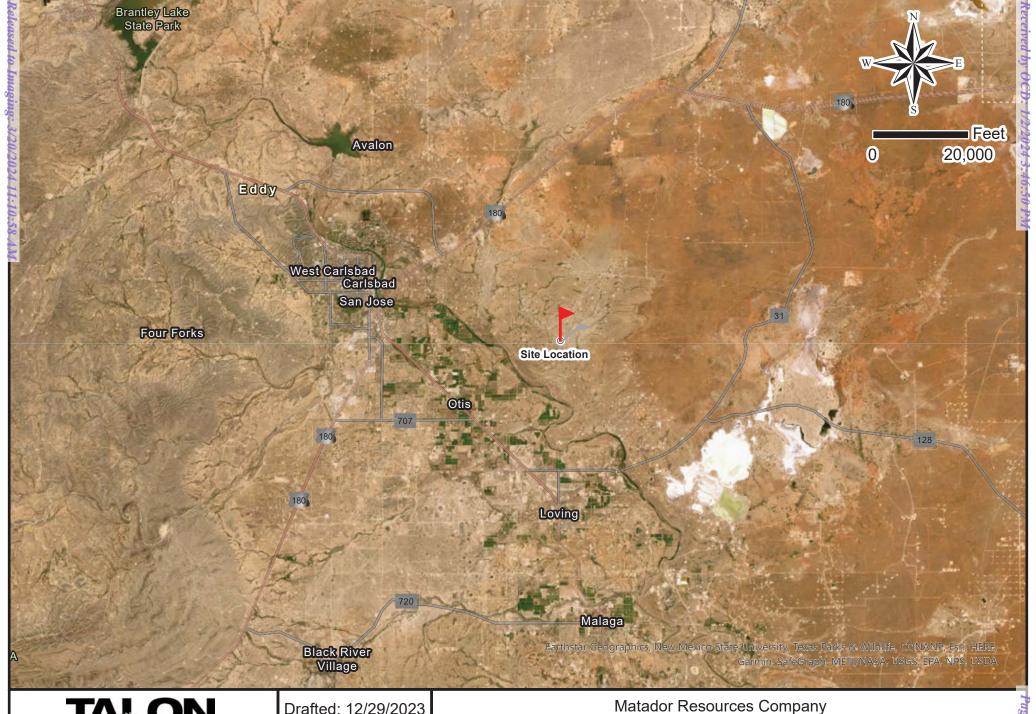




1 in = 50 ft

Drafted By: IJR

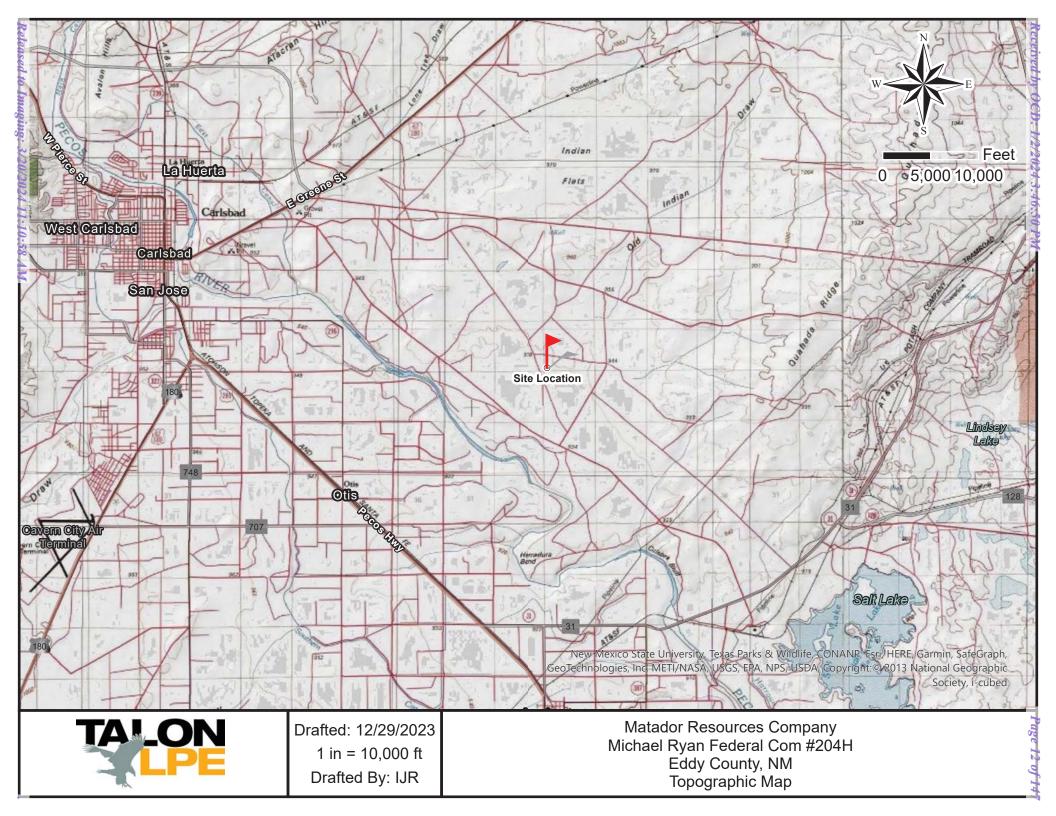
Michael Ryan Federal Com #204H Eddy County, NM Confirmation Map

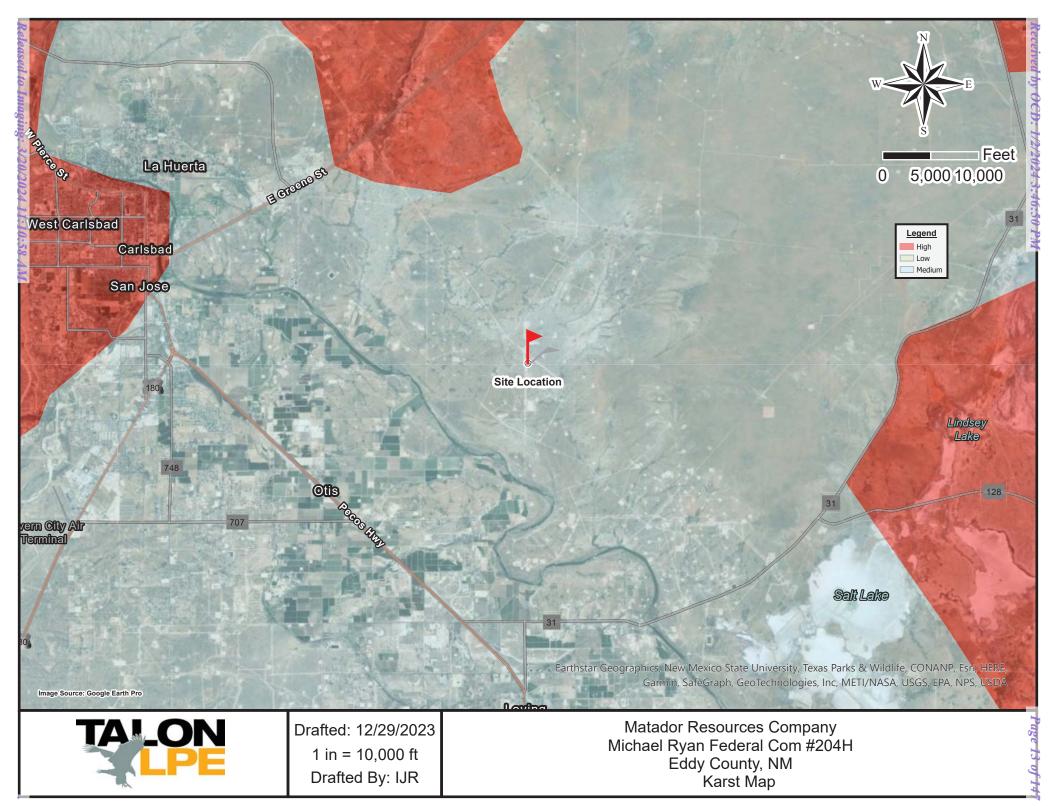




Drafted: 12/29/2023

1 in = 20,000 ft Drafted By: IJR Michael Ryan Federal Com #204H
Eddy County, NM
Site Location 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)

		IOD	
		Sub-	
OD Number	Code	basin	Cour

		Sub-		Q	Q (2								V	Vater
POD Number	Code	basin	County	64	16 4	4 S	Sec	Tws	Rng	X	\mathbf{Y}	DistanceDep	thWellDep	thWater Co	lumn
C 04702 POD2		CUB	ED	2	1 4	4	18	22S	28E	582367	3584016	2339	55	46	9
C 04702 POD1		CUB	ED	2	1 4	4	18	22S	28E	582312	3584100	2409	50	31	19
<u>C 01508</u>		C	ED	1	1 4	4	18	22S	28E	582206	3584195*	2534	180		
<u>C 00642</u>		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

<u>UTMNAD83 Radius Search (in meters):</u>

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

*UTM location was derived from PLSS - see Help

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

12/28/23 3:00 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Custom Soil Resource Report Soil Map 32° 23' 16" N 32° 23' 16" N Soil Map may not be valid at this scale. 32° 23' 7" N 32° 23' 7" N Map Scale: 1:1,920 if printed on A landscape (11" \times 8.5") sheet. —Meters 150 Feet 0 50 100 200 300 Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

Custom Soil Resource Report

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

Custom Soil Resource Report

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

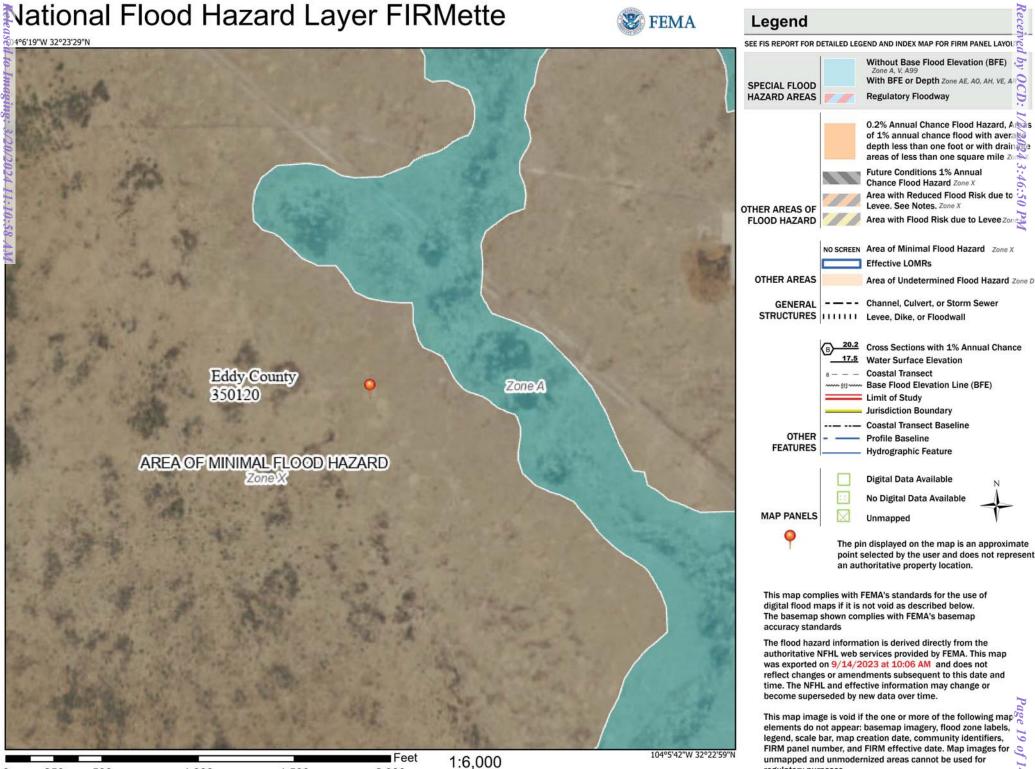
Hydric soil rating: No

Cottonwood

Percent of map unit: 5 percent

Ecological site: R070BC033NM - Salty Bottomland

Hydric soil rating: No



250

500

1.000

1.500

2.000

Basemap Imagery Source: USGS National Map 2023

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 Ma	tador Resources		OGRID	228937		
Contact Name Clinton Talley						Telephone 337-319-8398	
Contact ema	^{il} clin	iton.talley@mat	adorresources	.com	Incident #	# (assigned by OCD) NAPP2320661320	
Contact mai	ling address	5347 N. 26th	n Street 2nd Fl	oor, Ar	tesia, NM	88210	
			Location	n of R	Release S	Source	
Latitude 32	2.38719				Longitude	104.1002	
			(NAD 83 in a	lecimal de	egrees to 5 deci	imal places)	
Site Name M	ichael Ryar	n Federal Com#	204H		Site Type	Gas	
Date Release					API# (if ap	pplicable) 30-015-49984	
Unit Letter	Section	Township	Range		Cou	ınty	
E	E 16 22S 28E Edd						
Surface Owne	r. State	✓ Federal ☐ T	ribal 🗌 Private	(Name:)	
Surface Owne	1 State	V Tederar 1	noar 🗀 Thivate	(Ivame.			
			Nature an	id Vo	lume of	Release	
	Materia	al(s) Released (Select a	ll that apply and attac	ch calcula	tions or specific	ic justification for the volumes provided below)	
Crude Oi		Volume Release			Volume Recovered (bbls)		
✓ Produced	Water	Volume Release	ed (bbls) 75bbl			Volume Recovered (bbls) 70bbl	
			tion of dissolved	chlorid	e in the	☐ Yes ☐ No	
Condensa	ate	Produced water Volume Release				Volume Recovered (bbls)	
Natural C		Volume Release			Volume Recovered (Mcf)		
				1:4-	` /		
Other (describe) Volume/Weight Released (provide units))	Volume/Weight Recovered (provide units)	
Cause of Rel	ease						
Cause of Rei		uman Error.					
	''	uman Enor.					

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Incident ID	NAPP2320661320
District RP	
Facility ID	
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the respondence of	sible party consider this a major release?				
19.15.29.7(A) NMAC?						
☑ Yes ☐ No						
If VES, was immediate n	otice given to the OCD? By whom? To wh	om? When and by what means (phone, email, etc)?				
		oni: when and by what means (phone, eman, etc):				
NOR submitte	d					
	Initial Ro	esponse				
The responsible	party must undertake the following actions immediatel	y unless they could create a safety hazard that would result in injury				
✓ The source of the rela	ease has been stopped.					
☐ The impacted area ha	s been secured to protect human health and	the environment.				
Released materials ha	ave been contained via the use of berms or c	ikes, absorbent pads, or other containment devices.				
All free liquids and re	ecoverable materials have been removed and	l managed appropriately.				
If all the actions describe	d above have <u>not</u> been undertaken, explain	vhy:				
Per 19.15.29.8 B. (4) NM	IAC the responsible party may commence r	emediation immediately after discovery of a release. If remediation				
		efforts have been successfully completed or if the release occurred lease attach all information needed for closure evaluation				
	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 noti	ications and perform corrective actions for releases which may endanger				
failed to adequately investig	ate and remediate contamination that pose a thre	CD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In				
addition, OCD acceptance o and/or regulations.	f a C-141 report does not relieve the operator of	responsibility for compliance with any other federal, state, or local laws				
Printed Name: Clinton	Talley	Title: EHS				
Signature: Clint	Tallsy Omatadorresources.com	Date: 7/31/2023				
email: clinton.talley@	@matadorresources.com	Telephone: 337-319-8398				
		•				
OCD Only						
		Divi				
keceived by:		Date:				

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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 20 days after the release discovery date.				
What is the shallowest depth to groundwater beneath the area affected by the release?	(ft bgs)			
Did this release impact groundwater or surface water?	Yes X No			
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes X 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 X No			
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	Yes X 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 X No			
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	Yes X No			
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes X No			
Are the lateral extents of the release within 300 feet of a wetland?	Yes X No			
Are the lateral extents of the release overlying a subsurface mine?	Yes X No			
Are the lateral extents of the release overlying an unstable area such as karst geology?	Yes X No			
Are the lateral extents of the release within a 100-year floodplain?	Yes X No			
Did the release impact areas not on an exploration, development, production, or storage site?	Yes X 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 well Field data	ls.			

- X Data table of soil contaminant concentration data
- X Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- X Boring or excavation logs
- X Photographs including date and GIS information
- Topographic/Aerial maps
- X 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.

Received by OCD: 1/2/2024 3:46:50 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division

	Page 24 of 1	47
Incident ID	NAP2320661320	
District RP		
Facility ID		
Application ID		

I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a thru addition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	ifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In
Printed Name: Clinton Talley	Title: EHS Supervisor
Signature: Clint Talley	Date: 1/2/2024
email: <u>clinton.talley@matadorresources.com</u>	Telephone: <u>337-319-8398</u>
OCD Only	
Received by:	Date:

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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.

X A scaled site and sampling diagram as described in 19.15.29.	11 NMAC
X Photographs of the remediated site prior to backfill or photomust be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office
X Laboratory analyses of final sampling (Note: appropriate OD	C District office must be notified 2 days prior to final sampling)
X Description of remediation activities	
and regulations all operators are required to report and/or file certa may endanger public health or the environment. The acceptance o should their operations have failed to adequately investigate and re human health or the environment. In addition, OCD acceptance of	lations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete. Title: EHS Supervisor
OCD Only	
Received by:	Date:
	y of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible dor 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

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

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

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

To whom it may concern,

Talon on behalf of Matador is conducting 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: <u>www.talonlpe.com</u>



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

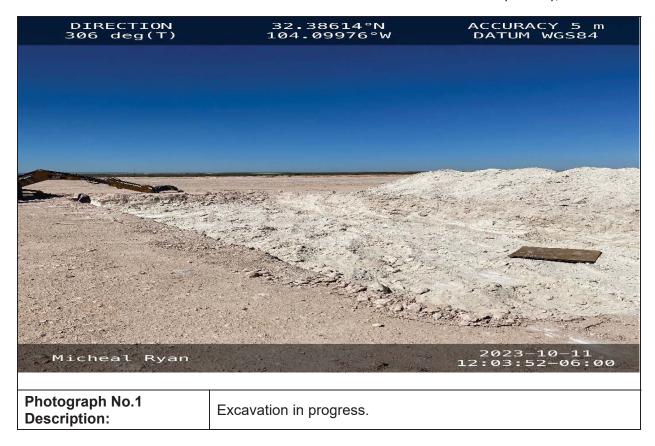


Appendix IV

Photographic Documentation

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

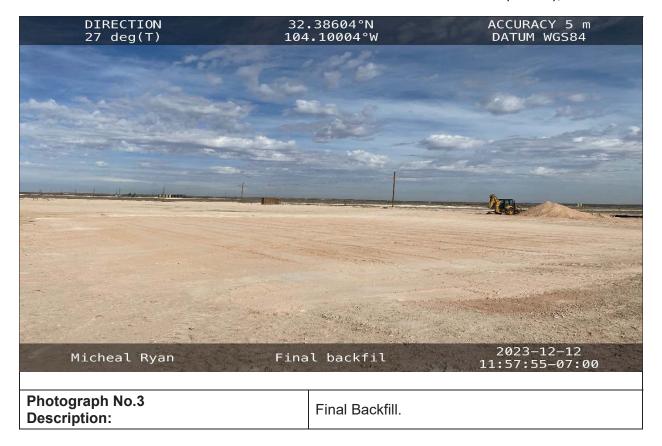






Matador Resources Michael Ryan Fed Com #204H Eddy County, New Mexico



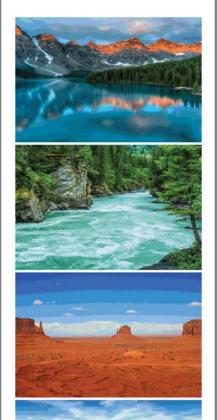




Appendix V

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

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: 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

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rainaschwanz@envirotech-inc.com

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Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



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Sample Summary

Γ	Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	Reported:	
١	5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Keporteu.	
	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 2045400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Chad Hensley8/29/2023 4:17:53PM

S-1 0 - 6" E308163-01

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: 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	Analys	st: 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	Analys	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	Analys	st: JL		Batch: 2335005
Mercury	ND	20.0	1	08/28/23	08/28/23	

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

D					
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	st: IY		Batch: 2334044
ND	20.0	1	08/23/23	08/24/23	
	85.1 %	70-130	08/23/23	08/24/23	
mg/kg	mg/kg	Analys	st: KM		Batch: 2334064
ND	25.0	1	08/24/23	08/24/23	
ND	50.0	1	08/24/23	08/24/23	
	87.5 %	50-200	08/24/23	08/24/23	
mg/kg	mg/kg	Analys	st: RKS		Batch: 2334059
ND	2.50	5	08/24/23	08/29/23	D3
ND	31.3	5	08/24/23	08/29/23	
ND	1.25	5	08/24/23	08/29/23	
3.21	2.50	5	08/24/23	08/29/23	
ND	1.25	5	08/24/23	08/29/23	
ND	6.25	5	08/24/23	08/29/23	
ND	1.25	5	08/24/23	08/29/23	
mg/kg	mg/kg	Analys	st: BA		Batch: 2334075
2040	200	10	08/24/23	08/26/23	
ug/kg	ug/kg	Analys	st: JL		Batch: 2335005
ND	20.0	1	08/28/23	08/28/23	
	MD mg/kg ND ND mg/kg ND ND ND ND ND ND ND ND Que mg/kg 2040 ug/kg	Result Limit mg/kg mg/kg ND 20.0 85.1 % mg/kg mg/kg mg/kg ND 25.0 ND 50.0 87.5 % mg/kg MD 2.50 ND 31.3 ND 1.25 3.21 2.50 ND 1.25 ND 6.25 ND 1.25 mg/kg mg/kg 2040 200 ug/kg ug/kg	mg/kg mg/kg Analys ND 20.0 1 85.1 % 70-130 mg/kg mg/kg Analys ND 25.0 1 ND 50.0 1 87.5 % 50-200 mg/kg mg/kg Analys ND 2.50 5 ND 31.3 5 ND 1.25 5 3.21 2.50 5 ND 1.25 5 ND 6.25 5 ND 1.25 5 ND 1.25 5 mg/kg mg/kg Analys 2040 200 10 ug/kg Analys	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 20.0 1 08/23/23 85.1 % 70-130 08/23/23 mg/kg Manalyst: KM ND 25.0 1 08/24/23 ND 50.0 1 08/24/23 mg/kg Mg/24/23 08/24/23 mg/kg mg/kg Analyst: RKS ND 2.50 5 08/24/23 ND 31.3 5 08/24/23 ND 1.25 5 08/24/23	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 20.0 1 08/23/23 08/24/23 ND 20.0 1 08/23/23 08/24/23 mg/kg mg/kg Analyst: KM ND 25.0 1 08/24/23 08/24/23 ND 50.0 1 08/24/23 08/24/23 mg/kg mg/kg Analyst: RKS ND 2.50 5 08/24/23 08/29/23 ND 31.3 5 08/24/23 08/29/23 ND 1.25 5 08/24/23 08/29/23 ND 1.25



QC Summary Data

Michael Ryan Fed Com 204 Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23052-0001

Dallas TX, 75240		Project Manage	r: Ch	nad Hensley				8	8/29/2023 4:17:53PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2334044-BLK1)							Prepared: 0	8/23/23 An	nalyzed: 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: 0	8/23/23 An	nalyzed: 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: 0	8/23/23 An	nalyzed: 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: 0	8/23/23 An	nalyzed: 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			

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

Dallas 1X, /5240		Project Manage	r: Cn	iad Hensley					8/29/2023 4:17:53PN
	Nonha	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2334064-BLK1)							Prepared: 0	8/24/23 A	nalyzed: 08/24/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.3		50.0		92.5	50-200			
LCS (2334064-BS1)							Prepared: 0	8/24/23 A	nalyzed: 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:	E308164-0	02	Prepared: 0	8/24/23 A	nalyzed: 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:	E308164-0	02	Prepared: 0	8/24/23 A	nalyzed: 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			



Matrix Spike Dup (2334059-MSD1)

Barium

Lead

Silver

Cadmium

Chromium

Selenium

18.6

6.36

37.5

14.4

29.9

0.500

6.25

0.250

0.500

0.250

1.25 0.250

QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	23	lichael Ryan Fo 3052-0001 had Hensley	ed Com 2	04			Reported: 8/29/2023 4:17:53PM
		Total M	etals by	EPA 6010C	1				Analyst: JL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2334059-BLK1)							Prepared: 0	8/24/23 A	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: 0	8/24/23 A	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: 0	8/24/23 A	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			

Source: E308159-01

103

93.1

110

97.6

95.5

75-125

75-125

75-125

75-125

75-125

75-125

75-125

11.7

5.10

0.750

0.731

1.19

1.86

0.887

5.16

94.8

0.540

10.1

8.30

ND

12.5

313

6.25

25.0

6.25

31.3

Prepared: 08/24/23 Analyzed: 08/24/23

20

20

20

20

20

Chloride

QC Summary Data

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

Dallas 1X, /5240		Project Manage	r: Cr	ad Hensley				8/2	:9/2023 4:1/:53PN
		Anions	by EPA 3	00.0/9056A	4				Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2334075-BLK1)							Prepared: 0	8/24/23 Anal	yzed: 08/28/23
Chloride	ND	20.0							
LCS (2334075-BS1)							Prepared: 0	8/24/23 Anal	yzed: 08/25/23
Chloride	245	20.0	250		97.9	90-110			
Matrix Spike (2334075-MS1)				Source:	E308163-	01	Prepared: 0	8/24/23 Anal	yzed: 08/26/23
Chloride	1900	200	250	1650	102	80-120			
Matrix Spike Dup (2334075-MSD1)				Source:	E308163-	01	Prepared: 0	8/24/23 Anal	yzed: 08/26/23

250

1650

200

80-120

10.4



Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Iichael Ryan F 3052-0001	ed Com 20)4			Reported:
Dallas TX, 75240		Project Manager:		Chad Hensley					8/29/2023 4:17:53PM
		Total Mo	ercury b	y EPA 7471	В				Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	ug/kg	ug/kg	ug/kg	ug/kg	%	%	%	%	Notes
Blank (2335005-BLK1)							Prepared: 0	08/28/23	Analyzed: 08/28/23
Mercury	ND	20.0							
LCS (2335005-BS1)							Prepared: 0	08/28/23	Analyzed: 08/28/23
Mercury	157	20.0	160		98.4	80-120			
Matrix Spike (2335005-MS1)				Source:	E308163-	02	Prepared: 0	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: 0	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

ſ	Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	
١	5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
١	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.



envirotec

Page 13 of 14

Client: Martandor		Bill To			Lab Use Only	Only		TAT	EPA Program
Project: Michael Pyan Fed Com Doy Project Manager: C. Hensley Address: 408 D Texas Ave City, State Zin Artessa, Nick, 8821	Ed Com Boy	Attention: Address: City, State, Zip		Lab WO#	63	Job Number 22952-00 Analysis and Method	\vdash	3D Standard	
746 8768 0 Talon (Pl	1 1/1	Email:		2108 yd (0.008	XT -	N 7	State CO UT AZ TX
Time Date Sampled Matrix Containers	Sample ID		Lab	ово/рвс	BTEX by 8	Metals 60 Chloride	12C	ł	Remarks
1-140 8-21-23 Soil 1	5-1	,,9-0	_	×		×	X		
1448 8-21-23 Soil	2-1	11	N	×		×	¥		
	V								
):					
Additional Instructions:			100		1		-		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware date or time of collection is considered fraud and may be grounds for legal action.	ity of this sample.	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.	lling the sample loca	ation,	vs a.	amples requiring ther acked in ice at an avg	rmal preservation temp above 0 bur	Samples requiring thermal preservation must be received on ice the day thei packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.	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)	Pate 7	Time Received by: (Signature)	Date Sal	23 Time	30	Received on ice:		Lab Use Only	
Relinquished by: (Signature) Dis		Time Received by: (Signature)	Date Date	S. Time	133	1		E	
Relinquished by: (Signature) Do	13.23	Time Received by Stenaure	Sh3	Time 8:5		AVG Temp °C	4		
Relinquished by: (Signature) Di	Date T	Time Received by: (Signature)	Date	Time					
	0.00	70.00	Containe	ACIVITY TO THE CONTRACT OF THE PROPERTY OF THE	2 2 2 2 2			1800	

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

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

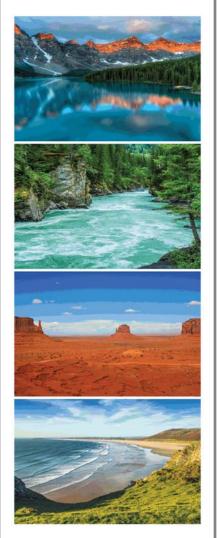
Instructions: Please take note of any NO checkmarks.

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 tl	ne sample ID match the COC?		Yes				
2. Does tl	ne number of samples per sampling site location ma	tch the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: Cor	<u>urier</u>		
4. Was th	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes				
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi		Yes			<u>Comments</u>	s/Resolution
Sample T	Curn Around Time (TAT)			Г			
	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
	were custody/security seals intact?						
-	•	:- (01200	NA				
	e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples ar minutes of sampling	e received w/i 15	Yes				
	visible ice, record the temperature. Actual sample	temperature: 4°	<u>C</u>				
	Container VOC 1 1 12		3.7				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?	0	NA				
	on-VOC samples collected in the correct containers		Yes				
	appropriate volume/weight or number of sample contai	ners collected?	Yes				
Field Lal		. •					
	field sample labels filled out with the minimum info ample ID?	ormation:	Yes				
	eate/Time Collected?		Yes	L			
	ollectors name?		No				
Sample F	reservation		- 10				
21. Does	the COC or field labels indicate the samples were p	reserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
	filteration required and/or requested for dissolved r	netals?	No				
Multinha	se Sample Matrix						
	the sample have more than one phase, i.e., multipha	se?	No				
	, does the COC specify which phase(s) is to be anal		NA				
-		yzea.	INA				
	act Laboratory		3.7				
	amples required to get sent to a subcontract laborate	•	No				
29. Was a	subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab: 1	NA		
Client II	<u>nstruction</u>						

Date

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

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 9/12/23

Chad Hensley 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,

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Sample Summary

Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	Donoutoda
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	Reported:
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.

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

	E309033-01				
	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: IY		Batch: 2336061
ND	0.0250	1	09/06/23	09/07/23	
ND	0.0250	1	09/06/23	09/07/23	
ND	0.0250	1	09/06/23	09/07/23	
ND	0.0250	1	09/06/23	09/07/23	
ND	0.0500	1	09/06/23	09/07/23	
ND	0.0250	1	09/06/23	09/07/23	
	94.5 %	70-130	09/06/23	09/07/23	
mg/kg	mg/kg	Analy	st: IY		Batch: 2336061
ND	20.0	1	09/06/23	09/07/23	
	85.3 %	70-130	09/06/23	09/07/23	
mg/kg	mg/kg	Analy	st: JL		Batch: 2337002
1050	25.0	1	09/11/23	09/11/23	
1570	50.0	1	09/11/23	09/11/23	
	107 %	50-200	09/11/23	09/11/23	
mg/kg	mg/kg	Analy	st: BA		Batch: 2337009
57200	2000	100	09/11/23	09/11/23	
	mg/kg ND ND ND ND ND ND ND The state of the	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 85.3 % mg/kg mg/kg mg/kg 1050 25.0 1570 50.0 107 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 Mg/kg mg/kg Analy ND 20.0 1 85.3 % 70-130 mg/kg mg/kg Analy 1050 25.0 1 1570 50.0 1 107 % 50-200 mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 09/06/23 ND 0.0250 1 09/06/23 ND 0.0250 1 09/06/23 ND 0.0500 1 09/06/23 ND 0.0250 1 09/06/23 ND 0.0250 1 09/06/23 mg/kg mg/kg Analyst: IY ND 20.0 1 09/06/23 mg/kg mg/kg Analyst: JL 1050 25.0 1 09/11/23 1570 50.0 1 09/11/23 mg/kg mg/kg Analyst: BA	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 09/06/23 09/07/23 ND 0.0250 1 09/06/23 09/07/23 ND 0.0250 1 09/06/23 09/07/23 ND 0.0500 1 09/06/23 09/07/23 ND 0.0250 1 09/06/23 09/07/23 ND 0.0250 1 09/06/23 09/07/23 mg/kg mg/kg Analyst: IY ND 20.0 1 09/06/23 09/07/23 mg/kg mg/kg Analyst: IJ ND 20.0 1 09/06/23 09/07/23 mg/kg mg/kg Analyst: JL 1050 25.0 1 09/11/23 09/11/23 1570 50.0 1 09/11/23 09/11/23 09/11/23 mg/kg mg/kg Analyst: BA



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'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: 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	Analy	yst: 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	Analy	yst: 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	Analy	yst: BA		Batch: 2337009
Chloride	4100	400	20	09/11/23	09/11/23	



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'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	Analys	st: 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	Analys	st: 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	Analys	st: BA		Batch: 2337009
Chloride	1800	400	20	09/11/23	09/11/23	



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'

		D				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		yst: 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	Analy	yst: 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	Analy	yst: 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	Analy	yst: BA		Batch: 2337009
Chloride	617	200	10	09/11/23	09/11/23	



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

		E507055 05				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: 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	
o,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	Analy	yst: 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	Analy	yst: 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	Analy	yst: BA		Batch: 2337009
Chloride	583	40.0	2	09/11/23	09/11/23	



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'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	Analys	st: 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	Analys	st: 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	Analys	st: BA		Batch: 2337009
Chloride	ND	200	10	09/11/23	09/11/23	



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'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	Analy	st: 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	Analy	st: 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	Analy	st: BA		Batch: 2337009
Chloride	ND	200	10	09/11/23	09/11/23	

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'

		D				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Kesuit	Limit	Dilution	Frepareu	Allalyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	Analy	st: 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	Analy	st: 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	Analy	st: BA		Batch: 2337009
Chloride	ND	200	10	09/11/23	09/11/23	·



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

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
o,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	Analys	st: 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	Analys	st: 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	Analys	st: BA		Batch: 2337009
Chloride	28900	2000	100	09/11/23	09/11/23	



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'

		D 4'				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Kesuit	Lillit	Dilution	Frepared	Allalyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	Anal	yst: 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	Anal	yst: 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	Analy	yst: BA		Batch: 2337009
Chloride	8910	400	20	09/11/23	09/11/23	



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'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	Analys	st: 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	Analys	st: BA		Batch: 2337009
Chloride	ND	400	20	09/11/23	09/11/23	•



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'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
o,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	Analy	st: 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	Analy	st: 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	Analy	st: BA		Batch: 2337009
Chloride	ND	400	20	09/11/23	09/11/23	



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	Analys	t: 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	Analys	t: 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	Analys	t: 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	Analys	t: BA		Batch: 2337009
Chloride	74900	2000	100	09/11/23	09/11/23	



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'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	Analy	st: 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	Analy	st: BA		Batch: 2337009
Chloride	3790	400	20	09/11/23	09/11/23	



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'

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
	Limit	Dilution	Prepared	Analyzed	Notes
ag/kg					
ıg/Kg	mg/kg	Analys	t: IY		Batch: 2336061
ND	0.0250	1	09/06/23	09/08/23	
ND	0.0250	1	09/06/23	09/08/23	
ND	0.0250	1	09/06/23	09/08/23	
ND	0.0250	1	09/06/23	09/08/23	
ND	0.0500	1	09/06/23	09/08/23	
ND	0.0250	1	09/06/23	09/08/23	
	96.8 %	70-130	09/06/23	09/08/23	
ng/kg	mg/kg	Analyst: IY			Batch: 2336061
ND	20.0	1	09/06/23	09/08/23	
	82.9 %	70-130	09/06/23	09/08/23	
ng/kg	mg/kg	Analys	t: JL		Batch: 2337002
ND	25.0	1	09/11/23	09/12/23	
ND	50.0	1	09/11/23	09/12/23	
	112 %	50-200	09/11/23	09/12/23	
ng/kg	mg/kg	Analys	t: BA		Batch: 2337009
	ND N	ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 96.8 % 1g/kg mg/kg ND 20.0 82.9 % 1g/kg mg/kg ND 25.0 ND 50.0	ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 96.8 % 70-130 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ND 0.0250 1 09/06/23 ND 0.0250 1 09/06/23 ND 0.0250 1 09/06/23 ND 0.0500 1 09/06/23 ND 0.0500 1 09/06/23 ND 0.0250 1 09/06/23 ND 0.0250 1 09/06/23 96.8 % 70-130 09/06/23 1 09/06/23 1 09/06/23 1 09/06/23 20/08 MB	ND 0.0250 1 09/06/23 09/08/23 ND 0.0250 1 09/06/23 09/08/23 ND 0.0250 1 09/06/23 09/08/23 ND 0.0500 1 09/06/23 09/08/23 ND 0.0250 1 09/06/23 09/08/23 ND 0.0250 1 09/06/23 09/08/23 ND 0.0250 1 09/06/23 09/08/23 96.8 % 70-130 09/06/23 09/08/23 10g/kg mg/kg Analyst: IY ND 20.0 1 09/06/23 09/08/23 82.9 % 70-130 09/06/23 09/08/23 10g/kg mg/kg Analyst: JL ND 25.0 1 09/11/23 09/12/23 ND 50.0 1 09/11/23 09/12/23



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'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	Analy	/st: 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	Analy	/st: 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	Analy	/st: BA		Batch: 2337009
Chloride	454	400	20	09/11/23	09/11/23	



Michael Ryan Fed Com 204 Matador Resources, LLC. Project Name: 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 Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2336061-BLK1) Prepared: 09/06/23 Analyzed: 09/07/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 ND 0.0250 Total Xylenes Surrogate: 4-Bromochlorobenzene-PID 7.40 8.00 92.5 70-130 LCS (2336061-BS1) Prepared: 09/06/23 Analyzed: 09/07/23 4.12 82.5 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.04 0.0250 5.00 80.8 70-130 4.17 0.0250 5.00 83.3 70-130 Toluene o-Xylene 4.19 0.0250 5.00 83.8 70-130 8.38 10.0 83.8 70-130 0.0500 p.m-Xvlene 12.6 15.0 83.8 70-130 Total Xylenes 0.0250 8.00 93.7 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.50 Source: E309035-01 Matrix Spike (2336061-MS1) Prepared: 09/06/23 Analyzed: 09/07/23 4.61 0.0250 5.00 ND 54-133 Benzene ND 61-133 Ethylbenzene 4.51 0.0250 5.00 90.3 Toluene 4.66 0.0250 5.00 ND 93.2 61-130 ND 92.5 63-131 4.63 5.00 0.0250 o-Xylene p,m-Xylene 9.33 0.0500 10.0 ND 93.3 63-131 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.64 8.00 Matrix Spike Dup (2336061-MSD1) Source: E309035-01 Prepared: 09/06/23 Analyzed: 09/07/23 4.38 0.0250 5.00 ND 87.6 54-133 5.06 61-133 4.31 0.0250 5.00 ND 86.2 4.60 20 Ethylbenzene 61-130 Toluene 4 44 0.0250 5.00 ND 88.8 4 92 20 4.41 5.00 ND 88.1 63-131 4.87 20 o-Xylene 0.0250 8.92 10.0 ND 89.2 63-131 4.48 20 p,m-Xylene 0.0500



13.3

7.64

0.0250

15.0

8.00

ND

88.9

95.4

63-131

70-130

4.61

20

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

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

Dallas TX, 75240		Project Manage	r: Ch	nad Hensley				9/1	2/2023 12:41:04PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2336061-BLK1)							Prepared: 0	9/06/23 Anal	yzed: 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: 0	9/06/23 Anal	yzed: 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:	E309035-0	01	Prepared: 0	9/06/23 Anal	yzed: 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:	E309035-0	01	Prepared: 0	9/06/23 Anal	yzed: 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			



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

Dallas TX, 75240		Project Manage	r: Ch	nad Hensley				9/	12/2023 12:41:04PN
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2337002-BLK1)							Prepared: 09	9/11/23 Ana	alyzed: 09/11/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.9		50.0		106	50-200			
LCS (2337002-BS1)							Prepared: 09	9/11/23 Ana	alyzed: 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	9/11/23 Ana	alyzed: 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	9/11/23 Ana	alyzed: 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			



Matrix Spike Dup (2337009-MSD1)

Chloride

82000

QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number Project Manage	: 2	Michael Ryan F 23042-0001 Chad Hensley	ed Com 20	04		g	Reported: 9/12/2023 12:41:04PM
		Anions	by EPA	300.0/9056	A				Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2337009-BLK1)							Prepared: 0	9/11/23 Ar	nalyzed: 09/11/23
Chloride	ND	20.0							
LCS (2337009-BS1)							Prepared: 0	9/11/23 Ar	nalyzed: 09/11/23
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2337009-MS1)				Source:	E309035-	01	Prepared: 0	9/11/23 Ar	nalyzed: 09/11/23
Chloride	84300	2000	250	57200	NR	80-120			M4

250

2000

Source: E309035-01

NR

80-120

2.76

57200

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.



Prepared: 09/11/23 Analyzed: 09/11/23

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Definitions and Notes

ſ	Matador Resources, LLC.	Project Name:	Michael Ryan Fed Com 204	
	5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	Reported:
1	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.



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Chain of Custody

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

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

envirotec 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.

Samples requiring thermal preservation must be received on ice the day they are sampled or received

(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.

packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Z (S)

Received on ice:

73

7

AVG Temp °C

55:35

9/6/23

Reported by Signature

Gate 4.6.23

Relinquished by: (Signature)

Date

Relinquished by: (Signature)

Time

Date

Received by: (Signature)

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

9.5.V3

G-Sal

Received by: (Signature)

Received by: (Signature

Time 1800

1730

9-5-23

Relinquished by: (Signature) elinquished by: (Signature) Page 27 of 33

Client: Matador		Bill To			Lab Use Only	TAT	T	2
Project: Michael Ryan Project Manager: C. Hous In		Attention: Talou LRE Address:	Lab	Lab WO# F 20903.5	Job Number	10 2D 3D	Standard	CWA SDWA
1.	110001.	City, State, Zip			Analysis and Method	thod		X RCRA
- 79	1000	Email:	STO	ST				State
Email: Mok & Jajon LPE.Com. Report due by:	E.Com		O by 80	1208	0.008	XT-S(NM V	XT AZ TU
ampled Matrix	No. of Containers Sample ID		Lab Number	евО/рв	Metals 6 Chloride BGDOC	TCEQ 100		Remarks
1 1.52 55-23 0190	16 4-5 1		× =	× ×	×		i i	
h160	16		12					
3921	5-5	Surface	(3					
00.26		11	14					
0935		21	5					
7 7 269		14:	9	7	-1			21
		#()						
Additional Instructions:				24				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware date or time of collection is considered fraud and may be grounds for legal action.	nticity of this sample. I am	that tampering with or intentionally Sampled by:	mislabelling the sample location,		Samples requiring theri packed in ice at an avg	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.	ceived on ice the day the	ley are sampled or rece s.
Relinguished by: (Signature)	Date Time	Received by	95.23	Time 730	Received on ice:	Lab Use Only	ام	
Relinquished Dr. (Signature)	Ogte S.23 Time	Time Received by: (Signature)	2	Time 800	_ 17		73	
350	a.6.23	43 Gaved by Chignery Man	91623	で い 35	AVG Temp °C_	h		
Relinquished by: (Signature)	Date Time	Received by: (Signature)	Date	Time				
				371	11 17		-	

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Page 28 of 33

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

Envirotech Analytical Laboratory

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)		
CI '	10 11 (000)					
	f Custody (COC)		***			
	the sample ID match the COC? the number of samples per sampling site location materials.	ch the COC	Yes			
	samples dropped off by client or carrier?	en une coc	Yes Yes	Ci Ci		
	ne COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	Carrier: <u>Courier</u>		
	all samples received within holding time?	ica anaryses.	Yes			
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion		103		Comment	s/Resolution
	Turn Around Time (TAT)					
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample			***			
	sample cooler received?		Yes			
•	was cooler received in good condition?		Yes			
	ne sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
	he sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	received w/i 15	Yes <u>C</u>			
Sample	Container_					
	aqueous VOC samples present?		No			
15. Are	VOC samples collected in VOA Vials?		NA			
16. Is the	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field La						
	e field sample labels filled out with the minimum info	rmation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		No			
	Preservation	10	2.7			
	the COC or field labels indicate the samples were pro-	eservea?	No			
	sample(s) correctly preserved?	oto1a9	NA			
	o filteration required and/or requested for dissolved m	etais?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multiphas		No			
27. If ye	s, does the COC specify which phase(s) is to be analy	zed?	NA			
Subcont	ract Laboratory					
	samples required to get sent to a subcontract laborator a subcontract laboratory specified by the client and if	•	No NA	Subcontract Lab: NA		
Client I	nstruction					
						_

CA

Page / of

Chain of Custody

Project Information

Page 30 of 33

Client: /	lient: Matalor			-	BIIITo				Lab U	Lab Use Only	ıly			TAT	1	EPA P	EPA Program
Project:	Project: Michael Payan	1 Peye	24	-	Attention: Talos (1'6	1	Lab W	#0		Job	Job Number	_	1D 2D	3 3D	Standard	CWA	SDWA
roject l	Project Manager: C. Henskey	Hen	hal		Address:		E3	290	33	23	1.270	8			¥		
ddress	Address: 400 W. Texas	10to	.5		City, State, Zip					Anal	Analysis and Method	Metho	P			×	RCRA
ity, Sta	City, State, Zip Actoria Nov. 882/0	Lesia,	Non	0/88	Phone:												
hone:	Phone: 575-746-8768	16-8	874		Email:			ST								State	
mail:	Email: mose & talon CPE. Com	talor	ってアセ	com					-						NM CO	UT AZ	X
eport c	Report due by:								-	* ***	eder.				×		
Time Sampled	Date Sampled	Matrix	No. of Containers	No. of Sample ID		Lab	но/она	GRO/DF	VOC by	Metals 6	Chloride	BGDOC TCEQ 100				Remarks	
318	118 9-5-23 Soil	1.05	1	5-3	Surface		×	X			×-						
0126				5-2	11	7											
1210				8-2	21	3											

5

Surface

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1410

0132

16

5-2

J

9

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Surface

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08.20

1010

5-4

Additional Instructions:

15

5.3

3

5-3

0809

1230

0159

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I. ffield sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location	enticity of this sample	. I am aware that t	ampering with or intentionally mislabelling the	e sample location.		Samples requiring thermal preservation must be received on ice the day they are sampled or received
date or time of collection is considered fraud and may be grounds for legal action.	nd may be grounds for	legal action.	Sampled by:			packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.
Relinquished by: (Signature)	9-5-23	Ime (Received by: (Signature)	9-5-23	Time 1730	Received on ice: (Y)/ N
Relinquished by (Signature)	9-52	Time COS	Received by: (Signature) 1 Date Time 1860	9.5.V3	Time 1880	1 7 H
Relinguished by: (Signature)	9.6.23 Time	Time 7430	Regived by Sknatur Mar	9/6/23	5:35	9/6/23 Fine 35 AVG Temp °C 4
Relinquished by: (Signature)	Date	Time '	Received by: (Signature)	Date	Time	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other	A - Aqueous, O - Othe			Container Type:	B - Blass, p - po	Container Type: B - Blass, p - poly/plastic, ag - amber glass, v - VOA
Note: Samples are discarded 30 days	after results are re	ported unless off	ner arrangements are made. Hazardous sereceived by the laboratory with this C	s samples will be r OC. The liability of	eturned to client the laboratory is	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 and for an the report.
				lo famigai ann ao	The second secon	mines to the amount paid on the tepolic

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Chain of Custody

Project Information

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RCRA Jorrecked Sound SDWA EPA Program SE SE X CWA NM CO UT AZ Remarks 9/6/23 State COMMOD. Standard 30 1D 2D Analysis and Methoc Lab WO# Job Number | 23042 · 0001 ICEO 1005-1X BEDOC - NW Chloride 300.0 Lab Use Only Netals 6010 10C ph 85e0 BIEX by 8021 STO8 49 080/085 200 VO 080 VO 8015 Number Lab 3 N Attention: Talou LPE Bill To City, State, Zip Sarkace Address: Phone: Email: 16 H-S Sample 1D 5-4 City, State, Zip Artesia 1111 88210 Email: MOR @ tolon (PE. Com No. of Containers Project Manager: C. Hensley Project: Michael Ryan Phone: 575-746-8768 Address: 408 W. Texas 50% Matrix Client: Matador 8-5-33 Date Sampled Report due by: Sampled 0180 1216 41 40 Time

9

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8-5

Additional Instructions:

て

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with date or time of collection is considered fraud and may be grounds for legal action.	ticity of this sample may be grounds for	. I am aware that the legal action.	ampering with or intentionally mislabelling the sample location, Sampled by:	the sample location,		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avig temp above 0 but less than 6 $^{\circ}$ C on subsequent days.
Relinguishes by: (Signature)	9-5-33 Time 730	Time 1730	Received by: (Signature)	945.27	Time 730	Lab Use Only Received on ice: (7) / N
Relinquished The (Signature)	CC 5-33	Time (800)	Received by: (Signature)	19.5.23 TIMBOO		7 7 T
Relinquished by: (Signature)}	9.6.23 Time	Time 43	Kogwed to Bignasum Man	9162 5:35		AVG Temp °C. \mathcal{H}
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Тіте	
Sample Matrix: 5 - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other	Aqueous, O - Other			Container Type:	. B - Blass, p - po	Container Type: B - glass, p - poly/plastic, ag - amber glass, v - VOA
Note: Samples are discarded 30 days af	ter results are re	ported unless oth	ner arrangements are made. Hazardo	us samples will be r	returned to client	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 camples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount had for on the construction.

Released to Imaging: 3/20/2024 11:10:58 AM

Chain of Custody

Project Information

Page 1 of 2

TAT EPA Program	3D Standard CWA SDWA	X RCRA		State	NM CO UT AZ TX	Remarks	Corrected	Propert may	Der Charl, H	9/11/23 PM	>							Samples requiring thermal preservation must be received on itselve day they are sampled or received packed in itselve as an ave templatory of but less than 6. "Con subsequent days."	Only	þ			OA	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 received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.	
Lab Use Only	Job Number 1D 2D 3	Analysis and Method			WN -	Metals (Chlonde Bodoc TCEQ 100	×-											Sampler requiring thermal preservation must be received on realthe day the packed in ice as an ang temp above 0 but less than 6 "Con subsequent days.	Lab Use Only (Y)/ N		AVG Temp °C 4		Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA	Odays after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The rep 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	,
Lab	Lab WO# F 209025	2			80ST	DRO/OR	× × ×									1		location,	23 True	.23 [Boo	123 5:35	Time	ner Type: g - glass, p -	es will be returned to cli liability of the laborator	
10	Cla					Lab		7	3	4	70	9	2	8	Ь	9		ily mistabeling the sample	Ouch Gase	Acts 9-5	Mar 9/6) Date	Conta	ade. Hazardous sample story with this COC. The	
BIII To	Attention: Taloa Address:	City, State, Zip	Phone:	Email:			Surface	1,1	21	dı.	Sulkace	,,	10	16	Surface	A. T.		I, (field sampler), attest to the validity and authenticity of this sample. Farn aware that lampeting with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.	Received by: (Signature)	Received by: (Signature)	Regard By Skinatur	Received by: (Signature)		s other arrangements are minples received by the labora	
	Lengton red Com 204 p		New ,882/0		4007	, Sample ID	5-3	5-2	8-2	8-2	5-3 5	5-3	8-3 °	5-3	5-4 500	1 h-s		ity of this sample. I am aware t ay be grounds for legal action.	9-5-23 Time 9-5-23	39°533 Time 300	9.6.23 Tune	Date Time	theous, O · Other	r results are reported unles applicable only to those sar	
	1/4	1.70	100025-02		e Talon CIE. con	mpled Matrix Containers	23 Soil 1									-	ructions:	t, (field sampler), attest to the validity and authenticity of this sample. Tam aware date or time of collection is considered fraud and may be grounds for legal action.		J.	500		Sample Matrix. S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other	are discarded 30 days after samples is	
Client: Matalac	Project: Mickey	Address: 408	City, State, Zip Acheria		Report due by:	Time Date Sampled	C1 K 9-5-23	6724	12/0	6732	1470	4510	0809	1289	08.21	1010	Additional Instructions:	t, (field sampler), atte date or time of collect	Relinquished by (Signature)	Relinquished by (Signature)	Relinquished by: (Signature	Relinquished by: (Signature)	Sample Matrix. 5 - So	Note: Samples	

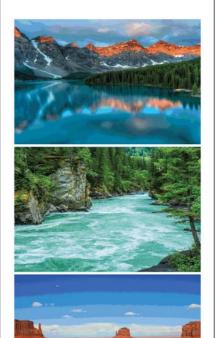
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Project Information

Chain of Custody

Standard CWA SDWA	AZ AZ	Remarks	Corrected Sounds	MOJIMBO.	916/23 OM							ed on ice the day they are sampled or received on subsequent days.		ħ			report for the analysis of the above port.
12 0001 10 20 30 42 0001 10 20 30 10 10 10 10 10 10 10 10 10 10 10 10 10	X1-9 WN - 07008	Chloride BGDOC 2000	×									Samples requiring thermal preservation must be received on as 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		AVG Temp °C 4		blastic, ag - amber glass, v - VOA disposed of at the client expense. The nited to the amount paid for on the rep
Lab WO# Job Nu E 309035 230	0978		XXXII	1	(3)		15	1 1 01					9527 Time Re	14.5.23 TW 800 TI	5:35	Time	ments are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.
388	Phone: Email:	Sample ID	131	7/h-S	5.5 Jackace	8-5 //	5-5 21	3-5 41				ly, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mistabelling the sample focation, date or time of collection is considered fraud and may be grounds for legal action. Sampled by.	Co Co	Time Received by: (Signature)	the man Man	y: (Signature)	orted unless other arrangements are made. to those samples received by the laboratory
Manager: C. Hensley "Yob W. Texas	City, State, Zip. At he six. A. M. J. B. B. A. J. Phone: 5.75-794-8.768. Email: 17,08. © 15,04 (. P. F. Corr., Report due by:	Matrix Containers	4-5 / 5-4	Ś	7	\$		8 1 1			ons:	I, field sampler), attest to the validity and authenticity of this sample. Tam aware date or time of collection is considered fraud and may be grounds for legal action.	Pate 9-S	CS IN THE	950	A STATE OF THE PARTY OF THE PAR	Sample Matrio: 5 - Soil, 5d - Soild, 5g - Studge, A. Aqueous, O - Other Note: Samples are discarded 30 days after results are rep samples is applicable only
Project: Michael R. Project Manager: C. Hen. Address: 408 W. Texas	City, State, Zip Ar Festa A.J. Phone: 575-746-3768 Email: 77.08. 6 50-64. Li Report due by:	Time Date Sampled	0910 9-5-23	1140	3921	09.26	0936	T 25.59			Additional Instructions:	Id sampler), attest to the or time of collection is	Relinguished by: (Signature)	Relinguished Misteradical	Relinquished by: (Signature)	Relinquished by: (Signature)	pe Matin: 5 - Soil, Sd - Note: Samples are d

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

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: 12/1/23

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

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Client Representative Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Michael Ryan	Donouted.
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
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.



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

		2011200 01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	Analy	st: 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	Analy	st: 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	Analy	st: BA		Batch: 2348080
Chloride	406	200	10	11/30/23	11/30/23	

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

		Reporting			·	
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	An	alyst: 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	An	alyst: 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	An	alyst: BA		Batch: 2348080
Chloride	482	200	10	11/30/23	11/30/23	



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

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	Analy	st: 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	Analy	st: 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	Analy	st: BA		Batch: 2348080



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

		D				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	Analy	st: 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	Analy	st: 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	Analy	st: BA		Batch: 2348080
-	ND	200	10	11/30/23	12/01/23	



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'

	L511200 05				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	rst: RAS		Batch: 2348022
ND	0.0250	1	11/27/23	11/29/23	
ND	0.0250	1	11/27/23	11/29/23	
ND	0.0250	1	11/27/23	11/29/23	
ND	0.0250	1	11/27/23	11/29/23	
ND	0.0500	1	11/27/23	11/29/23	
ND	0.0250	1	11/27/23	11/29/23	
	92.4 %	70-130	11/27/23	11/29/23	
mg/kg	mg/kg	Analy	rst: RAS		Batch: 2348022
ND	20.0	1	11/27/23	11/29/23	
	95.6 %	70-130	11/27/23	11/29/23	
mg/kg	mg/kg	Analy	st: KM		Batch: 2348073
ND	25.0	1	11/30/23	11/30/23	
ND	50.0	1	11/30/23	11/30/23	
	95.8 %	50-200	11/30/23	11/30/23	
mg/kg	mg/kg	Analy	rst: BA		Batch: 2348080
213	200	10	11/30/23	12/01/23	
	mg/kg ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0 95.6 % mg/kg MD 25.0 ND 50.0 95.8 % mg/kg mg/kg mg/kg	mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 92.4 % 70-130 mg/kg mg/kg Analy ND 20.0 1 95.6 % 70-130 1 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 95.8 % 50-200 mg/kg mg/kg Analy	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RAS ND 0.0250 1 11/27/23 ND 0.0250 1 11/27/23 ND 0.0250 1 11/27/23 ND 0.0500 1 11/27/23 ND 0.0250 1 11/27/23 ND 0.0250 1 11/27/23 mg/kg mg/kg Analyst: RAS ND 20.0 1 11/27/23 mg/kg mg/kg Analyst: KM ND 25.6 % 70-130 11/27/23 mg/kg mg/kg Analyst: KM ND 25.0 1 11/30/23 ND 50.0 1 11/30/23 Mg/kg mg/kg Analyst: BA	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RAS ND 0.0250 1 11/27/23 11/29/23 ND 0.0250 1 11/27/23 11/29/23 ND 0.0250 1 11/27/23 11/29/23 ND 0.0500 1 11/27/23 11/29/23 ND 0.0250 1 11/27/23 11/29/23 ND 0.0250 1 11/27/23 11/29/23 mg/kg mg/kg Analyst: RAS ND 20.0 1 11/27/23 11/29/23 mg/kg mg/kg Analyst: RAS ND 20.0 1 11/27/23 11/29/23 mg/kg mg/kg Analyst: KM ND 25.0 1 11/30/23 11/30/23 ND 50.0 1 11/30/23 11/30/23 Mg/kg mg/kg Analyst: BA



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'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	Analys	st: 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	Analys	st: 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	
	mg/kg	mg/kg	Analys	st: BA		Batch: 2348080
Anions by EPA 300.0/9056A	**********	88				



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'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: 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	
o,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	Analy	yst: 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	Analy	yst: 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	Analy	yst: BA		Batch: 2348080
Chloride	ND	200	10	11/30/23	12/01/23	



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'

	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	st: RAS		Batch: 2348022
ND	0.0250	1	11/27/23	11/29/23	
ND	0.0250	1	11/27/23	11/29/23	
ND	0.0250	1	11/27/23	11/29/23	
ND	0.0250	1	11/27/23	11/29/23	
ND	0.0500	1	11/27/23	11/29/23	
ND	0.0250	1	11/27/23	11/29/23	
	92.2 %	70-130	11/27/23	11/29/23	
mg/kg	mg/kg	Analys	st: RAS		Batch: 2348022
ND	20.0	1	11/27/23	11/29/23	
	96.4 %	70-130	11/27/23	11/29/23	
mg/kg	mg/kg	Analys	st: KM		Batch: 2348073
ND	25.0	1	11/30/23	11/30/23	
ND	50.0	1	11/30/23	11/30/23	
	97.5 %	50-200	11/30/23	11/30/23	
mg/kg	mg/kg	Analys	st: BA		Batch: 2348080
<u> </u>					
	mg/kg ND	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0250 MD 20.0 96.4 % mg/kg ND 25.0 ND 50.0 97.5 %	mg/kg mg/kg Analys ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 92.2 % 70-130 mg/kg mg/kg Analys ND 20.0 1 96.4 % 70-130 70-130 mg/kg mg/kg Analys ND 25.0 1 ND 50.0 1 97.5 % 50-200	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RAS ND 0.0250 1 11/27/23 ND 0.0250 1 11/27/23 ND 0.0250 1 11/27/23 ND 0.0500 1 11/27/23 ND 0.0250 1 11/27/23 ND 0.0250 1 11/27/23 mg/kg mg/kg Analyst: RAS ND 20.0 1 11/27/23 mg/kg mg/kg Analyst: KM ND 25.0 1 11/30/23 ND 50.0 1 11/30/23 97.5 % 50-200 11/1/30/23	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RAS Analyst: RAS ND 0.0250 1 11/27/23 11/29/23 ND 0.0250 1 11/27/23 11/29/23 ND 0.0250 1 11/27/23 11/29/23 ND 0.0500 1 11/27/23 11/29/23 ND 0.0250 1 11/27/23 11/29/23 ND 0.0250 1 11/27/23 11/29/23 mg/kg mg/kg Analyst: RAS ND 20.0 1 11/27/23 11/29/23 mg/kg mg/kg Analyst: KM ND 25.0 1 11/30/23 11/30/23 ND 50.0 1 11/30/23 11/30/23 ND 50.0 1 11/30/23 11/30/23 97.5 % 50-200 11/30/23 11/30/23



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'

Reporting						
Result	Limit	Dilution	Prepared	Analyzed	Notes	
mg/kg	mg/kg	Analy	st: RAS		Batch: 2348022	
ND	0.0250	1	11/27/23	11/29/23		
ND	0.0250	1	11/27/23	11/29/23		
ND	0.0250	1	11/27/23	11/29/23		
ND	0.0250	1	11/27/23	11/29/23		
ND	0.0500	1	11/27/23	11/29/23		
ND	0.0250	1	11/27/23	11/29/23		
	91.6 %	70-130	11/27/23	11/29/23		
mg/kg	mg/kg	Analy	st: RAS		Batch: 2348022	
ND	20.0	1	11/27/23	11/29/23		
	97.5 %	70-130	11/27/23	11/29/23		
mg/kg	mg/kg	Analy	st: KM		Batch: 2348073	
ND	25.0	1	11/30/23	12/01/23		
ND	50.0	1	11/30/23	12/01/23		
			11/20/22	12/01/22		
	95.6 %	50-200	11/30/23	12/01/23		
mg/kg	95.6 % mg/kg	50-200 Analy		12/01/23	Batch: 2348080	
	mg/kg ND	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 MD 0.0250 91.6 % mg/kg ND 20.0 97.5 % mg/kg MD 25.0	Result Limit Dilution mg/kg mg/kg Analys ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 91.6 % 70-130 mg/kg mg/kg Analys mg/kg mg/kg Analys mg/kg mg/kg Analys ND 25.0 1	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RAS ND 0.0250 1 11/27/23 ND 0.0250 1 11/27/23 ND 0.0250 1 11/27/23 ND 0.0250 1 11/27/23 ND 0.0500 1 11/27/23 ND 0.0250 1 11/27/23 mg/kg mg/kg Analyst: RAS ND 20.0 1 11/27/23 mg/kg mg/kg Analyst: KM ND 25.0 1 11/30/23	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RAS ND 0.0250 1 11/27/23 11/29/23 ND 0.0250 1 11/27/23 11/29/23 ND 0.0250 1 11/27/23 11/29/23 ND 0.0500 1 11/27/23 11/29/23 ND 0.0250 1 11/27/23 11/29/23 ND 0.0250 1 11/27/23 11/29/23 mg/kg mg/kg Analyst: RAS ND 20.0 1 11/27/23 11/29/23 mg/kg mg/kg Analyst: KM ND 25.0 1 11/30/23 12/01/23	



Chloride

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					
		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: R	AS		Batch: 2348022
Benzene	ND	0.0250	1	1	11/27/23	11/29/23	
Ethylbenzene	ND	0.0250	1	1	11/27/23	11/29/23	
Toluene	ND	0.0250	1	1	11/27/23	11/29/23	
o-Xylene	ND	0.0250	1	1	11/27/23	11/29/23	
p,m-Xylene	ND	0.0500	1	1	11/27/23	11/29/23	
Total Xylenes	ND	0.0250	1	l	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: R	AS		Batch: 2348022
Gasoline Range Organics (C6-C10)	ND	20.0	1	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: K	М		Batch: 2348073
Diesel Range Organics (C10-C28)	ND	25.0	1	1	11/30/23	12/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	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: B	A		Batch: 2348080

200

238

11/30/23

10

12/01/23



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'

	L511200 11				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	st: RAS		Batch: 2348022
ND	0.0250	1	11/27/23	11/29/23	
ND	0.0250	1	11/27/23	11/29/23	
ND	0.0250	1	11/27/23	11/29/23	
ND	0.0250	1	11/27/23	11/29/23	
ND	0.0500	1	11/27/23	11/29/23	
ND	0.0250	1	11/27/23	11/29/23	
	92.2 %	70-130	11/27/23	11/29/23	
mg/kg	mg/kg	Analys	st: RAS		Batch: 2348022
ND	20.0	1	11/27/23	11/29/23	
	95.5 %	70-130	11/27/23	11/29/23	
mg/kg	mg/kg	Analys	st: KM		Batch: 2348073
ND	25.0	1	11/30/23	12/01/23	
ND	50.0	1	11/30/23	12/01/23	
	97.5 %	50-200	11/30/23	12/01/23	
mg/kg	mg/kg	Analys	st: BA		Batch: 2348080
227	200	10	11/30/23	12/01/23	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 MB/kg mg/kg MB/kg mg/kg ND 20.0 95.5 % mg/kg ND 25.0 ND 50.0 97.5 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analys ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 92.2 % 70-130 70-130 mg/kg mg/kg Analys ND 20.0 1 95.5 % 70-130 mg/kg mg/kg Analys ND 25.0 1 ND 50.0 1 97.5 % 50-200 mg/kg Mg/kg Analys	Reporting Result Limit Dilution Prepared mg/kg Manalyst: RAS ND 0.0250 1 11/27/23 ND 0.0250 1 11/27/23 ND 0.0250 1 11/27/23 ND 0.0250 1 11/27/23 ND 0.0500 1 11/27/23 ND 0.0250 1 11/27/23 mg/kg mg/kg Analyst: RAS ND 20.0 1 11/27/23 mg/kg mg/kg Analyst: KM ND 25.5 % 70-130 11/27/23 mg/kg mg/kg Analyst: KM ND 25.0 1 11/30/23 ND 50.0 1 11/30/23 Mg/kg mg/kg Analyst: BA	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RAS ND 0.0250 1 11/27/23 11/29/23 ND 0.0250 1 11/27/23 11/29/23 ND 0.0250 1 11/27/23 11/29/23 ND 0.0500 1 11/27/23 11/29/23 ND 0.0250 1 11/27/23 11/29/23 MD 0.0250 1 11/27/23 11/29/23 mg/kg mg/kg Analyst: RAS ND 20.0 1 11/27/23 11/29/23 mg/kg mg/kg Analyst: KM ND 25.0 1 11/30/23 12/01/23 ND 50.0 1 11/30/23 12/01/23 ND 50.0 1 11/30/23 12/01/23 mg/kg mg/kg Analyst: BA



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'

		ъ .:				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Maryte	Result	Liiiit		•	rmaryzed	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	Analy	st: 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	Analy	st: 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	
A . 1 EDA 200 0/005CA	mg/kg	mg/kg	Analy	st: BA		Batch: 2348080
Anions by EPA 300.0/9056A	<u> </u>	<u>_</u>				



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'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
o,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	Analy	st: 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	Analy	st: 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	Analy	st: BA		Batch: 2348080
Chloride	ND	200	10	11/30/23	12/01/23	



Chloride

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				
		Reporting				
Analyte	Result	Limit	Dilut	tion Prepare	ed Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	P	Analyst: RKS		Batch: 2348022
Benzene	ND	0.0250	1	11/27/2	11/29/23	
Ethylbenzene	ND	0.0250	1	11/27/2	11/29/23	
Toluene	ND	0.0250	1	11/27/2	11/29/23	
o-Xylene	ND	0.0250	1	11/27/2	11/29/23	
p,m-Xylene	ND	0.0500	1	11/27/2	3 11/29/23	
Total Xylenes	ND	0.0250	1	11/27/2	3 11/29/23	
Surrogate: 4-Bromochlorobenzene-PID		92.9 %	70-130	11/27/2	11/29/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: RKS		Batch: 2348022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/2	11/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.5 %	70-130	11/27/2	23 11/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM		Batch: 2348073
Diesel Range Organics (C10-C28)	ND	25.0	1	11/30/2	12/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/30/2	3 12/01/23	
Surrogate: n-Nonane		93.9 %	50-200	11/30/2	23 12/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	P	Analyst: BA		Batch: 2348080

200

10

11/30/23

ND



12/01/23

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				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	Anal	yst: 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	Anal	yst: 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	Anal	yst: BA		Batch: 2348080
Chloride	305	200	10	11/30/23	12/01/23	



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

8.00

93.4

70-130



Surrogate: 4-Bromochlorobenzene-PID

7.48

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

Dallas TX, 75240		Project Manager	r: Ch	ad Hensley					12/1/2023 12:38:25PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2348022-BLK1)							Prepared: 1	1/27/23	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: 1	1/27/23	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:	E311192-0)1	Prepared: 1	1/27/23	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:	E311192-0)1	Prepared: 1	1/27/23	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			



Matador Resources, LLC.Project Name:Michael RyanReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Chad Hensley12/1/2023 12:38:25PM

Danas 1X, 73240		1 Toject Wianage	i. Ch	ad Hensiey					2/1/2025 12.50.2511
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2348073-BLK1)							Prepared: 1	1/30/23 An	alyzed: 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: 1	1/30/23 An	alyzed: 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:	E311200-0	04	Prepared: 1	1/30/23 An	alyzed: 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:	E311200-0	04	Prepared: 1	1/30/23 An	alyzed: 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			



Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2.	fichael Ryan 3052-0001 had Hensley					Reported: 12/1/2023 12:38:2	25PM
		Anions l	by EPA	300.0/9056 <i>A</i>	1				Analyst: BA	
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limi %		
Blank (2348080-BLK1)							Prepared:	11/30/23	Analyzed: 11/30/2	3
Chloride	ND	20.0								
LCS (2348080-BS1)							Prepared:	11/30/23	Analyzed: 11/30/2	3
Chloride	248	20.0	250		99.3	90-110				
Matrix Spike (2348080-MS1)				Source:	E311200-0	13	Prepared:	11/30/23	Analyzed: 11/30/2	3
Chloride	824	200	250	572	101	80-120				
Matrix Spike Dup (2348080-MSD1)				Source:	E311200-0	13	Prepared:	11/30/23	Analyzed: 11/30/2	3
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

ſ	Matador Resources, LLC.	Project Name:	Michael Ryan	
١	5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
١	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.



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.

envirotec

Section Part	Page Information				,									Page .
Design Control Contr	ent: Mat-	2200			Din: Mata		Lab Wol		Job N 230 Analys	umber 52 - CS	10 10 ethod	2D 3	Standard	12
Date Sampled Matrix Ward Sample D	1-55-746 1-55-746 1-050 0	260	1. 889.								XI-		NM	State UT AZ 7
	Date Sampled		Sample ID	,		Lab		<u> </u>			.CEG 1002		*	Remarks
1	931 11-2223 50	-	Swi	-1		شدا	1		-	-	L	10	-	
1 1 2 3 5 6 6 6 6 6 6 6 6 6	1936			3		7					7		: K	.12
C	0938			Σ.	•	2					-			
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Instructions: A A B B B	CAM		J	13.51		S					-		-	
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Time 920 Time 7:30	1 6360			8	5	0				-	+		1	
Time 920 Time 7:30	Additional Instructions:					23		-	7	1	+	-		
Relinquished by: (Signature) Received by: (Signature) Relinquished by: (Signature) Relinquished by: (Signature) Date Time Received by: (Signature) Received by: (Signature) Received by: (Signature) Relinquished by: (Signature) Date Time Received by: (Signature) Date Date Date Date Date Date Date Date	1, (field sampler), attest to the validity date or time of collection is considere	and authenticity of fraud and may b	of this sample. I	am aware that tamp	ering with or intentionally mislabelli Sampled by:	ing the sample locat	ou,		Samples re	aquiring then	nal preserva	on must be received	red on ice the day	hey are sampled or receiv
Relinquished by: (Signature) Relinquished by: (Signature) Date Time Received by: (Signature) Relinquished by: (Signature) Date Time AVG Temp °C AVG Temp °C Container Varie a solid, Sg - Sludge, A - Aqueous, O - Other	Relinquished by: (Signature)	Date //-	TI 50-00		ceived by: (Signature)	Date 02	23 Time	128	, and a		1	b Use Only	on subsequent da	2
Relinquished by: (Signature) Received by: (Signature) Received by: (Signature) Received by: (Signature) Date Time Received by: (Signature) Date Time AVG Temp °C Container Tyme a glace is solid, \$6 - S	Relinquished by (Signature)	Date	22.23	4300	Monte Rignature	Date 11/27/	ま に に	30	T. L.			z	ı	
Relinquished by: (Signature) Received by: (Signature) Sample Marks: S-Soil, Sg-Sludge, A - Aqueous, O - Other	Relinedristied by: (Alghature)	Date		•	ceived by: (Signature)	Date	- Ime		AVGT	J. uma	1		5	1
Sample Matrix: S - Soil, Sd - Soild, Sg - Studge, A - Aqueous, O - Other	Relinquished by: (Signature)	Date	<u> </u>	6	reived by: (Signature)	Date	Пте					٥		
	Sample Matrix: S - Soil, Sd - Solid, Sg -	Sludge, A - Aqueo	us, O - Other			Container	VDE: E - E	ass. n - n		20 20	opor opo			

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٠;

Chain of Custody

Select | To rmation

envirotec

Page of OCD: 1/2/2024 3:46:50 PM

WA SDWA NA SWA NA Samples requiring thermal preservation must be received on ico the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. **EPA Program** 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 UT AZ Remarks CWA State 8 Standard NM m 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. Z ab Use Only 30 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA **2D** 10 10b Number 7.3052 - 000 Analysis and Method য TCEQ, 1005-TX Received on ice: BCDOC - NW AVG Temp °C Chloride 300.0 Lab Use Only Metals 6010 **VOC by 8260** ESULOCO 7:30 20 BIEX by 8021 GRO/DRO by 8015 Time Date 11/27/13 DRO/ORO by 8015 (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, Number 2 Lab オー 5 2 Date Date Received by: (Signature) Received by: (Signature) Received by Signature City, State, Zip Attention: Address: Phone: Email: L J Time 920 date or time of collection is considered fraud and may be grounds for legal action. + 88210 00 0-10 6-7 1-0 Tme alou (Pp. Com Sample ID Sample Matric: S - Soil, Sd - Soild, Sg - Sludge, A - Aquecus, O - Other Date 11-38-33 11.22.23 ran Date No. of Containers Date Matrix Soil Additional Instructions: Relinquished by: (Signature) Relinquished by: (Signature) Ec-ce-11 Date Sampled Zip Ar react: Manager. 200 Mont due by: state, State State Boog 1019 (1013 poldu g Sone: HE SE me

Page 27 of 30

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

Envirotech Analytical Laboratory

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)		
<i>C</i> !	20 11 (000)					
	Custody (COC)					
	he sample ID match the COC?	tal the COC	Yes			
	he number of samples per sampling site location ma	ich the COC	Yes			
	amples dropped off by client or carrier? e COC complete, i.e., signatures, dates/times, reque	-4-410	Yes Yes	Carrier: Courie	<u>er</u>	
		sted analyses?	Yes			
J. Wele a	Ill samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi		168		<u>Commen</u>	ts/Resolution
Sample '	<u> Furn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	e 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			
	ne sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples an minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes C			
	<u>Container</u>	<u>-</u>	_			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	con-VOC samples collected in the correct containers	?	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field La						
•	field sample labels filled out with the minimum info	ormation:				
	ample ID?		Yes			
Γ	Pate/Time Collected?		Yes			
(Collectors name?		No			
	Preservation					
	the COC or field labels indicate the samples were p	reserved?	No			
	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved r	netals?	No			
Multiph:	ase Sample Matrix					
	the sample have more than one phase, i.e., multipha		No			
27. If yes	s, does the COC specify which phase(s) is to be anal	yzed?	NA			
Subcont	ract Laboratory					
28. Are s	amples required to get sent to a subcontract laborate	ory?	No			
29. Was a	a subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab: NA	Λ.	
Client I	nstruction					

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

Matador			行動を強い	2	Only	TAT	Ctondard	EPA Program	_ <
Chea!	Lyan	Attention: / / / / Attack	Lab WO#		22067-CON	TD 7D 2D	Stalinain	1	5
Address: C. Hebsel	1	City State Zin	The -	200	Analysis and Method		(RCRA	T _A
City State Zin A-1-200	1001. Ran.	Phode:		- 5				×	T
Phone: 575-746-876	000	Email:						te	П
Arose @ Ta	lon 186. Com			0978	0.00E £		NM CO	UT AZ TX	
ampled Matrix	No. of Sample ID	3	Number ORO/OR	AOC PÀ	Metals (Chloride		-	Remarks	
93/ 142223 50:1	1 5w-1		1	×	×	- 10 m			
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0836	N	t ·	3						
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0958	5	3.5	G				5-1	5.00	4
1 6560	0)	335 1	2				Nate	e 11/5	一
Additional Instructions:							P	MA	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with date or time of collection is considered fraud and may be grounds for legal action.	nticity of this sample. I am av d may be grounds for legal ac	ware that tampering with or intentionally mislabelling the sample location, tion.	the sample location,	is a	mples requiring therma icked in ice at an avg ter	Samples requiring thermal preservation must be received on ice the day the packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.	ved on ice the day the	ekare sampled or received	peived
Relinquished by: (Signature)	14-22-23 Time	Received by: (Signature)	Date 22.23 Time 7.	9	Received on ice:	y N N			
Relinquished by [Signature]	Date Time Time 1	230 Chrom Renging	Date Time Time 7:30	0	71) [2]	E.		77a.,
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Relinquished by: (Signature)	Date Time	Received by: (Signature)	Date Time			3			
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other	- Aqueous, O - Other		Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA	ass, p - pol	//plastic, ag - am				
Note: Samples are discarded 30 days a	ifter results are reported is is applicable only to tho	Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to dient or disposed of at the client expense. The reports 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.	ous samples will be returned COC. The liability of the la	ed to client or boratory is	or disposed of at the limited to the amo		The report for the analysis of the above report.	analysis of the ar	pove
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Chain of Custody

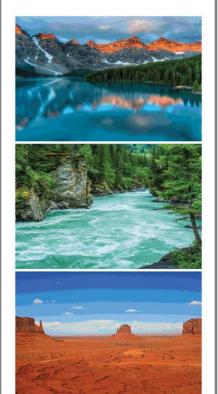
Project Information

envirotec samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Project Information			Chain o	Chain of Custody				Page 3 of	8
Client: Matador Project: M.C.Loal Ry Project Manager: C. Her Ste Address: 408 WTR Ke	and		Attention: Materdoc Address: City, State, Zip	Lab	Lab Woe Only Job Nu 10b Nu	a Dolly Job Number 1D 2002 - 2000 Analysis and Method	ZD 3D Standard	EPA Program CWA SDWA	ed by OCD:
City, State, Zip Art Sia, A Phone: 575-746-87 Email: 7ros 67404	14,88211 666 190,000	0	· · ·	PV 8015	170	0.00 MV	W _N	State CO UT AZ TX	1/2/2024
Time Date Sampled Matrix Con	No. of Containers Sample ID	1		Lab Number	еко/рко 8 тех by 8 3 ос by 83	Metals 60 Chloride 3 TCEQ 1005		Remarks	3:46:5
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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.	enticity of this sample nd may be grounds fo	e. I am aware that ta r legal action.	mpering with or intentionally mislabelling the Sampled by:			Samples requiring thermal preserv packed in ice at an avg temp abov	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 $6^{\circ}\mathrm{C}$ on subsequent days.	day they are sampled or received it days.	
Relinquished by: (Signature)	Date 11-22-33	Time 920	Received by Signature)	2.23	Time 920	Received on ice:	Hab Use Only		
Relinquished by Signature)	Date //.22.23	Time //030	Beerved by: (Signature)	11/27/13	Time 72, 30		四		
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Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time		٥		
Sample Matrix: S-Soil, Sd - Soild, 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 above	A - Aqueous, O - Othe after results are re	r ported unless oth	er arrangements are made. Hazardous	Container Type	:: g - glass, p - por returned to client	Container Type: g - $glass$, p - $poly/plastic$, ag - $amber glass$, v - VOA samples will be returned to client or disposed of at the client expense. T	ass, v - VOA	the analysis of the above	Pa

Report to:
Chad Hensley





5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

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

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Sample Summary

Γ	Talon LPE	Project Name:	Michael Ryan	Donoutoda
١	408 W Texas Ave	Project Number:	23052-0001	Reported:
	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.



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

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	A	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	A	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	A	Analyst: BA		Batch: 2348103
Chloride	271	200	10	12/01/23	12/01/23	



Ta	alon LPE	Project Name:	Michael Ryan	
40	08 W Texas Ave	Project Number:	23052-0001	Reported:
A	artesia NM, 88210	Project Manager:	Chad Hensley	12/5/2023 4:25:04PM

C-13 4.5' E311222-02

		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	А	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	A	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	A	analyst: BA		Batch: 2348103

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					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	ı	Analyst: R	KS		Batch: 2348068
Benzene	ND	0.0250	1	Į.	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	Į.	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: R	KS		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: K	M		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: B	A		Batch: 2348103
Chloride	263	200	10	0	12/01/23	12/01/23	



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

		Reporting					
Analyte	Result	Limit	Dilut	ion	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	A	Analyst: RI	KS		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	A	Analyst: Kl	M		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	A	Analyst: B	A		Batch: 2348103
Chloride	ND	200	10)	12/01/23	12/01/23	



Ta	alon LPE	Project Name:	Michael Ryan	
40	08 W Texas Ave	Project Number:	23052-0001	Reported:
A	artesia NM, 88210	Project Manager:	Chad Hensley	12/5/2023 4:25:04PM

C-16 4.5' E311222-05

Analyte	Result	Reporting Limit		ution	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	1	10	12/01/23	12/01/23	



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

		E311222-00					
Analyte	Result	Reporting Limit		ıtion	Prepared	Analyzed	Notes
Analyte	Result	Lillit	Diii	ши	Frepared	Allalyzeu	Ivotes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: RKS		Batch: 2348068
Benzene	ND	0.0250	1	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	1	.0	12/01/23	12/01/23	

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'

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		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	An	alyst: 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	An	alyst: 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	An	alyst: 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	
1	mg/kg	mg/kg	An	alyst: BA		Batch: 2348103
Anions by EPA 300.0/9056A	g	0 0		•		



Ta	alon LPE	Project Name:	Michael Ryan	
40	08 W Texas Ave	Project Number:	23052-0001	Reported:
A	artesia NM, 88210	Project Manager:	Chad Hensley	12/5/2023 4:25:04PM

C-19 4.5'

		E311222-08					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: Rl	KS		Batch: 2348068
Benzene	ND	0.0250	1	Į.	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	ļ	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	1	Analyst: Rl	KS		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	1	Analyst: K	M		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: B	A		Batch: 2348103
Chloride	ND	200	10	0	12/01/23	12/01/23	



Ta	alon LPE	Project Name:	Michael Ryan	
40	08 W Texas Ave	Project Number:	23052-0001	Reported:
A	artesia NM, 88210	Project Manager:	Chad Hensley	12/5/2023 4:25:04PM

C-20 4.5'

		E311222-09					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2348068
Benzene	ND	0.0250	1	Į.	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	0	12/01/23	12/01/23	



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					
		Reporting					
Analyte	Result	Limit	Dilut	tion l	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: RKS	S		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	A	Analyst: RKS	S		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	A	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	A	Analyst: BA			Batch: 2348103
Chloride	281	200	10)	12/01/23	12/01/23	



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				
		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	A	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	A	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	A	analyst: BA		Batch: 2348103
Chloride	ND	200	10	12/01/23	12/01/23	·



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				
		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	A	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	A	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	A	analyst: BA		Batch: 2348103
Chloride	ND	200	10	12/01/23	12/01/23	



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				
	Reporting				
esult	Limit	Dilution	Prepared	Analyzed	Notes

		Reporting					
Analyte	Result	Limit	Dil	ution	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	

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

		Reporting					
Analyte	Result	Limit	Dilı	ution	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	1	10	12/01/23	12/01/23	



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

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	An	alyst: 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	An	alyst: 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	An	alyst: 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	
	/1	ma/ka	Δη	alyst: BA		Batch: 2348103
Anions by EPA 300.0/9056A	mg/kg	mg/kg	7 11	alyst. DA		Daten. 2340103



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



0.500

0.500

0.500

101

100

70-130

70-130

70-130

0.506

0.501

0.473

Surrogate: Bromofluorobenzene

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

Gasoline Range Organics (C6-C10)

Surrogate: Bromofluorobenzene

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

QC Summary Data

Talon LPEProject Name:Michael RyanReported:408 W Texas AveProject Number:23052-0001Artesia NM, 88210Project Manager:Chad Hensley12/5/2023 4:25:04PM

Artesia NM, 88210		Project Manager	r: Ch	nad Hensley				12	5/2023 4:25:04PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2348068-BLK1)							Prepared: 1	1/29/23 Anal	yzed: 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: 1	1/29/23 Anal	yzed: 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:	E311222-0)7	Prepared: 1	1/29/23 Anal	yzed: 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:	E311222-0)7	Prepared: 1	1/29/23 Anal	yzed: 11/30/23

50.0

0.500

0.500

0.500

20.0

40.8

0.494

0.502

0.177

70-130

70-130

70-130

70-130

81.7

98.8

100

95.0

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

Artesia NM, 88210		Project Manage	r: Cn	ad Hensley					12/5/2023 4:25:04PN
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2348101-BLK1)							Prepared: 1	2/01/23	Analyzed: 12/01/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	49.6		50.0		99.2	50-200			
LCS (2348101-BS1)							Prepared: 1	2/01/23	Analyzed: 12/01/23
Diesel Range Organics (C10-C28)	275	25.0	250		110	38-132			
urrogate: n-Nonane	50.3		50.0		101	50-200			
Matrix Spike (2348101-MS1)				Source:	E311222-0	06	Prepared: 1	2/01/23	Analyzed: 12/01/23
Diesel Range Organics (C10-C28)	292	25.0	250	ND	117	38-132			
urrogate: n-Nonane	53.3		50.0		107	50-200			
Matrix Spike Dup (2348101-MSD1)				Source:	E311222-0	06	Prepared: 1	2/01/23	Analyzed: 12/01/23
Diesel Range Organics (C10-C28)	251	25.0	250	ND	101	38-132	15.1	20	
urrogate: n-Nonane	45.5		50.0		91.0	50-200			



QC Summary Data

Talon LPE 408 W Texas Ave		Project Name:		ichael Ryan 052-0001					Reported:	
Artesia NM, 88210		Project Number: Project Manager		nad Hensley					12/5/2023 4:25:04PM	M
		Anions	by EPA 3	00.0/9056	4				Analyst: BA	
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec	Rec Limits	RPD	RPD Limi %		
Blank (2348103-BLK1)							Prepared:	12/01/23	Analyzed: 12/01/23	
Chloride LCS (2348103-BS1)	ND	20.0					Prepared:	12/01/23	Analyzed: 12/01/23	
Chloride Matrix Spike (2348103-MS1)	244	20.0	250	Source:	97.7 E311222-0	90-110 1	Prepared:	12/01/23	Analyzed: 12/01/23	
Chloride	527	200	250	271	102	80-120				
Matrix Spike Dup (2348103-MSD1)				Source:	E311222-0	1	Prepared:	12/01/23	Analyzed: 12/01/23	

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: Mic	ichael Ryan	l
408 W Texas Ave	Project Number: 230	8052-0001 Reported:	l
Artesia NM, 88210	Project Manager: Ch	had 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.



TAT 30

Lab Use Only

Bill To Matador

Attention: Address:

Hensur

roject: Micheal Ryan ddress: 408 W. Texas Ave

Separation librarian separation librariant: Talon LPE

City, State, Zip

Phone: Email:

ity, State, Zip Artesia, NM 88210

hone: 575-746-8768

mail: chensley@talonlpe.com

eport due by:

Chain of Custody

1D | 2D

Analysis and Method Job Number 23052-000

CDOC

XT

BCDOC NW

Chloride 300.0

Offoals 6010 **NOC PA 8560** BTEX by 8021

трн сво/ояо/ово ьу

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× ×

4.5

C-12

soil

045 M122123

100

Sample ID

No. of Containers

Matrix

Sampled Date

Sampled

Time

C-13

C-14

C-15 C-16

Number

Lab

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.

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

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

AVG Temp °C

Page 134 of 147

13

Lab Use Only

>

Received on ice:

(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.

Relinquished by: (Signature)

Relinquished by: (Signature)

11-22-33

Received by: (Signature)

Received by: (Signature) wichila

ine 1700

11.28.13 2345

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

H1880

made of

Relinquished by: (Signature)

80

C-18 C-19

C-17

121

5

0

C-20

C-21

Additional Instructions:

3

カトリ

1136

1139

1

envirotec

		Bill To		Lab	Lab Use Only	۸۱۲		TAT		EPA Program	ogram
		Attention: Matador		#0	Job	Job Number	1D 2D	3D	Standard	CWA	SDWA
Thord H	Hensley	Address:		E31122	3	23-52-000			×		
408 W. Texas Ave	7	City, State, Zip			Anal	Analysis and Method					RCRA
City, State, Zip Artesia, NM 88210		Phone:		Λq O)						0+0+0	
		Emall:		HO)			1		- 1	77 H	
Email: chensley@talonlpe.com Report due by:						0.00€ €	WN 3	XT	NM X	UT AZ	X
Matrix Containers	ers Sample ID		Lab	TPH GR	VOC by	Chloride	BeDoo	eDOC		Remarks	
soil 1	C-22	4.5'	=	×		×					
	C-23		12								
	C-24	7	13								
20.00	SW-5		1-1								
T	9-MS		0	=							
					-						

Relinquished by Signature) Relinquished by Signature Received by Signature Receive	Received by: (Signature) Received by: (Signature) Property of the strangements are made.		16.		Docomon by (Cianatura)		
Relinquished by: (Signature) Received by: (Signature) Received by: (Signature) Received by: (Signature) Relinquished by: (Signature) Date 11.28-23 1736 Time Received by: (Signature) Relinquished by: (Signature) Date 11.28-23 T3 Time Received by: (Signature) Relinquished by: (Signature) Note: Sample Matrix: 5-Soil, Sd - Soild, Sg - Sludge, A - Aqueous, O - Other Note: Sample Matrix: 5-Soil, Sd - Soild, Sg - Sludge, A - Aqueous, O - Other Note: Sample water is a signature of the analysis of the above the client of the analysis of the above the client expense. The report for the analysis of the above the analysis of the above the client expense.	Received by: (Signature) Received by: (Signature) 345 d unless other arrangements are made.	_	0 0 Received on it	11-23-23 16	Lancally (Consol	22.33	Relinquished by: (Signature)
Relinquished by: (Signature) Date M.C. Sandle M. Container Type: 8 - Solid, Sg	345 Received by: (Signature)) 2		Date Time 11.28.73 17	Received by: (Signature)	2623	Relinquished by Signature)
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Matrix and Indian arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the abo	345 (the the safe made.			(Received by: (Signature)		Relinquished by: (Signature)
Sample Martix: S Soil, Sd Soild, Sg Sludge, A Aqueous, O Other Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the abo	d unless other arrangements are made.	+	330 AVG Temp °C.			11.28.73 2345)
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 abo		- amber glass, v - VOA	glass, p - poly/plastic, ag -	Container Type: g - g		dge, A - Aqueous, O - Other	Sample Matrix: S - Soil, Sd - Solid, Sg - Sluc
	complex is anniforhing only to those complex received by the laboratory with this CO The lightlifty of the laboratory is limited to the second so the second	the client expense. The report for the analysis of the abo	d to client or disposed of at th	s samples will be returned	her arrangements are made. Hazardous	after results are reported unless of	Note: Samples are discarded 30 days

Additional Instructions:

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

Envirotech Analytical Laboratory

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:		17:00 (3 day TAT)	20 ,	
Chain of	Custody (COC)					
1. Does th	ne sample ID match the COC?		Yes			
2. Does th	ne number of samples per sampling site location ma	tch the COC	Yes			
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was the	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes			
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi		Yes		Comment	s/Resolution
Sample T	urn Around Time (TAT)					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C						
	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was the	e 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			
	e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples a minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes			
	Container _					
_	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	9	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lat		nois conceica.	105			
	field sample labels filled out with the minimum inf	ormation.				
	ample ID?		Yes			
	ate/Time Collected?		No			
C	ollectors name?		No			
Sample P	<u>reservation</u>					
21. Does	the COC or field labels indicate the samples were p	reserved?	No			
22. Are sa	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved r	netals?	No			
Multipha	se Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	ise?	No			
27. If yes,	, does the COC specify which phase(s) is to be anal	yzed?	NA			
Subcontr	act Laboratory					
	amples required to get sent to a subcontract laborate	nrv?	No			
	subcontract laboratory specified by the client and i	-	NA	Subcontract Lab: NA		
	estruction					
<u>CHERT II</u>	isti delloi					

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



Appendix VIAnalytical Data Tables

Site Assessment Samples Incident # NAPP2320661320

							Michael R	yan Federal Co	om #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
	Table 1 Closur 19.15.29 NMA		10 mg/kg	50 mg/kg	DRO + GRO) + MRO comb mg/kg	ined = 100	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
	9/5/23	0'	ND	ND	ND	1050	1570	2620	57200	NT	NT	NT	NT	NT	NT	NT	NT
S-2	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
	9/5/23	0'	ND	ND	ND	121	62.9	183.9	583	NT	NT	NT	NT	NT	NT	NT	NT
S-3	9/5/23	1'	ND	ND	ND	ND	ND	-	ND	NT	NT	NT	NT	NT	NT	NT	NT
3-3	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
	9/5/23	0'	ND	ND	ND	399	215	614	28900	NT	NT	NT	NT	NT	NT	NT	NT
S-4	9/5/23	1'	ND	ND	ND	ND	ND	-	8910	NT	NT	NT	NT	NT	NT	NT	NT
5-4	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
	9/5/23	0'	ND	ND	ND	729	1040	1769	74900	NT	NT	NT	NT	NT	NT	NT	NT
S-5	9/5/23	1'	ND	ND	ND	ND	ND	-	3790	NT	NT	NT	NT	NT	NT	NT	NT
3-5	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:

Table 1

BGS Below ground surface Milligrams per kilogram mg/kg ug/kg Micrograms per kilogram **Total Petroleum Hydrocarbons** TPH GRO Gasoline range organics Diesel range organics DRO MRO Motor oil range organics Sample

S

ND Analyte Not Detected NT Analyte Not Tested

Highlighted cells indicate exceedance of NMOCD

Table 1 Closure Criteria

Received by OCD: 1/2/2024 3:46:50 PM

Table 2

Confirmation Samples Incident # NAPP2320661320

			Mic	hael Ryan Fed	eral Com #204	Н			
		D 11 (DOS)	Benzene	BTEX	GRO	DRO	MRO	Total TPH	Chlorides
Sample ID	Sample Date	Depth (BGS)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
NMOCD	Table 1 Closur	e Criteria	40 //	50 ··· · //· ·	DRO + GRO	+ MRO comb	ined = 100	400	C00/l
	19.15.29 NMA	C	10 mg/kg	50 mg/kg		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:

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

Highlighted cells indicate exceedance of NMOCD

Table 1 Closure Criteria

<u>District I</u> 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

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

QUESTIONS

Action 299031

QUESTIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	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.

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QUESTIONS, Page 2

Action 299031

Phone:(505) 476-3470 Fax:(505) 476-3462	
QUEST	TONS (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	[0-141] Remediation Closure Request C-141 (0-141-v-Closure)
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.
	flation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative o eted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for rele the OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required tasses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface rt does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: issen touchet@matadorresources.com

Date: 01/02/2024

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QUESTIONS, Page 3

Action 299031

QUESTIONS (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	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 ar	nd 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 p	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 delineate	ed 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 which includes the anticipated timelines for beginning and completing the remediation	s completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, h.	
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	1 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 remediate	ed 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 ac	djusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to	

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 299031

QUESTIONS (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	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 10 15 20 11 NMAC unless the site characterization report includes completed of	I forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NA

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

I hereby agree and sign off to the above statement

I hereby agree and sign off to the above statement

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.

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QUESTIONS, Page 5

Action 299031

QUESTIONS (continued)

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

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QUESTIONS, Page 6

Action 299031

QUESTIONS	(continued)
QUESTIONS:	COHUHUCU <i>i</i>

uest C-141 (C-141-v-Closure)
7

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

I hereby agree and sign off to the above statement

I hereby agree and sign off to the above statement

Email: jason.touchet@matadorresources.com

Date: 01/02/2024

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QUESTIONS, Page 7

Action 299031

QUESTIONS (continued)

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

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CONDITIONS

Action 299031

CONDITIONS

Operator:	OGRID:
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One Lincoln Centre	Action Number:
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	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created I	By Condition	Condition Date
scwell	None	3/20/2024