



June 19, 2025

NMOCD District 2
 Mr. Mike Bratcher
 Artesia, NM 88210

Bureau of Land Management
 Ms. Crisha Morgan
 620 East Green Street
 Carlsbad, NM 88220

**Re: Site Assessment, Remediation, and Closure Request
 Riser 38
 API No. N/A
 GPS: Latitude 32.8415 Longitude -104.061
 U/L "B," Sec. 15, T17S, R29E
 Eddy County, NM
 NMOCD Ref. No. NAPP2322647988**

Paragon Environmental, LLC (Paragon) has been contracted by Spur Energy Partners (Spur) to perform a spill assessment, conduct remediation activities for the release site known as the Riser 38 (Riser). Details of the release are summarized below:

Release Details			
Type of Release:	Produced Water	Volume of Release:	24 bbls
		Volume Recovered:	5 bbls
Source of Release:	Polypipe Failure	Date of Release:	8/12/23
Was Immediate Notice Given?	No	If, Yes, to Whom?	N/A
Was a Watercourse Reached?	No	If Yes, Volume Impacting Watercourse:	N/A
Surface Owner:	Federal	Mineral Owner:	Federal
A PIN HOLE DEVELOPED IN THE RISER LEG RELEASING PRODUCED WATER INTO THE PASTURE.			

Topographical and Wetlands Maps are provided in Figures #2 and #4.

REGULATORY FRAMEWORK & SITE CHARACTERIZATION

Surface impacts from unauthorized releases of fluids or gases are generally regulated by the New Mexico Oil Conservation Division (NMOCD) in accordance with 19.15.29 of the New Mexico Administrative Code (NMAC). 19.15.29 NMAC establishes reporting, site assessment/characterization, remediation, closure, variance, and enforcement procedures. Table I of 19.15.29.12 NMAC determines the closure criteria for soils impacted by a release based on depth to groundwater and the following characteristics:

- Depth to Groundwater in the affected area 100-500'
- Method to determine DTW NM OSE
- Did the release impact groundwater or surface water No

Depth to groundwater information is provided in Appendix A.

What are the minimum distances between the closest lateral extents of the release and the following surface areas:

- A continuously flowing watercourse or any other significant watercourse- > 5 Mile
- Any lakebed, sinkhole, or playa lake- 1-5 mi
- An occupied permanent residence, school, hospital, institution, or church- 1-5 mi
- A spring or a private domestic fresh water well used by less than 5 households for domestic or stock watering purposes- 1-5 mi
- Any other fresh water well or spring- 1-5 mi
- Incorporated municipal boundaries or a defined municipal freshwater well field- 1-5 mi
- A wetland- 500-1000'
- A subsurface mine- >5 mi
- An (non-karst) unstable area- Zero feet, overlying, or within the area
- Categorize the risk of this well/site being in a karst area geology- High
- A 100-year floodplain- 1/2-1 mi
- Did the release impact areas not on an exploration, development, production, or storage site- Yes

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the Quaternary Formation- and is made up of older alluvial deposits of upland plains and piedmont areas, and calcic soils and eolian cover sediments of the High Plains region (middle to lower Pleistocene)- Includes scattered lacustrine playa, and alluvial deposits of the Tahoka, Double Tanks, Tule, Blackwater Draw, and Gatuna Formations, the latter of which may be Pliocene at base; outcrops, however, are basically of quaternary deposits (QOA). The soil in this area is made up of Reeves-Gypsum land complex, 0 to 3 percent slopes, according to the United States Department of Agriculture Natural Resources Conservation Service. The drainage courses in this area are well-drained. There is a High potential for karst geology to be present around the Riser.

The Soil Survey and FEMA Flood Map are provided in Appendix B. A Karst Map is provided in Figure #3.

INITIAL SITE ASSESSMENT

Another company originally assessed the site, and the samples were subsequently submitted to an approved laboratory for analysis. A table summarizing the laboratory analytical results from the soil samples collected during the above-stated activities is provided below:

Soil Sample Results

Table 1 Concentrations of BTEX, TPH, and Chloride in Soil Spur Energy Partners, LLC Riser 38 NMOCD Ref #: nAPP2322647989											
NMOCD Closure Criteria				10	50	-	-	-	-	100	500
NMOCD Reclamation Standard				10	50	-	-	-	-	100	500
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₁₀ -C ₁₆ (mg/kg)	DRO C ₁₀ -C ₂₄ (mg/kg)	GRO + DRO C ₁₀ -C ₂₄ (mg/kg)	ORO C ₂₄ -C ₃₄ (mg/kg)	TPH C ₁₀ -C ₃₄ (mg/kg)	Chloride (mg/kg)
EH1 @ 0'	8/23/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
EH1 @ 1'	8/23/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NH1 @ 0'	8/23/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
NH1 @ 1'	8/23/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NH2 @ 0'	8/23/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
NH2 @ 1'	8/23/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NH3 @ 0'	8/23/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NH3 @ 1'	8/23/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NH4 @ 0'	8/23/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,090
NH4 @ 0'	5/23/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NH4 @ 1'	8/23/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NH4 @ 1'	5/23/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NH5 @ 0'	8/23/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NH5 @ 1'	8/23/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SH1 @ 0'	8/23/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SH1 @ 1'	8/23/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SH2 @ 0'	8/23/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SH2 @ 1'	8/23/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SH3 @ 0'	8/23/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SH3 @ 1'	8/23/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SH4 @ 0'	8/23/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SH4 @ 1'	8/23/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SH5 @ 0'	8/23/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SH5 @ 1'	8/23/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WH1 @ 0'	8/23/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
WH1 @ 1'	8/23/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
V1 @ 0'	8/23/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	12,800
V1 @ 5'	8/23/2023	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	14,400
SP 1 @ 14'	3/12/2024	14	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	3,880
SP 1 - 18'	5/13/2024	18	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,640
SP 1 - 22'	5/13/2024	22	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
V2 @ 0'	8/23/2023	0	In-Situ	<0.050	0.801	21.2	316	337	49.4	387	14,400
V2 @ 5'	8/23/2023	5	In-Situ	<0.050	4.53	21.3	117	138	13.1	151	15,800
SP 2 @ 14'	3/12/2024	14	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	2,200
SP 2 - 18'	5/13/2024	18	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	688
SP 2 - 22'	5/13/2024	22	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
V3 @ 0'	8/23/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	23,600
V3 @ 5'	8/23/2023	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	18,000
SP 3 @ 14'	3/12/2024	14	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	768
SP 3 - 18'	5/13/2024	18	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
V4 @ 0'	8/23/2023	0	In-Situ	<0.050	<0.300	<10.0	18.2	18.2	<10.0	18.2	11,400
V4 @ 5'	8/23/2023	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,600
SP 4 @ 6'	3/12/2024	6	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	272
V5 @ 0'	8/23/2023	0	In-Situ	<0.050	<0.300	<10.0	672	175	847	4,800	
V5 @ 5'	8/23/2023	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	13,600
SP 5 @ 6'	3/12/2024	6	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	192

(ND) Analyte Not Detected

Laboratory data is attached in Appendix D

A Site Map is provided in Figure #1.

REMEDIATION ACTIVITIES

Based on the analytical results, site characteristics, and field observations made during the site assessment, Paragon followed the approved work plan and excavation guidance of HF Sinclair and conducted the following remedial activities to advance the Release Site toward an NMOCD and BLM-approved closure:

- On December 2, 2024, we mobilized mechanical equipment and a hydrovac and began the project. We excavated the impacted soils that exceeded the NMOCD Closure Criteria, varying in depth. Once the excavation depth was below HF Sinclair's lines, they introduced additional stipulations regarding the safety of the individuals and the integrity of their pipelines. They advised that the excavation could only go 4 feet below any of the pipelines for the safety of individuals and to maintain the integrity of the pipelines. We later obtained an email from the HF Sinclair company man who made this change, confirming this discussion and the reason for the change in the excavation depth.
- - The areas of SP1, SP2, and SP3 were excavated to 8 feet BGS. The square footage of these combined areas is 9,500 s/f, and approximately 2,815 C/Y were removed.
 - The areas of SP4 and SP5 were excavated to 11 feet BGS. The square footage of these combined areas is 4,200 s/f, and approximately 1,711 CY were removed.

A sampling notification was submitted to the NMOCD to collect confirmation samples. The sampling event is in the following data table:

1/24/25 Confirmation Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')							
Sample Date 1-24-25	Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg				Closure Criteria ≤ 100 mg/kg	Closure Criteria ≤ 600 mg/kg
Sample ID	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
NSW - 1 8'	ND	ND	ND	ND	ND	ND	ND
NSW - 2 8'	ND	ND	ND	ND	ND	ND	16
NSW - 3 8'	ND	ND	ND	ND	ND	ND	ND
NSW - 4 8'	ND	ND	ND	ND	ND	ND	32
NSW - 5 8'	ND	ND	ND	ND	ND	ND	16
NSW - 6 8'	ND	ND	ND	ND	ND	ND	ND
NSW - 7 8'	ND	ND	ND	ND	ND	ND	ND
NSW - 8 8'	ND	ND	ND	ND	ND	ND	ND
NSW - 9 8'	ND	ND	ND	ND	ND	ND	16
NSW - 10 8'	ND	ND	ND	ND	ND	ND	16
NSW - 11 8'	ND	ND	ND	ND	ND	ND	ND
NSW - 12 11'	ND	ND	ND	ND	ND	ND	ND
NSW - 13 8'	ND	ND	ND	ND	ND	ND	16
NSW - 14 8'	ND	ND	ND	ND	ND	ND	ND
NSW - 15 11'	ND	ND	ND	ND	ND	ND	ND
NSW - 16 11'	ND	ND	ND	ND	ND	ND	ND
NSW - 17 11'	ND	ND	ND	ND	ND	ND	16
NSW - 19 11'	ND	ND	ND	ND	ND	ND	32
NSW - 20 11'	ND	ND	ND	ND	ND	ND	ND
NSW - 21 11'	ND	ND	ND	ND	ND	ND	16
SSW - 22 8'	ND	ND	ND	ND	ND	ND	16
SSW - 23 8'	ND	ND	ND	ND	ND	ND	32
SSW - 24 11'	ND	ND	ND	ND	ND	ND	ND
SSW - 25 11'	ND	ND	ND	ND	ND	ND	ND
SSW - 26 11'	ND	ND	ND	ND	ND	ND	ND
SSW - 27 11'	ND	ND	ND	ND	ND	ND	ND
SSW - 28 11'	ND	ND	ND	ND	ND	ND	32
SSW - 29 11'	ND	ND	ND	ND	ND	ND	ND
SSW - 30 11'	ND	ND	ND	ND	ND	ND	ND
SSW - 31 8'	ND	ND	ND	ND	ND	ND	ND
SSW - 32 8'	ND	ND	ND	ND	ND	ND	32
SSW - 33 8'	ND	ND	ND	ND	ND	ND	ND
SSW - 34 8'	ND	ND	ND	ND	ND	ND	ND
SSW - 35 8'	ND	ND	ND	ND	ND	ND	ND
SSW - 36 8'	ND	ND	ND	ND	ND	ND	16
SSW - 37 8'	ND	ND	ND	ND	ND	ND	ND
SSW - 38 8'	ND	ND	ND	ND	ND	ND	16
SSW - 39 8'	ND	ND	ND	ND	ND	ND	ND
SSW - 40 8'	ND	ND	ND	ND	ND	ND	32
ESW - 41 8'	ND	ND	ND	ND	ND	ND	16

(ND) – Analyte Not Detected

It was noted that sample NSW-18 was lost during the process of submitting the samples. Another sample was obtained on 2-28-25; however, the sample notification was missed on this event. A sampling notification was submitted on 3-4-25 to obtain backfill samples, but this sampling event never occurred. To rectify these discrepancies, another notification was submitted on 6-11-25, to sample on 6-16-25, to be in compliance with obtaining samples NSW-18 and the backfill samples. These results are in the following data table:

6-16-25 Confirmation Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')							
Sample Date 6-16-25	Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg				Closure Criteria ≤ 100 mg/kg	Closure Criteria ≤ 600 mg/kg
Sample ID	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
NSW - 18 11'	ND	ND	ND	ND	ND	ND	16
Backfill Sample 1	ND	ND	ND	ND	ND	ND	16
Backfill Sample 2	ND	ND	ND	ND	ND	ND	16
Backfill Sample 3	ND	ND	ND	ND	ND	ND	16

(ND) – Analyte Not Detected

All completed laboratory analytical results showed that the confirmation soil samples and backfill samples were below NMOCD Closure Criteria.

The excavated soils were loaded into trucks and transported to Lea Land, an NMOCD-approved waste disposal facility.

HF Sinclair inspected their pipeline and cleared us to proceed with the liner installation and backfill. A clay and bentonite liner was installed at the bottom of the excavation. Backfill material was obtained from a localized sand pit. All backfill material was then run through a soil shredder to ensure that no rocks were included in the material that might cause future damage to the lines before being inserted into the excavation. The affected area was then contoured and machine-compacted to match the surrounding grade.

CLOSURE REQUEST

After careful review, Paragon requests that the incident, NAPP2322647988, be closed. Spur has complied with the applicable closure requirements outlined in rule 19.15.19.12 NMAC.

If you have any questions or need additional information, please get in touch with Tristan Jones by phone at (575)318-6841 or email at tristan@paragonenvironmental.net.

Respectfully,



Tristan Jones
Project Manager
Paragon Environmental, LLC



Chris Jones
Environmental Professional
Paragon Environmental, LLC



Attachments

Figures:

- 1- Site Map
- 2- Topographic Map
- 3- Karst Map
- 4- Wetlands Map
- 5- Confirmation Sample Maps

Appendices:

- Appendix A – Referenced Water Surveys & Arch Survey
- Appendix B – Soil Survey and FEMA Flood Map
- Appendix C – NMOCN Notifications, HF Plan Approval, HF Email Verifying Change in Depth & Photographic Documentation
- Appendix D – Laboratory Reports



Figures:

- 1-Site Map
- 2- TOPO Map
- 3- Karst Map
- 4- Wetlands Map
- 5- Confirmation Sample Map

Spur Energy Partners

Riser 38
Eddy County, NM
Site Map

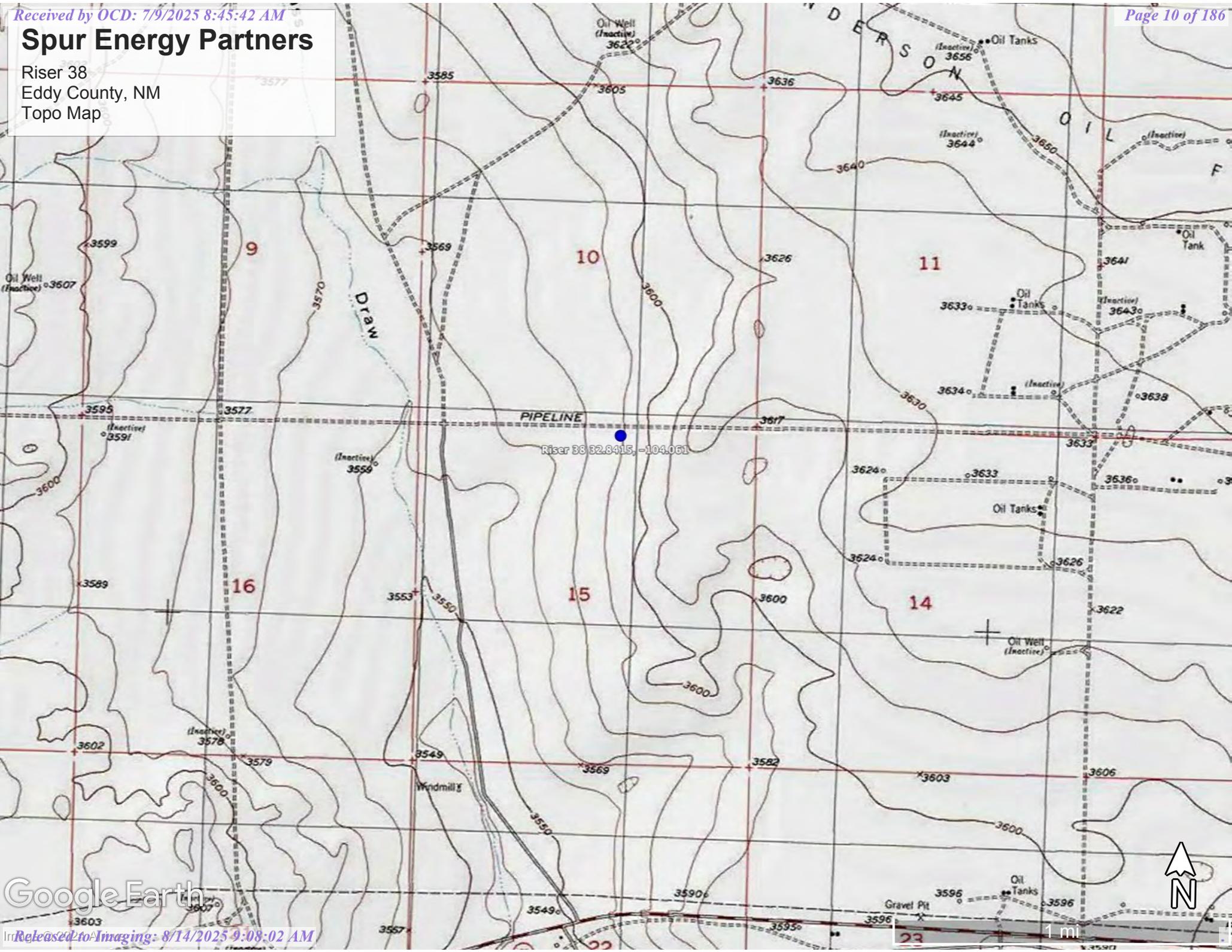
Legend

-  HS Line
-  Samples
-  SP-1 & SP-2 7000 S/F
-  SP-3 2500 S/F
-  SP-4 & SP-5 4200 S/F
-  Spurs Water Line



Spur Energy Partners

Riser 38
Eddy County, NM
Topo Map



Spur Energy Partners

Riser 38
Eddy County, NM
Karst Map

Legend

-  High
-  Low
-  Medium

Riser 38 32.8415, -104.061



3000 ft

Google Earth

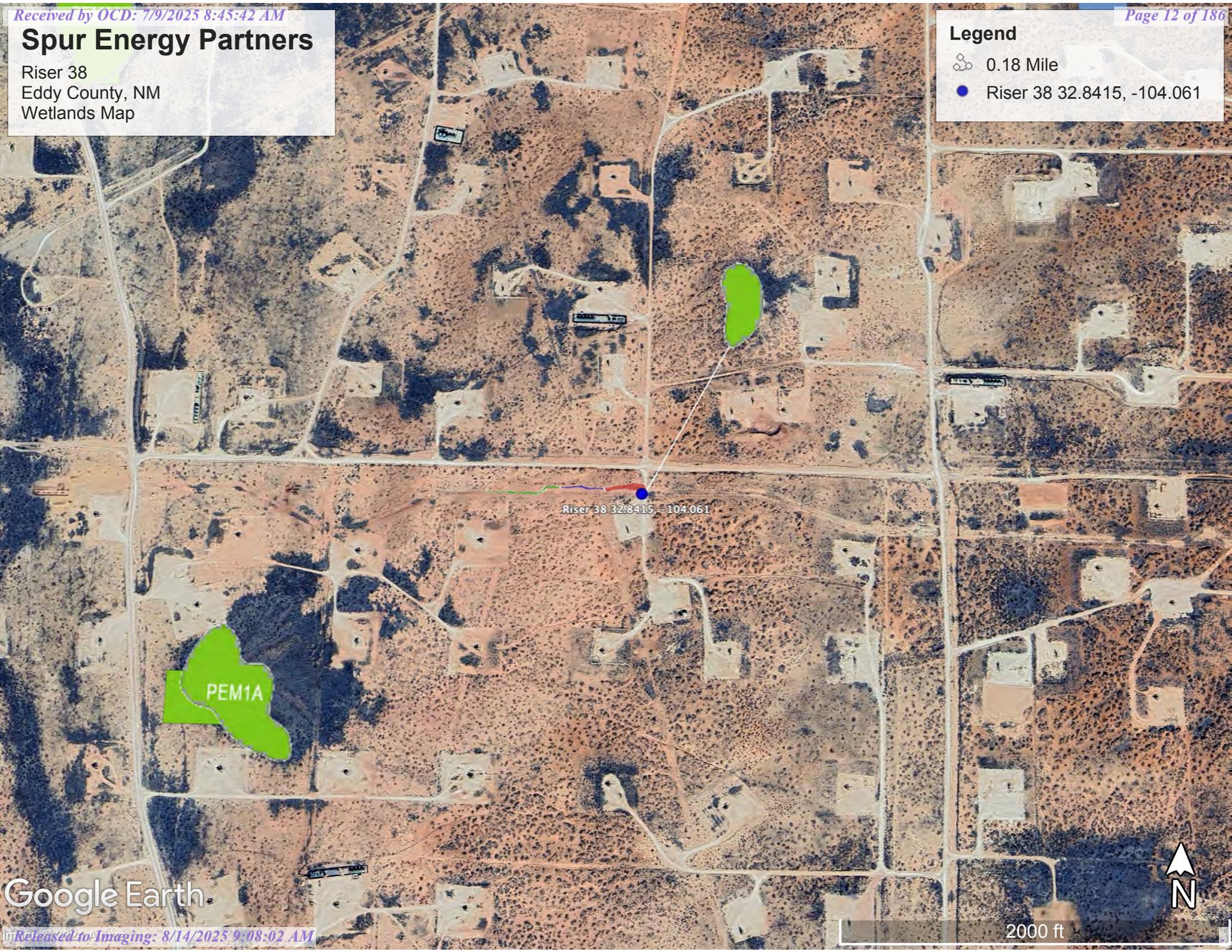
Spur Energy Partners

Riser 38
Eddy County, NM
Wetlands Map

Legend

 0.18 Mile

 Riser 38 32.8415, -104.061



Google Earth

2000 ft

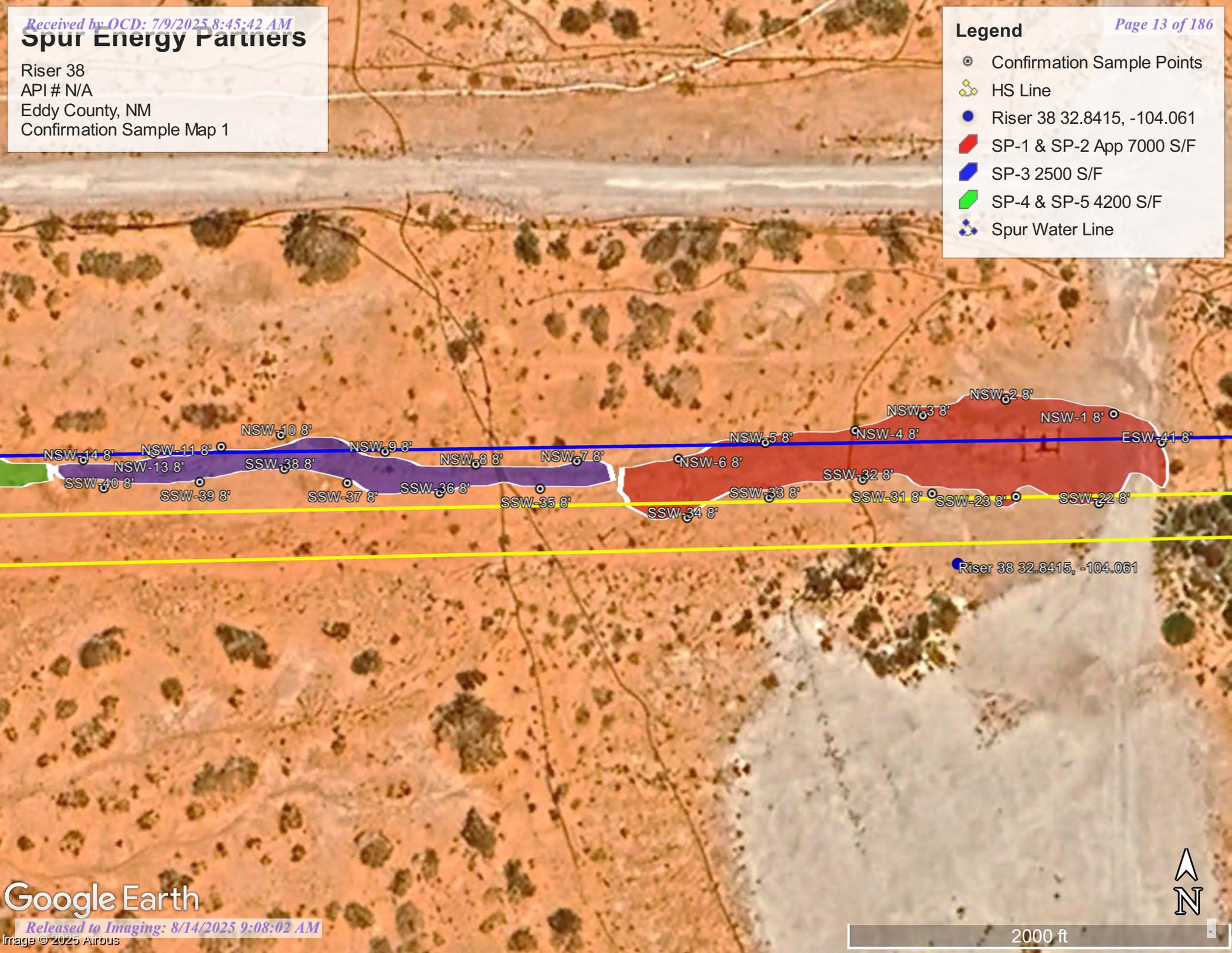


Spur Energy Partners

Riser 38
API # N/A
Eddy County, NM
Confirmation Sample Map 1

Legend

- Confirmation Sample Points
- HS Line
- Riser 38 32.8415, -104.061
- SP-1 & SP-2 App 7000 S/F
- SP-3 2500 S/F
- SP-4 & SP-5 4200 S/F
- Spur Water Line

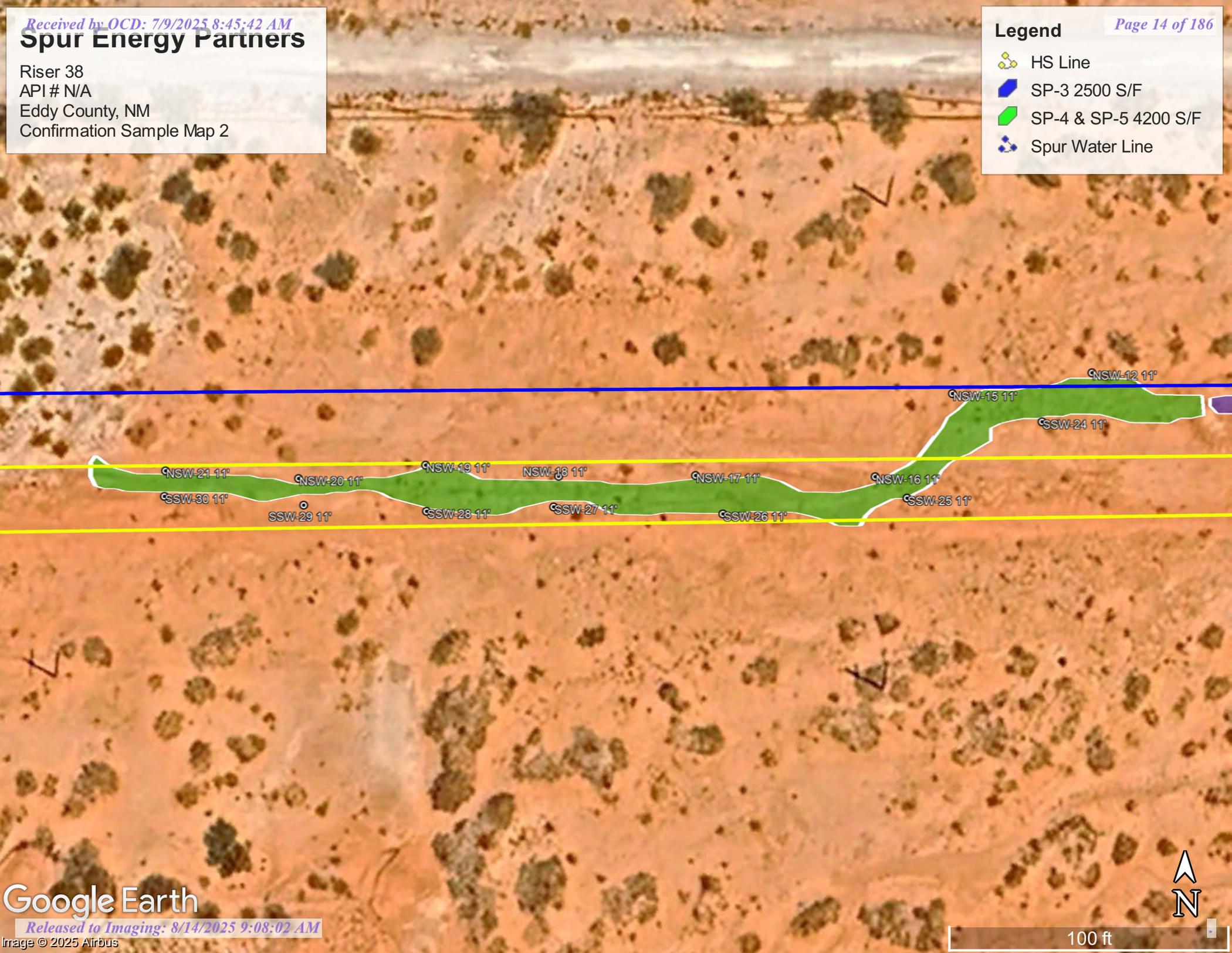


Spur Energy Partners

Riser 38
API # N/A
Eddy County, NM
Confirmation Sample Map 2

Legend

-  HS Line
-  SP-3 2500 S/F
-  SP-4 & SP-5 4200 S/F
-  Spur Water Line





Appendix A
Referenced Water Data:

New Mexico State of Engineers Office

Referenced Arch Survey:

Boone Archaeological Consultants



2904 W 2nd St.
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

April 10 2023

DII-NMOSE
1900 W 2nd Street
Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: RA-13283 Pod-1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, RA-13283 Pod-1.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

A handwritten signature in black ink that reads "Lucas Middleton". The signature is written in a cursive style.

Lucas Middleton

Enclosures: as noted above

OCD DT APR 10 2023 10:47



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (TW-1)		WELL TAG ID NO. N/A		OSE FILE NO(S). RA-13283		
	WELL OWNER NAME(S) Spur Energy Partners LLC				PHONE (OPTIONAL) 832-930-8502		
	WELL OWNER MAILING ADDRESS 9644 Katy Freeway, Suite 500				CITY Houston	STATE TX	ZIP 77024
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	MINUTES 32	SECONDS 50	32.88	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND
		LONGITUDE	104	4	5.39	W	* DATUM REQUIRED: WGS 84
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE SW SW Sec.10 T17S R29E, NMPM							

2. DRILLING & CASING INFORMATION	LICENSE NO. 1249	NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.			
	DRILLING STARTED 03/29/2023	DRILLING ENDED 03/29/2023	DEPTH OF COMPLETED WELL (FT) 101	BORE HOLE DEPTH (FT) ±101	DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 04/03/2023		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	101	6.25"	Soil Boring	--	--	--	--

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
				N/A		

FOR OSE INTERNAL USE			WR-20 WELL RECORD & LOG (Version 01/28/2022)		
FILE NO.		POD NO.	TRN NO.		
LOCATION			WELL TAG ID NO.		PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	50	50	Gypsum consolidated, white	Y ✓ N	
	50	60	10	Gypsum, consolidated, with fine-grained tan sand	Y ✓ N	
	60	70	10	Sand, fine grained poorly graded, semi-consolidated, Tannish Brown	Y ✓ N	
	70	75	5	Gypsum, with fine-grained sand, White to Tan	Y ✓ N	
	75	85	10	Clay, Stiff, with silt, high dry strength, brown	Y ✓ N	
	85	95	10	Gypsum, with fine-grained sand, White to Tan	Y ✓ N	
	95	101	6	Clay, Stiff, with silt, high dry strength, Reddish brown	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Removed temporary well material from soil boring, backfilled with drill cutting from total depth to 10 feet below ground surface, then placed hydrated bentonite from 10 feet to ground surface. See attached plugging record.	
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt		

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME	Jackie D. Atkins DATE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 01/28/2022)	
FILE NO.	POD NO.	TRN NO.	
LOCATION	WELL TAG ID NO.		PAGE 2 OF 2



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: RA-13283 POD-1

Well owner: Spur Energy Partners LLC Phone No.: 832-930-8502

Mailing address: 9655 Katy Freeway Suit 500

City: Houston State: Texas Zip code: 77024

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Jackie D. Atkins (Atkins Engineering Associates Inc.)
- 2) New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/23
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Shane Eldridge, Cameron Pruitt
- 4) Date well plugging began: 04/03/2023 Date well plugging concluded: 04/03/2023
- 5) GPS Well Location: Latitude: 32 deg, 50 min, 37.83 sec
Longitude: 104 deg, 17 min, 19.43 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 101 ft below ground level (bgl),
by the following manner: weighted tape
- 7) Static water level measured at initiation of plugging: n/a ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 02/27/2023
- 9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

OSE 011 APR 10 2023 10:247

- 10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

<u>Depth</u> (ft bgl)	<u>Plugging Material Used</u> (include any additives used)	<u>Volume of Material Placed</u> (gallons)	<u>Theoretical Volume of Borehole/ Casing</u> (gallons)	<u>Placement Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
0-10'	Hydrated Bentonite	Approx. 15 gallons	15 gallons	Augers	
10'-101'	Drill Cuttings	Approx. 145 gallons	145 gallons	Boring	

USE DOT APR 10 2023 PM 2:47

MULTIPLY	BY	AND OBTAIN
cubic feet x	7.4805	= gallons
cubic yards x	201.97	= gallons

III. SIGNATURE:

I, Jackie D. Atkins, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Jackie Atkins

Signature of Well Driller

04/10/2023

Date

RA-13283-POD1-WR-20 Well Record and Log-packetforsign

Final Audit Report

2023-04-10

Created:	2023-04-10
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAnr_fN5dTzPLTf2PMDw3WcaV4E4hR0mQK

"RA-13283-POD1-WR-20 Well Record and Log-packetforsign" History

-  Document created by Lucas Middleton (lucas@atkinseng.com)
2023-04-10 - 6:04:41 PM GMT- IP address: 64.17.82.146
-  Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2023-04-10 - 6:05:14 PM GMT
-  Email viewed by Jack Atkins (jack@atkinseng.com)
2023-04-10 - 6:45:11 PM GMT- IP address: 64.90.153.232
-  Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2023-04-10 - 6:46:58 PM GMT - Time Source: server- IP address: 64.90.153.232
-  Agreement completed.
2023-04-10 - 6:46:58 PM GMT

Names and email addresses are entered into the Acrobat Sign service by Acrobat Sign users and are unverified unless otherwise noted.

05E 011 APR 10 2023 06:47

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 157451

HPD Log No(s).

Registration

Lead Agency: US Bureau of Land Management Carlsbad Field Office

Performing Agency: Boone Archaeological Consultants, LLC.

Activity ID: Spur Energy Partners, LLC Riser 38 Release

Performing Agency Report No: BARC 05-24-04

Other Agencies: New Mexico State Land Office

Report Recipient (Your Client): Spur Energy Partners, LLC

Activity Types:

- Research Design Archaeological Survey/Inventory
- Architectural Survey/Inventory Test Excavation Monitoring
- Collections/Non-Field Study Compliance Decision
- Literature Review Overview Excavation Ethnographic Study
- Resource/Property Visit Historic Structures Report
- Other:

Total Survey Acreage: 5.38

Total Tribal Acreage: 0.00

Total Resources Visited: 1

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 157451

HPD Log No(s).

Associate/Register Resources

Prefix	Number	Field Site/Other Number	In GIS	Resource Type	Collections Made?	Revisit
LA	117909		<input checked="" type="checkbox"/>	Site	<input type="checkbox"/>	Not Relocated
LA	117910		<input checked="" type="checkbox"/>	Site	<input type="checkbox"/>	Revisit

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 157451

HPD Log No(s).

Report Details

Type of Report

Type of Report: Positive

Lead Agency

Lead Agency: US Bureau of Land Management Carlsbad Field Office

Lead Agency Report No.

Report Number:

Title of Report

Title of Report: A Class III Archaeological Survey for the Spur Energy Partners, LLC Riser 38 Release, Eddy County, New Mexico

Authors: Galassini, Stacy K., and Erick J. Martinez

Publication Type: Report, Monograph, or Book

Description of Undertaking (what does the project entail?)

Description: Spur Energy Partners, LLC requested a pedestrian survey for the Riser 38 Release in Eddy County, NM, on federal and New Mexico State Trust (NMST) land in Section 15 of T17S R29E. The produced water release area totaled 0.32 acres with 0.24 acres falling on federal land and 0.08 acres falling on NMST land.

Remediation began in late 2024, photographic documentation of the remediation processes was conducted by Boone Archaeological Resources Consultants, LLC on December 11, 2024.

Dates of Investigation

From: 07-May-2024 **To:** 11-Dec-2024

Report Date

Report Date: 07-Jan-2025

Performing Agency/Consultant

Name: Boone Archaeological Consultants, LLC.

Principal Investigator: Stacy Galassini

Field Supervisor: Erick J. Martinez

Field Personnel Names: Chris Young

Historian/Other

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 157451

HPD Log No(s).

Report Details

Performing Agency Report Number

Report Number: BARC 05-24-04

Client/Customer (project proponent)

Name: Spur Energy Partners, LLC

Contact: Kathy Purvis

Address: 9655 Katy Fwy Suite 500, Houston, TX 77024

Phone (575) 441-8619

Client/Customer Project Number

Project Number:

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 157451

HPD Log No(s).

Ownership & Location

Land Ownership Status (Must be indicated on Project Map)

Owner/Manager List:

Land Owner/Manager	Protocol	Acres Surveyed	Acres in APE
US Bureau of Land Management Carlsbad Field Office	Class III	3.33	3.33
NM State Land Office	Class III	2.05	2.05

Total Survey Acreage: 5.38

Total Tribal Acreage: 0.00

Record Search(es)

Date of HPD/ARMS File Review: 02-May-2024

Date of Other Agency File Review 02-May-2024

Survey Data

Source Graphics: NAD 83

- USGS 7.5' (1:24,000) topo map
 Other Topo Map Scale: _____
 GPS Unit <1M
 Aerial Photos Other Source Graphic(s): _____

The following tables (b,c,& e) are calculated by the NMCRIS Map Service

USGS 7.5' Topographic County(ies) Legal Description
Map(s)

Map Name	USGS Quad Code	County	FIPS	Unplatted	Township (N/S)	Range (E/W)	Section
Red Lake SE, NM	32104-G1	EDDY	35015	No	T17S	R29E	15
				No	T17S	R29E	10

Projected Legal Description

Nearest City or Town: Carlsbad, NM

Other Description:

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 157451

HPD Log No(s).

Methodology

Survey Field Methods

Intensity: 100% coverage

Configuration: Block Survey Units Linear Survey Units (l x y)

Other Survey Units

Scope: All Resources

Coverage Method: Systematic Pedestrian Coverage **Other Method:**

Survey Interval (m): **Crew Size** 2

Fieldwork Dates **From** 07-May-2024 **To** 11-Dec-2024

Survey Person Hours: 2.00 **Recording Person Hours** 1.50

Additional Narrative: The release area was surveyed using 50 ft. parallel transects creating a 100 ft. buffer around the release area. The survey block was irregular in shape and totaled 5.28 acres with 3.33 acres falling on federal land and 2.05 acres falling on NMST land. The release originated from a surface valve and followed existing pipeline disturbance flowing downhill towards the west. The release area falls within ¼ mile of nine previously recorded cultural resources, LAs 25665, 38934, 72399, 104394, 117908, 117909, 117910, 118226, and 158935. Two previously recorded cultural resources, LA 117909 and LA 117910, fell within the survey area. LA 117909 and LA 117910 were updated. LA 117909 has been previously documented as destroyed due to well pad construction. LA 117910 has been partially destroyed by the construction of a pipeline corridor. Neither LA 117909 nor LA 117910 were impacted by the Riser 38 release.

Remediation began in late 2024, photographic documentation of the remediation processes was conducted by Boone Archaeological Resources Consultants, LLC on December 11, 2024. All remediation disturbances took place within existing disturbances. No additional impacts to LA 117909 or LA 117910 were documented.

Environmental Setting (NRCS soil designation; vegetative community; elevation; etc.)

Environmental Setting: According to the Natural Resources Conservation Service' online database, the project area soils consist of Berino-Dune land complex, loamy soil, 0 to 3 percent slopes. This soil supports tobosa, black grama, and blue grama. Grass cover is uniformly distributed with few large bare areas. Shrubs are sparse and evenly distributed. The current vegetative community consists of mesquite, javelina bush, broom snakeweed, and desert grasses and forbs. The project area lies on a sloping scrubland terrain with an elevation ranging between 3,590 ft. to 3,575 ft. above mean sea level.

Percent Ground Visibility

Ground Visibility: 76-99%

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 157451

HPD Log No(s).

Methodology

Condition of Survey Some portions of the survey area have been heavily impacted by well pads, lease roads, electric lines, flowlines, buried pipelines, erosion, and inadvertent releases.
Area:

The release originated from a surface valve and followed existing pipeline disturbance flowing downhill towards the west. The produced water release area totaled 0.32 acres with 0.24 acres falling on federal land and 0.08 acres falling on NMST land.

Attachments (check all appropriate boxes)

- USGS 7.5 Topographic Map with sites, isolates, and survey area clearly drawn (required)
- Copy of NMCRIS Map Check (required)
- LA Site Forms - new sites (with sketch map & topographic map) if applicable
- LA Site Forms (update) - previously recorded & un-relocated sites (first 2 pages minimum)
- Historic Cultural Property Inventory Forms, if applicable
- List and Description of Isolates, if applicable
- List and Description of Collections, if applicable

Other Attachments

- Photographs and Log
- Other attachments **Describe:** Pre-field Form

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 157451

HPD Log No(s).

Cultural Resource Findings

Investigation Results

Archaeological Sites Discovered and Registered:	0
Archaeological Sites Discovered and NOT Registered:	0
Previously Recorded Archaeological Sites Revisited (site update form required):	1
Previously Recorded Archaeological Sites Not Relocated (site update form required):	1
Total Archaeological Sites (visited & recorded):	1
Total Isolates Recorded:	1
HCPI Properties Discovered and Registered:	0
HCPI Properties Discovered And NOT Registered:	0
Previously Recorded HCPI Properties Revisited:	0
Previously Recorded HCPI Properties NOT Relocated:	0
Total HCPI Properties (visited & recorded, including acequias):	0

If No Cultural Resources Found, Discuss Why: One isolated manifestation was recorded within the survey area. For a detailed description of the isolates, see Table 1.

Management Summary

Summary: A produced water release that occurred in May of 2024 east of the site, flowed downhill following the existing pipeline disturbance. A 100 ft. survey buffer was conducted around the release area. Two previously recorded cultural resources, LA 117909 and LA 117910, fell within the survey area. LA 117909 and LA 117910 were updated. LA 117909 has been previously documented as destroyed due to well pad construction. LA 117910 has been partially destroyed by the construction of a pipeline corridor.

LA 117909 was not relocated. No artifacts were documented. The produced water release or the subsequent remediation of the release did not impact the area of the existing site boundary. Boone Archaeological Resource Consultants agrees with previous assertions that LA 117909 has been destroyed by construction activities. No treatment is recommended.

The site boundary for LA 117910 was adjusted to reflect the destroyed portion of the site caused by previous pipeline construction. The produced water release flowed downhill following the existing pipeline disturbance and entered the previously established site boundary. Due to the destruction of the site prior to the release, the release or subsequent remediation of the release did not further impact the site. Boone Archaeological Resource Consultants recommends LA 117910 remain ineligible for nomination to the NRHP. No treatment is recommended.

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 157451

HPD Log No(s).

Cultural Resource Findings

Additionally, one isolated manifestation was recorded within the survey area. Isolated manifestations are not eligible for the National Register of Historic Places and no treatment is required. Completion of treatment and cleanup of the release will result in no effect to cultural resources that are eligible for listing to the National Register of Historic Places. If cultural materials are encountered during cleanup and treatment activities, work should be halted and archaeologists with the BLM/CFO and the New Mexico State Land Office should be notified immediately.

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 157451

HPD Log No(s).

Attachments

Documents

Attachment Type	Description	Name	File Type	Upload Date	Upload By
-----------------	-------------	------	-----------	-------------	-----------



Appendix B
Soil Survey:

U.S.D.A.
FEMA Flood Map

Map Unit Description: Berino-Dune land complex, 0 to 3 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

BD—Berino-Dune land complex, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w44
Elevation: 2,450 to 5,500 feet
Mean annual precipitation: 8 to 15 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 180 to 230 days
Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 45 percent
Dune land: 40 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Berino

Setting

Landform: Plains, fan piedmonts
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sandy loam
H2 - 17 to 50 inches: sandy clay loam
H3 - 50 to 60 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 7.7 inches)

Interpretive groups

Land capability classification (irrigated): 3e

Map Unit Description: Berino-Dune land complex, 0 to 3 percent slopes---Eddy Area, New Mexico

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

Description of Dune Land

Setting

Landform: Dune fields
Landform position (two-dimensional): Shoulder, backslope, footslope
Landform position (three-dimensional): Talf
Down-slope shape: Convex, linear
Across-slope shape: Convex, linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 6 inches: sandy loam
H2 - 6 to 60 inches: sandy loam

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydric soil rating: No

Minor Components

Active dune land

Percent of map unit: 5 percent
Hydric soil rating: No

Cacique

Percent of map unit: 5 percent
Ecological site: R070BD004NM - Sandy
Hydric soil rating: No

Kermit

Percent of map unit: 5 percent
Ecological site: R070BD005NM - Deep Sand
Hydric soil rating: No

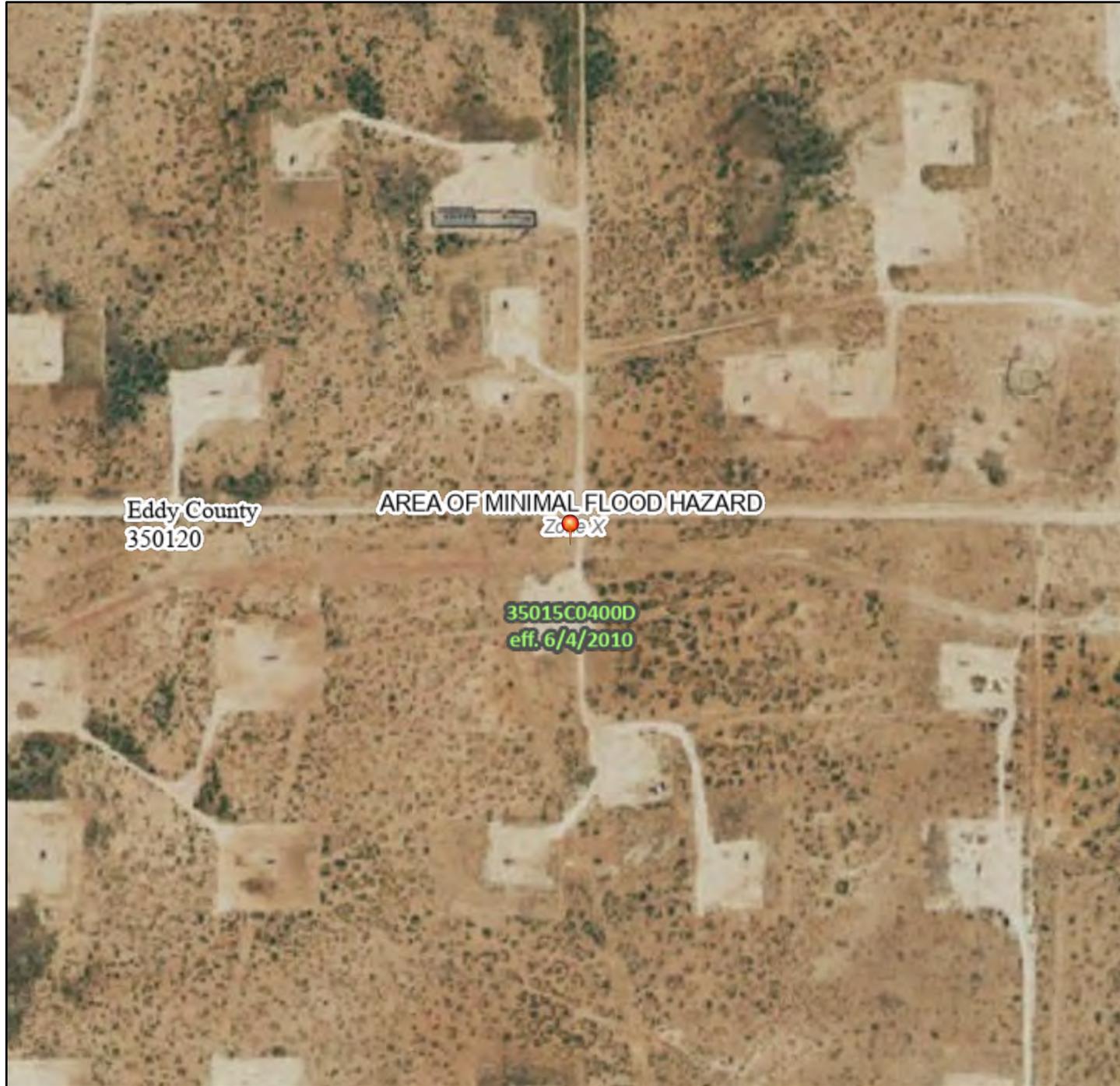
Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 20, Sep 3, 2024

National Flood Hazard Layer FIRMMette



104°3'58"W 32°50'45"N



1:6,000

104°3'21"W 32°50'15"N

Legend

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

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

OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D

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

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

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

MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/12/2025 at 4:56 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



Appendix C:

NMOCD Notification

HF Sinclair Work Plan

HF Sinclair Email Verifying Changes

Photographic Documentation

OCD Permitting

Home Operator Data Action Status Action Search Results Action Status Item Details

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	423158	Districts:	Artesia
Operator:	[328947] Spur Energy Partners LLC	Counties:	Eddy
Description:	Spur Energy Partners LLC [328947] , RISER 38 RELEASE , nAPP2322647988		
Status:	APPROVED		
Status Date:	01/21/2025		
References (1):	nAPP2322647988		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2322647988
Incident Name	NAPP2322647988 RISER 38 RELEASE @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved

Location of Release Source

Site Name	RISER 38 RELEASE
Date Release Discovered	08/12/2023
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	13,700
What is the estimated number of samples that will be gathered	39
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/24/2025
Time sampling will commence	08:00 AM

Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers	Angel Pena 575-605-0773
Please provide any information necessary for navigation to sampling site	32.8415, -104.061

Searches

Operator Data

Hearing Fee Application

Comments

No comments found for this submission.

Conditions

Summary:

apena (1/21/2025), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

[Go Back](#)

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1220 South St. Francis Drive | Santa Fe, NM 87505 | P: (505) 476-3200 | F: (505) 476-3220

[EMNRD Home](#) [OCD Main Page](#) [OCD Rules](#) [Help](#)



Tristan Jones <tristan@paragonenvironmental.net>

The Oil Conservation Division (OCD) has accepted the application, Application ID: 438854

1 message

OCDOnline@state.nm.us <OCDOnline@state.nm.us>
To: tristan@paragonenvironmental.net

Tue, Mar 4, 2025 at 3:00 PM

To whom it may concern (c/o Tristan Jones for Spur Energy Partners LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2322647988.

The sampling event is expected to take place:

When: 03/07/2025 @ 08:00

Where: B-15-17S-29E 0 FNL 0 FEL (32.84159,-104.06104)

Additional Information: 575-318-6841 tristan jones

Additional Instructions: 32.8415, -104.061

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505



Angel Pena <angel@paragonenvironmental.net>

The Oil Conservation Division (OCD) has accepted the application, Application ID: 473461

<OCDOnline@state.nm.us>

Wed, Jun 11 at 6:33 PM

To: <angel@paragonenvironmental.net>

To whom it may concern (c/o Angel Pena for Spur Energy Partners LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2322647988.

The sampling event is expected to take place:

When: 06/16/2025 @ 08:00

Where: B-15-17S-29E 0 FNL 0 FEL (32.84159,-104.06104)

Additional Information: Angel Pena
575-605-0773

Additional Instructions: Latitude 32.8415 Longitude -104.061

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**
- **If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505



Kathy Purvis
EHS Coordinator
Spur Energy Partners

1 October 2024

RE: Proposed Workplan for Riser 38 Release

After review of the proposed workplan for the Spur Energy Partners Riser 38 release, HFSinclair Midstream (HFMSM) has the following conditions and requests in regard to the workplan:

1. The contractor performing the remediation should be familiar with digging around pipelines, pipeline protection zones, and possess the operator qualifications (OQ) as related to excavation and backfill. This includes ensuring that lines are properly supported during duration of the work being completed. All work must be under the complete oversight of an HFMSM operator qualified technician who must be on-site during all excavation around HFMSM pipelines.
2. The pipeline should be completely exposed to allow for the HFMSM personnel to complete a pipeline S123 report. Based upon these findings repairs may need to be made before backfill can be completed.
3. Backfill material utilized around the pipeline must be:
 - a. Be free of rocks, trash, and debris
 - b. Have low chloride content, <10ppm
 - c. Be well-graded and compactable to provide adequate support and minimize the movement of the pipeline
4. The liner should be placed 6' under the line so that if HFMSM must conduct future excavation activities around our pipelines we do not puncture the liner that has been placed by Spur.
5. HFMSM will not agree to any workplan till the Bureau of Land Management (BLM) and the New Mexico State Land Office (NMSLO) has agreed to workplan suggested since both parties have ownership of the impacted areas.

If you have any questions I can be reached at (214) 970-8902.

Thank you,



Jason Leik
Director Remediation
HF Sinclair Remediation Program

Holly Energy Partners – Operating, L.P.
2828 N. Harwood, Suite 1300, Dallas, Texas 75201
Tel: 214-871-3555
hollyenergy.com

Holly Energy Partners – Operating, L.P.
hollyenergy.com

Wednesday, June 11, 2025 at 11:53:46 AM Central Daylight Time

Subject: Fwd: Spur Riser
Date: Wednesday, June 11, 2025 at 9:19:34 AM Central Daylight Time
From: Angel Pena
To: Chris Jones
Attachments: image001.jpg

Thank You,

Angel O. Pena

Field Superintendent

1601 N. Turner Ste. 500

Hobbs, NM 88240

Angel@paragonenvironmental.net

575-605-0773

----- Forwarded message -----

From: Vasquez, Adrian <Adrian.Vasquez@hfsinclair.com>
Date: Wed, Jun 11, 2025 at 8:17 AM
Subject: Spur Riser
To: ANGEL@PARAGONENVIRONMENTAL.NET <angel@paragonenvironmental.net>

Angel,

Per-conversation about the project going on at the riser for Spur, the reason for the depth of 4' was due to the integrity of the pipe, and having some issues with it not having supports underneath do to the length of the dig. Supports were put in place to protect the integrity of the pipe so that their would no issues in the future. Any questions or concerns please feel free to reach out.

Thanks

Adrian Vasquez

Lead | One-call

O (575) 748-8000

M (972) 626-4993

Adrian.Vasquez@hfsinclair.com

www.HFSinclair.com

801 E Main Artesia, NM 88210



MIDSTREAM

“ALL GAS NO BRAKES”

You can now reach me at the below email address, please update your records.

Adrian.Vasquez@hfsinclair.com

www.HFSinclair.com

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signature or a commitment to a binding agreement.



**Photographic Documentation
Before**



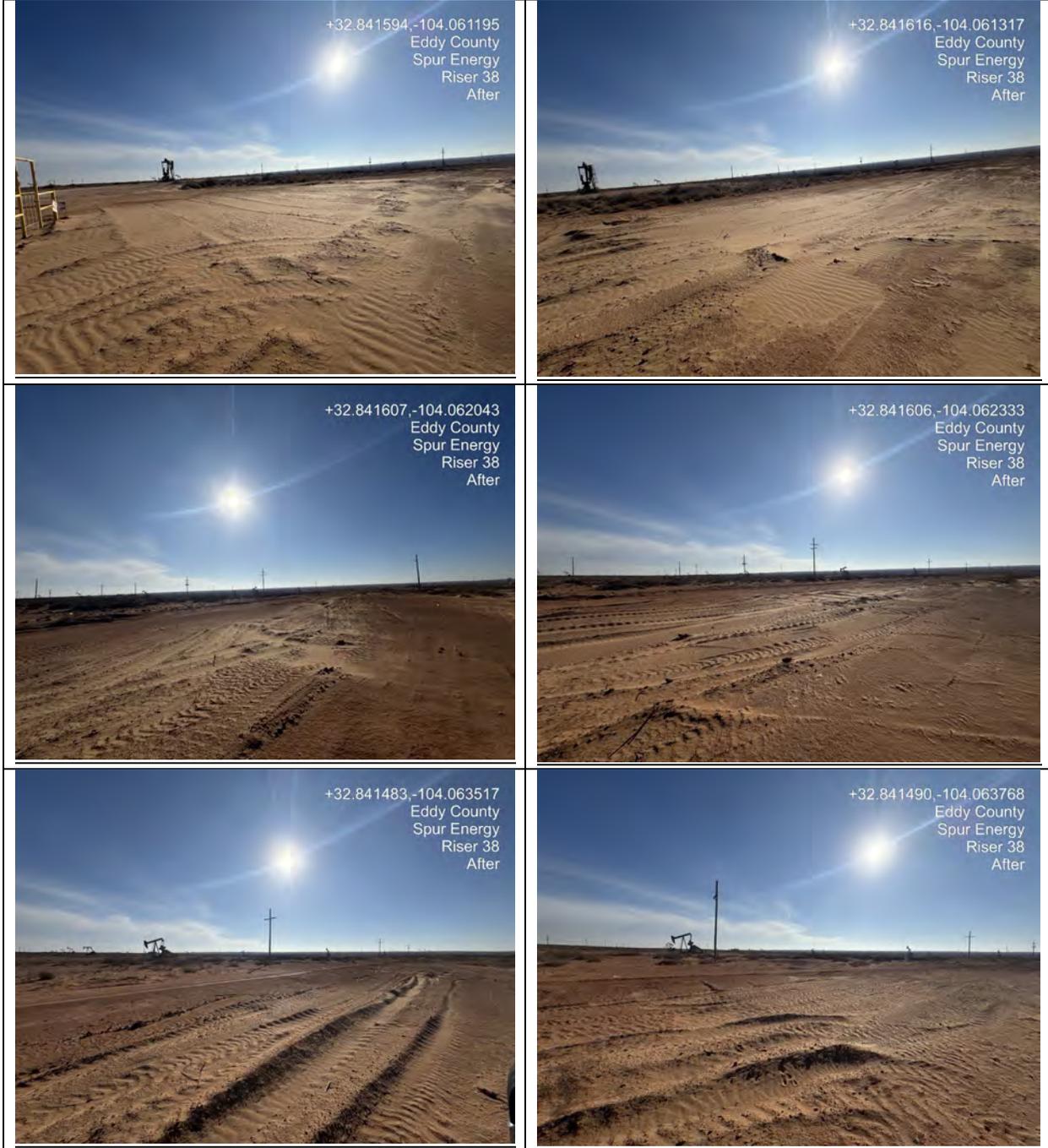


**Photographic Documentation
During**





Photographic Documentation
Post





Appendix D:
Laboratory Results



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

June 12, 2025

CHRIS JONES

PARAGON ENVIROMENTAL

1601 N TURNER ST., STE 500

HOBBS, NM 88240

RE: RISER 38

Enclosed are the results of analyses for samples received by the laboratory on 01/27/25 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
---	---	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
NSW - 1 8'	H250479-01	Soil	24-Jan-25 00:00	27-Jan-25 16:30
NSW - 2 8'	H250479-02	Soil	24-Jan-25 00:00	27-Jan-25 16:30
NSW - 3 8'	H250479-03	Soil	24-Jan-25 00:00	27-Jan-25 16:30
NSW - 4 8'	H250479-04	Soil	24-Jan-25 00:00	27-Jan-25 16:30
NSW - 5 8'	H250479-05	Soil	24-Jan-25 00:00	27-Jan-25 16:30
NSW - 6 8'	H250479-06	Soil	24-Jan-25 00:00	27-Jan-25 16:30
NSW - 7 8'	H250479-07	Soil	24-Jan-25 00:00	27-Jan-25 16:30
NSW - 8 8'	H250479-08	Soil	24-Jan-25 00:00	27-Jan-25 16:30
NSW - 9 8'	H250479-09	Soil	24-Jan-25 00:00	27-Jan-25 16:30
NSW - 10 8'	H250479-10	Soil	24-Jan-25 00:00	27-Jan-25 16:30
NSW - 11 8'	H250479-11	Soil	24-Jan-25 00:00	27-Jan-25 16:30
NSW - 12 11'	H250479-12	Soil	24-Jan-25 00:00	27-Jan-25 16:30
NSW - 13 8'	H250479-13	Soil	24-Jan-25 00:00	27-Jan-25 16:30
NSW - 14 8'	H250479-14	Soil	24-Jan-25 00:00	27-Jan-25 16:30
NSW - 15 11'	H250479-15	Soil	24-Jan-25 00:00	27-Jan-25 16:30
NSW - 16 11'	H250479-16	Soil	24-Jan-25 00:00	27-Jan-25 16:30
NSW - 17 11'	H250479-17	Soil	24-Jan-25 00:00	27-Jan-25 16:30
NSW - 19 11'	H250479-19	Soil	24-Jan-25 00:00	27-Jan-25 16:30
NSW - 20 11'	H250479-20	Soil	24-Jan-25 00:00	27-Jan-25 16:30
NSW - 21 11'	H250479-21	Soil	24-Jan-25 00:00	27-Jan-25 16:30
SSW - 22 8'	H250479-22	Soil	24-Jan-25 00:00	27-Jan-25 16:30
SSW - 23 8'	H250479-23	Soil	24-Jan-25 00:00	27-Jan-25 16:30
SSW - 24 11'	H250479-24	Soil	24-Jan-25 00:00	27-Jan-25 16:30
SSW - 25 11'	H250479-25	Soil	24-Jan-25 00:00	27-Jan-25 16:30
SSW - 26 11'	H250479-26	Soil	24-Jan-25 00:00	27-Jan-25 16:30
SSW - 27 11'	H250479-27	Soil	24-Jan-25 00:00	27-Jan-25 16:30
SSW - 28 11'	H250479-28	Soil	24-Jan-25 00:00	27-Jan-25 16:30

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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SSW - 29	11'	H250479-29	Soil	24-Jan-25 00:00	27-Jan-25 16:30
SSW - 30	11'	H250479-30	Soil	24-Jan-25 00:00	27-Jan-25 16:30
SSW - 31	8'	H250479-31	Soil	24-Jan-25 00:00	27-Jan-25 16:30
SSW - 32	8'	H250479-32	Soil	24-Jan-25 00:00	27-Jan-25 16:30
SSW - 33	8'	H250479-33	Soil	24-Jan-25 00:00	27-Jan-25 16:30
SSW - 34	8'	H250479-34	Soil	24-Jan-25 00:00	27-Jan-25 16:30
SSW - 35	8'	H250479-35	Soil	24-Jan-25 00:00	27-Jan-25 16:30
SSW - 36	8'	H250479-36	Soil	24-Jan-25 00:00	27-Jan-25 16:30
SSW - 37	8'	H250479-37	Soil	24-Jan-25 00:00	27-Jan-25 16:30
SSW - 38	8'	H250479-38	Soil	24-Jan-25 00:00	27-Jan-25 16:30
SSW - 39	8'	H250479-39	Soil	24-Jan-25 00:00	27-Jan-25 16:30
SSW - 40	8'	H250479-40	Soil	24-Jan-25 00:00	27-Jan-25 16:30
ESW - 41	8'	H250479-41	Soil	24-Jan-25 00:00	27-Jan-25 16:30
WSW - 42	8'	H250479-42	Soil	24-Jan-25 00:00	27-Jan-25 16:30

06/12/25 - Client changed all samples to composites (see COC). This is the revised report and will replace the one sent on 01/31/25.

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Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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NSW - 1 8'
H250479-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	5013005	AC	30-Jan-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		5012817	JH	29-Jan-25	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012762	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012762	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012762	MS	29-Jan-25	8015B	
Surrogate: 1-Chlorooctane			84.6 %	48.2-134		5012762	MS	29-Jan-25	8015B	
Surrogate: 1-Chlorooctadecane			81.5 %	49.1-148		5012762	MS	29-Jan-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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NSW - 2 8'
H250479-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	5013005	AC	30-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012817	JH	29-Jan-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			111 %	71.5-134		5012817	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012762	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012762	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012762	MS	29-Jan-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			94.1 %	48.2-134		5012762	MS	29-Jan-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			90.6 %	49.1-148		5012762	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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NSW - 3 8'
H250479-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	5013005	AC	30-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012817	JH	29-Jan-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %	71.5-134		5012817	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012763	MS	28-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012763	MS	28-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012763	MS	28-Jan-25	8015B	

Surrogate: 1-Chlorooctane			94.8 %	48.2-134		5012763	MS	28-Jan-25	8015B	
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Surrogate: 1-Chlorooctadecane			90.4 %	49.1-148		5012763	MS	28-Jan-25	8015B	
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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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NSW - 4 8'
H250479-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	5013005	AC	30-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012817	JH	29-Jan-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	71.5-134		5012817	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			92.4 %	48.2-134		5012763	MS	29-Jan-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			89.4 %	49.1-148		5012763	MS	29-Jan-25	8015B	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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NSW - 5 8'
H250479-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	5013005	AC	30-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012817	JH	29-Jan-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	71.5-134		5012817	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			93.1 %	48.2-134		5012763	MS	29-Jan-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			89.0 %	49.1-148		5012763	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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NSW - 6 8'
H250479-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	5013005	AC	30-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012817	JH	29-Jan-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	71.5-134		5012817	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	

Surrogate: 1-Chlorooctane			90.0 %	48.2-134		5012763	MS	29-Jan-25	8015B	
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Surrogate: 1-Chlorooctadecane			85.2 %	49.1-148		5012763	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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NSW - 7 8'
H250479-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	5013005	AC	30-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012817	JH	29-Jan-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			113 %	71.5-134		5012817	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	

Surrogate: 1-Chlorooctane			100 %	48.2-134		5012763	MS	29-Jan-25	8015B	
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Surrogate: 1-Chlorooctadecane			94.2 %	49.1-148		5012763	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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NSW - 8 8'
H250479-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	5013005	AC	30-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012817	JH	29-Jan-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			109 %	71.5-134		5012817	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	

Surrogate: 1-Chlorooctane			90.2 %	48.2-134		5012763	MS	29-Jan-25	8015B	
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Surrogate: 1-Chlorooctadecane			84.5 %	49.1-148		5012763	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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NSW - 9 8'
H250479-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	5013005	AC	30-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012817	JH	29-Jan-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %	71.5-134		5012817	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			95.1 %	48.2-134		5012763	MS	29-Jan-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			91.0 %	49.1-148		5012763	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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NSW - 10 8'
H250479-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	5013005	AC	30-Jan-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012817	JH	29-Jan-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	71.5-134		5012817	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			102 %	48.2-134		5012763	MS	29-Jan-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			99.2 %	49.1-148		5012763	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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NSW - 11 8'
H250479-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	5013005	AC	30-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012817	JH	29-Jan-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			113 %	71.5-134		5012817	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	

Surrogate: 1-Chlorooctane			85.6 %	48.2-134		5012763	MS	29-Jan-25	8015B	
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Surrogate: 1-Chlorooctadecane			83.2 %	49.1-148		5012763	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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NSW - 12 11'
H250479-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	5013005	AC	30-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012817	JH	29-Jan-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %	71.5-134		5012817	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			94.2 %	48.2-134		5012763	MS	29-Jan-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			90.3 %	49.1-148		5012763	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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NSW - 13 8'
H250479-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	5013005	AC	30-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012817	JH	29-Jan-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			107 %	71.5-134		5012817	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			96.5 %	48.2-134		5012763	MS	29-Jan-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			92.1 %	49.1-148		5012763	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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NSW - 14 8'
H250479-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	5013005	AC	30-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012817	JH	29-Jan-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		5012817	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	

Surrogate: 1-Chlorooctane			100 %	48.2-134		5012763	MS	29-Jan-25	8015B	
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Surrogate: 1-Chlorooctadecane			93.2 %	49.1-148		5012763	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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NSW - 15 11'
H250479-15 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	5012946	AC	30-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012817	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012817	JH	29-Jan-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			112 %	71.5-134		5012817	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	

Surrogate: 1-Chlorooctane			82.1 %	48.2-134		5012763	MS	29-Jan-25	8015B	
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Surrogate: 1-Chlorooctadecane			76.7 %	49.1-148		5012763	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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NSW - 16 11'
H250479-16 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	5012946	AC	30-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	QM-07
Total Xylenes*	<0.150		0.150	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012818	JH	29-Jan-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			121 %		71.5-134	5012818	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	

Surrogate: 1-Chlorooctane			84.6 %		48.2-134	5012763	MS	29-Jan-25	8015B	
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Surrogate: 1-Chlorooctadecane			78.6 %		49.1-148	5012763	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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NSW - 17 11'
H250479-17 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	5012946	AC	30-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012818	JH	29-Jan-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			122 %	71.5-134		5012818	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			90.5 %	48.2-134		5012763	MS	29-Jan-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			85.9 %	49.1-148		5012763	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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NSW - 19 11'
H250479-19 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	5012946	AC	30-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012818	JH	29-Jan-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			120 %	71.5-134		5012818	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			87.5 %	48.2-134		5012763	MS	29-Jan-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			83.7 %	49.1-148		5012763	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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NSW - 20 11'
H250479-20 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	5012946	AC	30-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012818	JH	29-Jan-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			122 %	71.5-134		5012818	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	

Surrogate: 1-Chlorooctane			92.2 %	48.2-134		5012763	MS	29-Jan-25	8015B	
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Surrogate: 1-Chlorooctadecane			84.9 %	49.1-148		5012763	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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NSW - 21 11'
H250479-21 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	5012946	AC	30-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012818	JH	29-Jan-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			121 %	71.5-134		5012818	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			95.2 %	48.2-134		5012763	MS	29-Jan-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			89.3 %	49.1-148		5012763	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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SSW - 22 8'
H250479-22 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	5012946	AC	30-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012818	JH	29-Jan-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			121 %	71.5-134		5012818	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			84.1 %	48.2-134		5012763	MS	29-Jan-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			77.5 %	49.1-148		5012763	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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SSW - 23 8'
H250479-23 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	5012946	AC	30-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012818	JH	29-Jan-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			121 %	71.5-134		5012818	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012763	MS	29-Jan-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			94.9 %	48.2-134		5012763	MS	29-Jan-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			89.6 %	49.1-148		5012763	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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SSW - 24 11'
H250479-24 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	5012946	AC	30-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012818	JH	29-Jan-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			122 %	71.5-134		5012818	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	

Surrogate: 1-Chlorooctane			92.3 %	48.2-134		5012808	MS	29-Jan-25	8015B	
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Surrogate: 1-Chlorooctadecane			92.4 %	49.1-148		5012808	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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SSW - 25 11'
H250479-25 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	5012946	AC	30-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012818	JH	29-Jan-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			124 %	71.5-134		5012818	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	

Surrogate: 1-Chlorooctane			110 %	48.2-134		5012808	MS	29-Jan-25	8015B	
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Surrogate: 1-Chlorooctadecane			112 %	49.1-148		5012808	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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SSW - 26 11'
H250479-26 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	5012946	AC	30-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012818	JH	29-Jan-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			120 %	71.5-134		5012818	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	

Surrogate: 1-Chlorooctane			97.2 %	48.2-134		5012808	MS	29-Jan-25	8015B	
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Surrogate: 1-Chlorooctadecane			97.1 %	49.1-148		5012808	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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SSW - 27 11'
H250479-27 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	5012946	AC	30-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012818	JH	29-Jan-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			121 %	71.5-134		5012818	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	

Surrogate: 1-Chlorooctane			102 %	48.2-134		5012808	MS	29-Jan-25	8015B	
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Surrogate: 1-Chlorooctadecane			104 %	49.1-148		5012808	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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SSW - 28 11'
H250479-28 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	5012946	AC	30-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012818	JH	29-Jan-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			123 %	71.5-134		5012818	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			107 %	48.2-134		5012808	MS	29-Jan-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			109 %	49.1-148		5012808	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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SSW - 29 11'
H250479-29 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	5012946	AC	30-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012818	JH	29-Jan-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			118 %	71.5-134		5012818	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	

Surrogate: 1-Chlorooctane			100 %	48.2-134		5012808	MS	29-Jan-25	8015B	
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Surrogate: 1-Chlorooctadecane			103 %	49.1-148		5012808	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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SSW - 30 11'
H250479-30 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	5012946	AC	30-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012818	JH	29-Jan-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			123 %	71.5-134		5012818	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	

Surrogate: 1-Chlorooctane			110 %	48.2-134		5012808	MS	29-Jan-25	8015B	
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Surrogate: 1-Chlorooctadecane			111 %	49.1-148		5012808	MS	29-Jan-25	8015B	
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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SSW - 31 8'
H250479-31 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	5012946	AC	30-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012818	JH	29-Jan-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			118 %	71.5-134		5012818	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	

Surrogate: 1-Chlorooctane			108 %	48.2-134		5012808	MS	29-Jan-25	8015B	
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Surrogate: 1-Chlorooctadecane			111 %	49.1-148		5012808	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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SSW - 32 8'
H250479-32 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	5012946	AC	30-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012818	JH	29-Jan-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			119 %	71.5-134		5012818	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			105 %	48.2-134		5012808	MS	29-Jan-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			104 %	49.1-148		5012808	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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SSW - 33 8'
H250479-33 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	5012946	AC	30-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012818	JH	29-Jan-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			121 %	71.5-134		5012818	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	

Surrogate: 1-Chlorooctane			111 %	48.2-134		5012808	MS	29-Jan-25	8015B	
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Surrogate: 1-Chlorooctadecane			118 %	49.1-148		5012808	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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SSW - 34 8'
H250479-34 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	5012946	AC	30-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012818	JH	29-Jan-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			117 %	71.5-134		5012818	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	

Surrogate: 1-Chlorooctane			112 %	48.2-134		5012808	MS	29-Jan-25	8015B	
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Surrogate: 1-Chlorooctadecane			114 %	49.1-148		5012808	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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SSW - 35 8'
H250479-35 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	5012946	AC	30-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012818	JH	29-Jan-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			122 %	71.5-134		5012818	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	

Surrogate: 1-Chlorooctane			120 %	48.2-134		5012808	MS	29-Jan-25	8015B	
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Surrogate: 1-Chlorooctadecane			126 %	49.1-148		5012808	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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SSW - 36 8'
H250479-36 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	5012905	HM	29-Jan-25	4500-CI-B	QR-03
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012818	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012818	JH	29-Jan-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134 5012818 JH 29-Jan-25 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	

Surrogate: 1-Chlorooctane 102 % 48.2-134 5012808 MS 29-Jan-25 8015B

Surrogate: 1-Chlorooctadecane 105 % 49.1-148 5012808 MS 29-Jan-25 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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SSW - 37 8'
H250479-37 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	5012905	HM	29-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012826	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012826	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012826	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012826	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012826	JH	29-Jan-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		5012826	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	

Surrogate: 1-Chlorooctane			104 %	48.2-134		5012808	MS	29-Jan-25	8015B	
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Surrogate: 1-Chlorooctadecane			107 %	49.1-148		5012808	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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SSW - 38 8'
H250479-38 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	5012905	HM	29-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012826	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012826	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012826	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012826	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012826	JH	29-Jan-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	71.5-134		5012826	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			106 %	48.2-134		5012808	MS	29-Jan-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			109 %	49.1-148		5012808	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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SSW - 39 8'
H250479-39 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	5012905	HM	29-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012826	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012826	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012826	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012826	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012826	JH	29-Jan-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	71.5-134		5012826	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	

Surrogate: 1-Chlorooctane			105 %	48.2-134		5012808	MS	29-Jan-25	8015B	
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Surrogate: 1-Chlorooctadecane			109 %	49.1-148		5012808	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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SSW - 40 8'
H250479-40 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	5012905	HM	29-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012826	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012826	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012826	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012826	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012826	JH	29-Jan-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	71.5-134		5012826	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			108 %	48.2-134		5012808	MS	29-Jan-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			113 %	49.1-148		5012808	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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ESW - 41 8'
H250479-41 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	5012905	HM	29-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012826	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012826	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012826	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012826	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012826	JH	29-Jan-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	71.5-134		5012826	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			106 %	48.2-134		5012808	MS	29-Jan-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			108 %	49.1-148		5012808	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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**WSW - 42 8'
H250479-42 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	5012905	HM	29-Jan-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5012826	JH	29-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5012826	JH	29-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5012826	JH	29-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5012826	JH	29-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5012826	JH	29-Jan-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	71.5-134		5012826	JH	29-Jan-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012808	MS	29-Jan-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			93.0 %	48.2-134		5012808	MS	29-Jan-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			94.0 %	49.1-148		5012808	MS	29-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5012905 - 1:4 DI Water

Blank (5012905-BLK1)				Prepared & Analyzed: 29-Jan-25						
Chloride	ND	16.0	mg/kg							
LCS (5012905-BS1)				Prepared & Analyzed: 29-Jan-25						
Chloride	464	16.0	mg/kg	400		116	80-120			
LCS Dup (5012905-BSD1)				Prepared & Analyzed: 29-Jan-25						
Chloride	432	16.0	mg/kg	400		108	80-120	7.14	20	

Batch 5012946 - 1:4 DI Water

Blank (5012946-BLK1)				Prepared: 29-Jan-25 Analyzed: 30-Jan-25						
Chloride	ND	16.0	mg/kg							
LCS (5012946-BS1)				Prepared: 29-Jan-25 Analyzed: 30-Jan-25						
Chloride	400	16.0	mg/kg	400		100	80-120			
LCS Dup (5012946-BSD1)				Prepared: 29-Jan-25 Analyzed: 30-Jan-25						
Chloride	432	16.0	mg/kg	400		108	80-120	7.69	20	

Batch 5013005 - 1:4 DI Water

Blank (5013005-BLK1)				Prepared & Analyzed: 30-Jan-25						
Chloride	ND	16.0	mg/kg							
LCS (5013005-BS1)				Prepared & Analyzed: 30-Jan-25						
Chloride	416	16.0	mg/kg	400		104	80-120			

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Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5013005 - 1:4 DI Water

LCS Dup (5013005-BSD1)

Prepared & Analyzed: 30-Jan-25

Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
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Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5012817 - Volatiles

Blank (5012817-BLK1)

Prepared: 28-Jan-25 Analyzed: 29-Jan-25

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0586		mg/kg	0.0500		117	71.5-134			

LCS (5012817-BS1)

Prepared: 28-Jan-25 Analyzed: 29-Jan-25

Benzene	2.29	0.050	mg/kg	2.00		115	82.8-130			
Toluene	2.10	0.050	mg/kg	2.00		105	86-128			
Ethylbenzene	2.30	0.050	mg/kg	2.00		115	85.9-128			
m,p-Xylene	4.74	0.100	mg/kg	4.00		118	89-129			
o-Xylene	2.33	0.050	mg/kg	2.00		117	86.1-125			
Total Xylenes	7.07	0.150	mg/kg	6.00		118	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0487		mg/kg	0.0500		97.4	71.5-134			

LCS Dup (5012817-BSD1)

Prepared: 28-Jan-25 Analyzed: 29-Jan-25

Benzene	2.33	0.050	mg/kg	2.00		117	82.8-130	1.80	15.8	
Toluene	2.21	0.050	mg/kg	2.00		110	86-128	4.89	15.9	
Ethylbenzene	2.41	0.050	mg/kg	2.00		121	85.9-128	4.82	16	
m,p-Xylene	4.97	0.100	mg/kg	4.00		124	89-129	4.82	16.2	
o-Xylene	2.45	0.050	mg/kg	2.00		123	86.1-125	4.96	16.7	
Total Xylenes	7.43	0.150	mg/kg	6.00		124	88.2-128	4.87	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0514		mg/kg	0.0500		103	71.5-134			

Batch 5012818 - Volatiles

Blank (5012818-BLK1)

Prepared: 28-Jan-25 Analyzed: 29-Jan-25

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5012818 - Volatiles

Blank (5012818-BLK1) Prepared: 28-Jan-25 Analyzed: 29-Jan-25

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0610		mg/kg	0.0500		122	71.5-134			

LCS (5012818-BS1) Prepared: 28-Jan-25 Analyzed: 29-Jan-25

Benzene	2.35	0.050	mg/kg	2.00		118	82.8-130			
Toluene	2.47	0.050	mg/kg	2.00		124	86-128			
Ethylbenzene	2.51	0.050	mg/kg	2.00		125	85.9-128			
m,p-Xylene	4.90	0.100	mg/kg	4.00		123	89-129			
o-Xylene	2.53	0.050	mg/kg	2.00		127	86.1-125			BS-3
Total Xylenes	7.43	0.150	mg/kg	6.00		124	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0541		mg/kg	0.0500		108	71.5-134			

LCS Dup (5012818-BSD1) Prepared: 28-Jan-25 Analyzed: 29-Jan-25

Benzene	2.24	0.050	mg/kg	2.00		112	82.8-130	4.98	15.8	
Toluene	2.38	0.050	mg/kg	2.00		119	86-128	3.82	15.9	
Ethylbenzene	2.44	0.050	mg/kg	2.00		122	85.9-128	2.75	16	
m,p-Xylene	4.72	0.100	mg/kg	4.00		118	89-129	3.68	16.2	
o-Xylene	2.45	0.050	mg/kg	2.00		122	86.1-125	3.29	16.7	
Total Xylenes	7.17	0.150	mg/kg	6.00		120	88.2-128	3.55	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0546		mg/kg	0.0500		109	71.5-134			

Batch 5012826 - Volatiles

Blank (5012826-BLK1) Prepared: 28-Jan-25 Analyzed: 29-Jan-25

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0525		mg/kg	0.0500		105	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5012826 - Volatiles

LCS (5012826-BS1)

Prepared: 28-Jan-25 Analyzed: 29-Jan-25

Benzene	2.02	0.050	mg/kg	2.00		101	82.8-130			
Toluene	2.13	0.050	mg/kg	2.00		106	86-128			
Ethylbenzene	2.11	0.050	mg/kg	2.00		105	85.9-128			
m,p-Xylene	4.29	0.100	mg/kg	4.00		107	89-129			
o-Xylene	2.06	0.050	mg/kg	2.00		103	86.1-125			
Total Xylenes	6.35	0.150	mg/kg	6.00		106	88.2-128			

Surrogate: 4-Bromofluorobenzene (PID)	0.0493		mg/kg	0.0500		98.6	71.5-134			
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LCS Dup (5012826-BS1)

Prepared: 28-Jan-25 Analyzed: 29-Jan-25

Benzene	2.04	0.050	mg/kg	2.00		102	82.8-130	0.664	15.8	
Toluene	2.13	0.050	mg/kg	2.00		107	86-128	0.250	15.9	
Ethylbenzene	2.09	0.050	mg/kg	2.00		104	85.9-128	0.886	16	
m,p-Xylene	4.26	0.100	mg/kg	4.00		107	89-129	0.720	16.2	
o-Xylene	2.09	0.050	mg/kg	2.00		104	86.1-125	1.41	16.7	
Total Xylenes	6.35	0.150	mg/kg	6.00		106	88.2-128	0.0253	16.3	

Surrogate: 4-Bromofluorobenzene (PID)	0.0497		mg/kg	0.0500		99.5	71.5-134			
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5012762 - General Prep - Organics

Blank (5012762-BLK1)		Prepared: 27-Jan-25 Analyzed: 29-Jan-25								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	52.4		mg/kg	50.0		105	48.2-134			
Surrogate: 1-Chlorooctadecane	52.0		mg/kg	50.0		104	49.1-148			

LCS (5012762-BS1)		Prepared: 27-Jan-25 Analyzed: 28-Jan-25								
GRO C6-C10	206	10.0	mg/kg	200		103	81.5-123			
DRO >C10-C28	200	10.0	mg/kg	200		100	77.7-122			
Total TPH C6-C28	407	10.0	mg/kg	400		102	80.9-121			
Surrogate: 1-Chlorooctane	54.5		mg/kg	50.0		109	48.2-134			
Surrogate: 1-Chlorooctadecane	53.0		mg/kg	50.0		106	49.1-148			

LCS Dup (5012762-BSD1)		Prepared: 27-Jan-25 Analyzed: 29-Jan-25								
GRO C6-C10	209	10.0	mg/kg	200		105	81.5-123	1.22	13	
DRO >C10-C28	205	10.0	mg/kg	200		102	77.7-122	2.41	15.6	
Total TPH C6-C28	414	10.0	mg/kg	400		104	80.9-121	1.81	18.5	
Surrogate: 1-Chlorooctane	52.8		mg/kg	50.0		106	48.2-134			
Surrogate: 1-Chlorooctadecane	50.9		mg/kg	50.0		102	49.1-148			

Batch 5012763 - General Prep - Organics

Blank (5012763-BLK1)		Prepared: 27-Jan-25 Analyzed: 28-Jan-25								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	53.1		mg/kg	50.0		106	48.2-134			
Surrogate: 1-Chlorooctadecane	50.5		mg/kg	50.0		101	49.1-148			

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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5012763 - General Prep - Organics

LCS (5012763-BS1)		Prepared: 27-Jan-25 Analyzed: 28-Jan-25								
GRO C6-C10	215	10.0	mg/kg	200	107	81.5-123				
DRO >C10-C28	184	10.0	mg/kg	200	91.9	77.7-122				
Total TPH C6-C28	398	10.0	mg/kg	400	99.6	80.9-121				
Surrogate: 1-Chlorooctane	54.9		mg/kg	50.0	110	48.2-134				
Surrogate: 1-Chlorooctadecane	51.6		mg/kg	50.0	103	49.1-148				

LCS Dup (5012763-BSD1)		Prepared: 27-Jan-25 Analyzed: 28-Jan-25								
GRO C6-C10	214	10.0	mg/kg	200	107	81.5-123	0.336	13		
DRO >C10-C28	184	10.0	mg/kg	200	92.1	77.7-122	0.199	15.6		
Total TPH C6-C28	398	10.0	mg/kg	400	99.5	80.9-121	0.0886	18.5		
Surrogate: 1-Chlorooctane	53.0		mg/kg	50.0	106	48.2-134				
Surrogate: 1-Chlorooctadecane	51.2		mg/kg	50.0	102	49.1-148				

Batch 5012808 - General Prep - Organics

Blank (5012808-BLK1)		Prepared & Analyzed: 28-Jan-25								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	59.1		mg/kg	50.0	118	48.2-134				
Surrogate: 1-Chlorooctadecane	61.6		mg/kg	50.0	123	49.1-148				

LCS (5012808-BS1)		Prepared & Analyzed: 28-Jan-25								
GRO C6-C10	206	10.0	mg/kg	200	103	81.5-123				
DRO >C10-C28	212	10.0	mg/kg	200	106	77.7-122				
Total TPH C6-C28	418	10.0	mg/kg	400	104	80.9-121				
Surrogate: 1-Chlorooctane	60.6		mg/kg	50.0	121	48.2-134				
Surrogate: 1-Chlorooctadecane	64.2		mg/kg	50.0	128	49.1-148				

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Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 12-Jun-25 15:21
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5012808 - General Prep - Organics

LCS Dup (5012808-BSD1)

Prepared & Analyzed: 28-Jan-25

GRO C6-C10	205	10.0	mg/kg	200	103	81.5-123	0.0749	13		
DRO >C10-C28	213	10.0	mg/kg	200	106	77.7-122	0.312	15.6		
Total TPH C6-C28	418	10.0	mg/kg	400	105	80.9-121	0.121	18.5		
Surrogate: 1-Chlorooctane	59.1		mg/kg	50.0	118	48.2-134				
Surrogate: 1-Chlorooctadecane	60.6		mg/kg	50.0	121	49.1-148				

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Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Paragon Environmental
 Project Manager: Chris Jones
 Address: 1601 N. Turner St., Ste 500
 City: Hobbs State: NM Zip: 88240
 Phone #: 575-964-7814 Fax #:
 Project #:
 Project Name: *Res: 38*
 Project Location: *Eddy County*
 Sampler Name: *Francisco Robles*

BILL TO
 P.O. #:
 Company: *SPUR*
 Attn:
 Address:
 City:
 State: Zip:
 Phone #:
 Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
<i>1350479</i>	<i>NSW-1 8'</i>	<i>* G</i>							<i>1/24</i>		<i>BTEX</i>	
	<i>NSW-2 8'</i>										<i>TPH</i>	
	<i>NSW-3 8'</i>										<i>Chlorides</i>	
	<i>NSW-4 8'</i>											
	<i>NSW-5 8'</i>											
	<i>NSW-6 8'</i>											
	<i>NSW-7 8'</i>											
	<i>NSW-8 8'</i>											
	<i>NSW-9 8'</i>											
	<i>NSW-10 8'</i>											

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Relinquished By: *Fern*
 Date: *1-27-25*
 Time: *1:30*
 Received By: *Francisco*
 Date: *1-28-25*
 Time: *1:30*

Delivered By: (Circle One) *UPS / COV*
 Sampler - UPS - Bus - Other: *UPS / COV*
 Sample Condition: Cool Intact
 Checked By: *FR*

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

REMARKS:
** Customer requested changes. 1/26/11/25*



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Paragon Environmental		BILL TO		ANALYSIS REQUEST					
Project Manager: Chris Jones		P.O. #:							
Address: 1601 N. Turner St., Ste 500		Company: 11							
City: Hobbs		Attn:							
Phone #: 575-964-7814		Address:							
Fax #: 575-964-7814		City:							
Project #:		State:							
Project Name: 11		Zip:							
Project Location: 11		Phone #:							
Sample Name: 11		Fax #:							
FOR LAB USE ONLY									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	ANALYSIS
11	NSW-11	* CA					1/24		BTEX
12	NSW-12								TPH
13	NSW-13								CHLORIDES
14	NSW-14								
15	NSW-15								
16	NSW-16								
17	NSW-17								
18	NSW-18								
19	NSW-19								
20	NSW-20								
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Relinquished By: <i>Tom Clark</i>		Date: 1-27-05		Received By: <i>Debra</i>		Date: 1-23-0		Time: 10:30	
Delivered By: (Circle One) <i>UPS/C-O-U-R</i>		Sample Condition		CHECKED BY: <i>AP</i>		Cool		Intact	
Sampler - UPS - Bus - Other: <i>300/#146</i>		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<p>REMARKS: <i>* Customer requests changes. No. 10/1/05</i></p>									

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental

Project Manager: Chris Jones

Address: 1601 N. Turner St., Ste 500

City: Hobbs State: NM Zip: 88240

Phone #: 575-964-7814 Fax #:

Project #: Project Owner:

Project Name: '1'

Project Location: '1'

Sampler Name: '1'

FOR LAB USE ONLY

BILL TO

P.O. #: '1'

Company: '1'

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

ANALYSIS REQUEST

BTEX
TPH
CHLORIDES

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME		
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:			ICE / COOL	OTHER :
H050479														
B1	NSW-21 11'	*CA									1/24			
B2	SSW-22 8'													
B3	SSW-23 8'													
B4	SSW-24 11'													
B5	SSW-25 11'													
B6	SSW-26 11'													
B7	SSW-27 11'													
B8	SSW-28 11'													
B9	SSW-29 11'													
B0	SSW-30 11'													

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Relinquished By:

Date: 12/25

Time: 10:30

Received By:

Date:

Time:

Delivered By: (Circle One)

UPS - Bus - Other:

Sample Condition

Cool Intact

Yes No

Checked BY: (Initials)

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

Phone Result: Yes No Add'l Phone #:
Fax Result: Yes No Add'l Fax #:

REMARKS: * Customer requested changes. See bill/ps



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Paragon Environmental
 Project Manager: Chris Jones
 Address: 1601 N. Turner St., Ste 500
 City: Hobbs State: NM Zip: 88240
 Phone #: 575-964-7814 Fax #:
 Project #: Project Owner:
 Project Name: 11
 Project Location: 18
 Sampler Name: 11
 P.O. #: Company: 11
 Attn: Address:
 City: State: Zip:
 Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX							DATE	TIME	BTEX	TPH	CHLORIDES
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE: ICE / COOL					
Hobbs 19	SSW-31 8'	* 2								1/24				
	SSW-32 8'													
	SSW-33 8'													
	SSW-34 8'													
	SSW-35 8'													
	SSW-36 8'													
	SSW-37 8'													
	SSW-38 8'													
	SSW-39 8'													
	SSW-40 8'													

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Relinquished By: *For Mr*
 Date: 1-3-75
 Time: 10:30
 Received By: *Carroll*
 Date: _____
 Time: _____

Delivered By: (Circle One) *U.S. / G.O. / Bus / Other*
 Sampler - UPS - Bus - Other: *Bus / #140*

Sample Condition: Cool Intact
 Yes No

CHECKED BY: (Initials) *AD*

Phone Result: Yes No
 Fax Result: Yes No
 Add'l Phone #: _____
 Add'l Fax #: _____

REMARKS:
** Customer requested changes.
 7/9/25*

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: Paragon Environmental
 Project Manager: Chris Jones
 Address: 1601 N. Turner St., Ste 500
 City: Hobbs State: NM Zip: 88240
 Phone #: 575-964-7814 Fax #:
 Project #:
 Project Name: '1' Project Owner:
 Project Location: '1' City: State: Zip:
 Sampler Name: '1' Phone #: Fax #:
 P.O. #: Company: '1'
 Attn: Address:
 City: State: Zip:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							PRESERV.	SAMPLING	DATE	TIME	ANALYSIS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
HS0479	ESW-41 8'	*CN	1									1/24	1	BTEX	
41	ESW-42 8'		1										1	TRH	
														CHLORIDES	

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Relinquished By: *For CK* Date: 1-27-05 Received By: *OPPARAS* Date: 1-28-05
 Delivered By: (Circle One) UPS - Bus - Other: *UPS/COOL* Sample Condition: Cool Intact
 CHECKED BY: *AB*

Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 REMARKS: **Customer requested changes on 2/11/05*



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

June 19, 2025

CHRIS JONES

PARAGON ENVIROMENTAL

1601 N TURNER ST., STE 500

HOBBS, NM 88240

RE: RISER 38

Enclosed are the results of analyses for samples received by the laboratory on 06/17/25 17:03.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 19-Jun-25 13:48
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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
NSW - 18 11'	H253619-01	Soil	16-Jun-25 00:00	17-Jun-25 17:03
BACKFILL SAMPLE - 1	H253619-02	Soil	16-Jun-25 00:00	17-Jun-25 17:03
BACKFILL SAMPLE - 2	H253619-03	Soil	16-Jun-25 00:00	17-Jun-25 17:03
BACKFILL SAMPLE - 3	H253619-04	Soil	16-Jun-25 00:00	17-Jun-25 17:03

06/19/25 - Client changed the sample dates (see COC). This is the revised report and will replace the one sent earlier today, 06/19/25.

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Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 19-Jun-25 13:48
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**NSW - 18 11'
H253619-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	5061832	HM	18-Jun-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5061805	JH	18-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061805	JH	18-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061805	JH	18-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061805	JH	18-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061805	JH	18-Jun-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			94.8 %	71.5-134		5061805	JH	18-Jun-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5061716	MS	18-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061716	MS	18-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061716	MS	18-Jun-25	8015B	

Surrogate: 1-Chlorooctane			110 %	44.4-145		5061716	MS	18-Jun-25	8015B	
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Surrogate: 1-Chlorooctadecane			105 %	40.6-153		5061716	MS	18-Jun-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 19-Jun-25 13:48
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**BACKFILL SAMPLE - 1
H253619-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	5061832	HM	18-Jun-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5061805	JH	18-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061805	JH	18-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061805	JH	18-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061805	JH	18-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061805	JH	18-Jun-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			96.5 %		71.5-134	5061805	JH	18-Jun-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5061716	MS	18-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061716	MS	18-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061716	MS	18-Jun-25	8015B	

Surrogate: 1-Chlorooctane			112 %		44.4-145	5061716	MS	18-Jun-25	8015B	
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Surrogate: 1-Chlorooctadecane			108 %		40.6-153	5061716	MS	18-Jun-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 19-Jun-25 13:48
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BACKFILL SAMPLE - 2
H253619-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	5061832	HM	18-Jun-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5061805	JH	19-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061805	JH	19-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061805	JH	19-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061805	JH	19-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061805	JH	19-Jun-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			95.4 %	71.5-134		5061805	JH	19-Jun-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5061716	MS	18-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061716	MS	18-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061716	MS	18-Jun-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			104 %	44.4-145		5061716	MS	18-Jun-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			102 %	40.6-153		5061716	MS	18-Jun-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 19-Jun-25 13:48
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BACKFILL SAMPLE - 3
H253619-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	5061832	HM	18-Jun-25	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5061805	JH	18-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5061805	JH	18-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5061805	JH	18-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5061805	JH	18-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5061805	JH	18-Jun-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			94.7 %		71.5-134	5061805	JH	18-Jun-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5061716	MS	18-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5061716	MS	18-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5061716	MS	18-Jun-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			97.5 %		44.4-145	5061716	MS	18-Jun-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			91.1 %		40.6-153	5061716	MS	18-Jun-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 19-Jun-25 13:48
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Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5061832 - 1:4 DI Water										
Blank (5061832-BLK1)										
Prepared & Analyzed: 18-Jun-25										
Chloride	ND	16.0	mg/kg							
LCS (5061832-BS1)										
Prepared & Analyzed: 18-Jun-25										
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (5061832-BSD1)										
Prepared & Analyzed: 18-Jun-25										
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	

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Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 19-Jun-25 13:48
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Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5061805 - Volatiles

Blank (5061805-BLK1)

Prepared & Analyzed: 18-Jun-25

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		94.7	71.5-134			

LCS (5061805-BS1)

Prepared & Analyzed: 18-Jun-25

Benzene	1.96	0.050	mg/kg	2.00		97.8	76.3-129			
Toluene	1.98	0.050	mg/kg	2.00		99.1	84.1-129			
Ethylbenzene	1.97	0.050	mg/kg	2.00		98.5	80.1-133			
m,p-Xylene	3.88	0.100	mg/kg	4.00		97.1	81.4-134			
o-Xylene	1.94	0.050	mg/kg	2.00		97.2	81.4-133			
Total Xylenes	5.83	0.150	mg/kg	6.00		97.1	81.5-134			
Surrogate: 4-Bromofluorobenzene (PID)	0.0462		mg/kg	0.0500		92.3	71.5-134			

LCS Dup (5061805-BSD1)

Prepared & Analyzed: 18-Jun-25

Benzene	1.80	0.050	mg/kg	2.00		89.8	76.3-129	8.48	15.8	
Toluene	1.87	0.050	mg/kg	2.00		93.5	84.1-129	5.88	15.9	
Ethylbenzene	1.88	0.050	mg/kg	2.00		93.9	80.1-133	4.80	16	
m,p-Xylene	3.69	0.100	mg/kg	4.00		92.2	81.4-134	5.18	16.2	
o-Xylene	1.85	0.050	mg/kg	2.00		92.7	81.4-133	4.70	16.7	
Total Xylenes	5.54	0.150	mg/kg	6.00		92.4	81.5-134	5.02	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0463		mg/kg	0.0500		92.6	71.5-134			

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Analytical Results For:

PARAGON ENVIROMENTAL 1601 N TURNER ST., STE 500 HOBBS NM, 88240	Project: RISER 38 Project Number: NOT GIVEN Project Manager: CHRIS JONES Fax To:	Reported: 19-Jun-25 13:48
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5061716 - General Prep - Organics

Blank (5061716-BLK1) Prepared: 17-Jun-25 Analyzed: 18-Jun-25

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	40.5		mg/kg	50.0		80.9	44.4-145			
Surrogate: 1-Chlorooctadecane	37.1		mg/kg	50.0		74.3	40.6-153			

LCS (5061716-BS1) Prepared: 17-Jun-25 Analyzed: 18-Jun-25

GRO C6-C10	203	10.0	mg/kg	200		101	81.5-123			
DRO >C10-C28	195	10.0	mg/kg	200		97.4	77.7-122			
Total TPH C6-C28	398	10.0	mg/kg	400		99.4	80.9-121			
Surrogate: 1-Chlorooctane	42.9		mg/kg	50.0		85.7	44.4-145			
Surrogate: 1-Chlorooctadecane	41.2		mg/kg	50.0		82.4	40.6-153			

LCS Dup (5061716-BSD1) Prepared: 17-Jun-25 Analyzed: 18-Jun-25

GRO C6-C10	201	10.0	mg/kg	200		100	81.5-123	0.959	13	
DRO >C10-C28	191	10.0	mg/kg	200		95.5	77.7-122	1.94	15.6	
Total TPH C6-C28	392	10.0	mg/kg	400		98.0	80.9-121	1.44	18.5	
Surrogate: 1-Chlorooctane	45.6		mg/kg	50.0		91.2	44.4-145			
Surrogate: 1-Chlorooctadecane	41.3		mg/kg	50.0		82.7	40.6-153			

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: Paragon Environmental

Project Manager: Chris Jones

Address: 1601 N. Turner St., Ste 500

City: Hobbs State: NM zip: 88240

Phone #: 575-964-7814 Fax #:

Project #: Project Owner:

Project Name: Rizer 38

Project Location: Eddy County

Sampler Name: Franise Robble

FOR LAB USE ONLY

Lab I.D. Sample I.D.

H253619

NSW-18 #1

Backfill Sample-1

Backfill Sample-2

Backfill Sample-3

(G)RAB OR (C)OMP.	
# CONTAINERS	
GROUNDWATER	
WASTEWATER	
SOIL	
OIL	
SLUDGE	
OTHER :	
ACID/BASE:	
ICE / COOL	
OTHER :	

DATE TIME

10-19-25

TH
BTEX
CHLORIDES

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Relinquished By:

Date: 6-17-25

Received By:

Relinquished By: [Signature]

Date: 7-20-25

Received By: [Signature]

Phone Result:

Yes No

Add'l Phone #:

Add'l Fax #:

REMARKS: NAPP2322647988

*SAMPLE DATE CORRECTED PER CLIENT.

Delivered By: (Circle One)

CE 10.30 #14

Sample Condition Cool Intact

CHECKED BY: [Signature]

Sampler - UPS - Bus - Other:

3.00 / 3.90

Yes No

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



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

August 29, 2023

ZACH CONDER

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RISER 38

Enclosed are the results of analyses for samples received by the laboratory on 08/23/23 14:45.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/23/2023	Sampling Date:	08/23/2023
Reported:	08/29/2023	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: NH1 @ 0' (H234587-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2023	ND	1.94	97.0	2.00	2.03	
Toluene*	<0.050	0.050	08/26/2023	ND	2.23	112	2.00	1.69	
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	2.28	114	2.00	1.85	
Total Xylenes*	<0.150	0.150	08/26/2023	ND	6.77	113	6.00	2.39	
Total BTEX	<0.300	0.300	08/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/28/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2023	ND	176	88.1	200	0.360	
DRO >C10-C28*	<10.0	10.0	08/25/2023	ND	190	94.8	200	9.38	
EXT DRO >C28-C36	<10.0	10.0	08/25/2023	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/23/2023	Sampling Date:	08/23/2023
Reported:	08/29/2023	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: NH1 @ 1' (H234587-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/26/2023	ND	1.94	97.0	2.00	2.03		
Toluene*	<0.050	0.050	08/26/2023	ND	2.23	112	2.00	1.69		
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	2.28	114	2.00	1.85		
Total Xylenes*	<0.150	0.150	08/26/2023	ND	6.77	113	6.00	2.39		
Total BTEX	<0.300	0.300	08/26/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/28/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/25/2023	ND	176	88.1	200	0.360		
DRO >C10-C28*	<10.0	10.0	08/25/2023	ND	190	94.8	200	9.38		
EXT DRO >C28-C36	<10.0	10.0	08/25/2023	ND						

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/23/2023	Sampling Date:	08/23/2023
Reported:	08/29/2023	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: NH2 @ 0' (H234587-03)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/26/2023	ND	1.94	97.0	2.00	2.03		
Toluene*	<0.050	0.050	08/26/2023	ND	2.23	112	2.00	1.69		
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	2.28	114	2.00	1.85		
Total Xylenes*	<0.150	0.150	08/26/2023	ND	6.77	113	6.00	2.39		
Total BTEX	<0.300	0.300	08/26/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	08/28/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/25/2023	ND	176	88.1	200	0.360		
DRO >C10-C28*	<10.0	10.0	08/25/2023	ND	190	94.8	200	9.38		
EXT DRO >C28-C36	<10.0	10.0	08/25/2023	ND						

Surrogate: 1-Chlorooctane 96.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/23/2023	Sampling Date:	08/23/2023
Reported:	08/29/2023	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: NH2 @ 1' (H234587-04)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/26/2023	ND	1.94	97.0	2.00	2.03		
Toluene*	<0.050	0.050	08/26/2023	ND	2.23	112	2.00	1.69		
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	2.28	114	2.00	1.85		
Total Xylenes*	<0.150	0.150	08/26/2023	ND	6.77	113	6.00	2.39		
Total BTEX	<0.300	0.300	08/26/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/25/2023	ND	176	88.1	200	0.360		
DRO >C10-C28*	<10.0	10.0	08/25/2023	ND	190	94.8	200	9.38		
EXT DRO >C28-C36	<10.0	10.0	08/25/2023	ND						

Surrogate: 1-Chlorooctane 99.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/23/2023	Sampling Date:	08/23/2023
Reported:	08/29/2023	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: NH3 @ 0' (H234587-05)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/26/2023	ND	1.94	97.0	2.00	2.03		
Toluene*	<0.050	0.050	08/26/2023	ND	2.23	112	2.00	1.69		
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	2.28	114	2.00	1.85		
Total Xylenes*	<0.150	0.150	08/26/2023	ND	6.77	113	6.00	2.39		
Total BTEX	<0.300	0.300	08/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/25/2023	ND	176	88.1	200	0.360		
DRO >C10-C28*	<10.0	10.0	08/25/2023	ND	190	94.8	200	9.38		
EXT DRO >C28-C36	<10.0	10.0	08/25/2023	ND						

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/23/2023	Sampling Date:	08/23/2023
Reported:	08/29/2023	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: NH3 @ 1' (H234587-06)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/26/2023	ND	1.94	97.0	2.00	2.03		
Toluene*	<0.050	0.050	08/26/2023	ND	2.23	112	2.00	1.69		
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	2.28	114	2.00	1.85		
Total Xylenes*	<0.150	0.150	08/26/2023	ND	6.77	113	6.00	2.39		
Total BTEX	<0.300	0.300	08/26/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/25/2023	ND	176	88.1	200	0.360		
DRO >C10-C28*	<10.0	10.0	08/25/2023	ND	190	94.8	200	9.38		
EXT DRO >C28-C36	<10.0	10.0	08/25/2023	ND						

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/23/2023	Sampling Date:	08/23/2023
Reported:	08/29/2023	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: NH4 @ 0' (H234587-07)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/26/2023	ND	1.94	97.0	2.00	2.03		
Toluene*	<0.050	0.050	08/26/2023	ND	2.23	112	2.00	1.69		
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	2.28	114	2.00	1.85		
Total Xylenes*	<0.150	0.150	08/26/2023	ND	6.77	113	6.00	2.39		
Total BTEX	<0.300	0.300	08/26/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1090	16.0	08/28/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/25/2023	ND	176	88.1	200	0.360		
DRO >C10-C28*	<10.0	10.0	08/25/2023	ND	190	94.8	200	9.38		
EXT DRO >C28-C36	<10.0	10.0	08/25/2023	ND						

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/23/2023	Sampling Date:	08/23/2023
Reported:	08/29/2023	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: NH4 @ 1' (H234587-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2023	ND	1.94	97.0	2.00	2.03	
Toluene*	<0.050	0.050	08/26/2023	ND	2.23	112	2.00	1.69	
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	2.28	114	2.00	1.85	
Total Xylenes*	<0.150	0.150	08/26/2023	ND	6.77	113	6.00	2.39	
Total BTEX	<0.300	0.300	08/26/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/28/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2023	ND	176	88.1	200	0.360	
DRO >C10-C28*	<10.0	10.0	08/25/2023	ND	190	94.8	200	9.38	
EXT DRO >C28-C36	<10.0	10.0	08/25/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/23/2023	Sampling Date:	08/23/2023
Reported:	08/29/2023	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: NH5 @ 0' (H234587-09)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/26/2023	ND	1.94	97.0	2.00	2.03		
Toluene*	<0.050	0.050	08/26/2023	ND	2.23	112	2.00	1.69		
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	2.28	114	2.00	1.85		
Total Xylenes*	<0.150	0.150	08/26/2023	ND	6.77	113	6.00	2.39		
Total BTEX	<0.300	0.300	08/26/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/28/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/25/2023	ND	176	88.1	200	0.360		
DRO >C10-C28*	<10.0	10.0	08/25/2023	ND	190	94.8	200	9.38		
EXT DRO >C28-C36	<10.0	10.0	08/25/2023	ND						

Surrogate: 1-Chlorooctane 88.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/23/2023	Sampling Date:	08/23/2023
Reported:	08/29/2023	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: NH5 @ 1' (H234587-10)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/26/2023	ND	1.98	99.0	2.00	3.34		
Toluene*	<0.050	0.050	08/26/2023	ND	2.33	117	2.00	2.80		
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	2.40	120	2.00	1.91	QM-07	
Total Xylenes*	<0.150	0.150	08/26/2023	ND	7.15	119	6.00	1.45		
Total BTEX	<0.300	0.300	08/26/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/25/2023	ND	176	88.1	200	0.360		
DRO >C10-C28*	<10.0	10.0	08/25/2023	ND	190	94.8	200	9.38		
EXT DRO >C28-C36	<10.0	10.0	08/25/2023	ND						

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/23/2023	Sampling Date:	08/23/2023
Reported:	08/29/2023	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: SH1 @ 0' (H234587-11)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2023	ND	1.98	99.0	2.00	3.34	
Toluene*	<0.050	0.050	08/26/2023	ND	2.33	117	2.00	2.80	
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	2.40	120	2.00	1.91	
Total Xylenes*	<0.150	0.150	08/26/2023	ND	7.15	119	6.00	1.45	
Total BTEX	<0.300	0.300	08/26/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/28/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2023	ND	176	88.1	200	0.360	
DRO >C10-C28*	<10.0	10.0	08/25/2023	ND	190	94.8	200	9.38	
EXT DRO >C28-C36	<10.0	10.0	08/25/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/23/2023	Sampling Date:	08/23/2023
Reported:	08/29/2023	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: SH1 @ 1' (H234587-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2023	ND	1.98	99.0	2.00	3.34	
Toluene*	<0.050	0.050	08/26/2023	ND	2.33	117	2.00	2.80	
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	2.40	120	2.00	1.91	
Total Xylenes*	<0.150	0.150	08/26/2023	ND	7.15	119	6.00	1.45	
Total BTEX	<0.300	0.300	08/26/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/28/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2023	ND	176	88.1	200	0.360	
DRO >C10-C28*	<10.0	10.0	08/25/2023	ND	190	94.8	200	9.38	
EXT DRO >C28-C36	<10.0	10.0	08/25/2023	ND					

Surrogate: 1-Chlorooctane 99.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/23/2023	Sampling Date:	08/23/2023
Reported:	08/29/2023	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: SH2 @ 0' (H234587-13)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2023	ND	1.98	99.0	2.00	3.34	
Toluene*	<0.050	0.050	08/26/2023	ND	2.33	117	2.00	2.80	
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	2.40	120	2.00	1.91	
Total Xylenes*	<0.150	0.150	08/26/2023	ND	7.15	119	6.00	1.45	
Total BTEX	<0.300	0.300	08/26/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/28/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2023	ND	176	88.1	200	0.360	
DRO >C10-C28*	<10.0	10.0	08/25/2023	ND	190	94.8	200	9.38	
EXT DRO >C28-C36	<10.0	10.0	08/25/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/23/2023	Sampling Date:	08/23/2023
Reported:	08/29/2023	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: SH2 @ 1' (H234587-14)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2023	ND	1.98	99.0	2.00	3.34	
Toluene*	<0.050	0.050	08/26/2023	ND	2.33	117	2.00	2.80	
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	2.40	120	2.00	1.91	
Total Xylenes*	<0.150	0.150	08/26/2023	ND	7.15	119	6.00	1.45	
Total BTEX	<0.300	0.300	08/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/28/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2023	ND	176	88.1	200	0.360	
DRO >C10-C28*	<10.0	10.0	08/25/2023	ND	190	94.8	200	9.38	
EXT DRO >C28-C36	<10.0	10.0	08/25/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/23/2023	Sampling Date:	08/23/2023
Reported:	08/29/2023	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: SH3 @ 0' (H234587-15)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2023	ND	1.98	99.0	2.00	3.34	
Toluene*	<0.050	0.050	08/26/2023	ND	2.33	117	2.00	2.80	
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	2.40	120	2.00	1.91	
Total Xylenes*	<0.150	0.150	08/26/2023	ND	7.15	119	6.00	1.45	
Total BTEX	<0.300	0.300	08/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/28/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2023	ND	176	88.1	200	0.360	
DRO >C10-C28*	<10.0	10.0	08/25/2023	ND	190	94.8	200	9.38	
EXT DRO >C28-C36	<10.0	10.0	08/25/2023	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/23/2023	Sampling Date:	08/23/2023
Reported:	08/29/2023	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: SH3 @ 1' (H234587-16)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2023	ND	1.98	99.0	2.00	3.34	
Toluene*	<0.050	0.050	08/27/2023	ND	2.33	117	2.00	2.80	
Ethylbenzene*	<0.050	0.050	08/27/2023	ND	2.40	120	2.00	1.91	
Total Xylenes*	<0.150	0.150	08/27/2023	ND	7.15	119	6.00	1.45	
Total BTEX	<0.300	0.300	08/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/28/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2023	ND	176	88.1	200	0.360	
DRO >C10-C28*	<10.0	10.0	08/25/2023	ND	190	94.8	200	9.38	
EXT DRO >C28-C36	<10.0	10.0	08/25/2023	ND					

Surrogate: 1-Chlorooctane 96.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/23/2023	Sampling Date:	08/23/2023
Reported:	08/29/2023	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: SH4 @ 0' (H234587-17)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2023	ND	1.98	99.0	2.00	3.34	
Toluene*	<0.050	0.050	08/27/2023	ND	2.33	117	2.00	2.80	
Ethylbenzene*	<0.050	0.050	08/27/2023	ND	2.40	120	2.00	1.91	
Total Xylenes*	<0.150	0.150	08/27/2023	ND	7.15	119	6.00	1.45	
Total BTEX	<0.300	0.300	08/27/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/28/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2023	ND	175	87.5	200	5.68	
DRO >C10-C28*	<10.0	10.0	08/25/2023	ND	176	88.0	200	7.93	
EXT DRO >C28-C36	<10.0	10.0	08/25/2023	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/23/2023	Sampling Date:	08/23/2023
Reported:	08/29/2023	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: SH4 @ 1' (H234587-18)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2023	ND	1.98	99.0	2.00	3.34	
Toluene*	<0.050	0.050	08/27/2023	ND	2.33	117	2.00	2.80	
Ethylbenzene*	<0.050	0.050	08/27/2023	ND	2.40	120	2.00	1.91	
Total Xylenes*	<0.150	0.150	08/27/2023	ND	7.15	119	6.00	1.45	
Total BTEX	<0.300	0.300	08/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/28/2023	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2023	ND	175	87.5	200	5.68	
DRO >C10-C28*	<10.0	10.0	08/26/2023	ND	176	88.0	200	7.93	
EXT DRO >C28-C36	<10.0	10.0	08/26/2023	ND					

Surrogate: 1-Chlorooctane 78.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/23/2023	Sampling Date:	08/23/2023
Reported:	08/29/2023	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: SH5 @ 0' (H234587-19)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2023	ND	1.98	99.0	2.00	3.34	
Toluene*	<0.050	0.050	08/27/2023	ND	2.33	117	2.00	2.80	
Ethylbenzene*	<0.050	0.050	08/27/2023	ND	2.40	120	2.00	1.91	
Total Xylenes*	<0.150	0.150	08/27/2023	ND	7.15	119	6.00	1.45	
Total BTEX	<0.300	0.300	08/27/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/28/2023	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2023	ND	175	87.5	200	5.68	
DRO >C10-C28*	<10.0	10.0	08/26/2023	ND	176	88.0	200	7.93	
EXT DRO >C28-C36	<10.0	10.0	08/26/2023	ND					

Surrogate: 1-Chlorooctane 80.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/23/2023	Sampling Date:	08/23/2023
Reported:	08/29/2023	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: SH5 @ 1' (H234587-20)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2023	ND	1.98	99.0	2.00	3.34	
Toluene*	<0.050	0.050	08/27/2023	ND	2.33	117	2.00	2.80	
Ethylbenzene*	<0.050	0.050	08/27/2023	ND	2.40	120	2.00	1.91	
Total Xylenes*	<0.150	0.150	08/27/2023	ND	7.15	119	6.00	1.45	
Total BTEX	<0.300	0.300	08/27/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/28/2023	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2023	ND	175	87.5	200	5.68	
DRO >C10-C28*	<10.0	10.0	08/26/2023	ND	176	88.0	200	7.93	
EXT DRO >C28-C36	<10.0	10.0	08/26/2023	ND					

Surrogate: 1-Chlorooctane 85.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/23/2023	Sampling Date:	08/23/2023
Reported:	08/29/2023	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: EH1 @ 0' (H234587-21)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2023	ND	1.98	99.0	2.00	3.34	
Toluene*	<0.050	0.050	08/27/2023	ND	2.33	117	2.00	2.80	
Ethylbenzene*	<0.050	0.050	08/27/2023	ND	2.40	120	2.00	1.91	
Total Xylenes*	<0.150	0.150	08/27/2023	ND	7.15	119	6.00	1.45	
Total BTEX	<0.300	0.300	08/27/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/28/2023	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2023	ND	175	87.5	200	5.68	
DRO >C10-C28*	<10.0	10.0	08/26/2023	ND	176	88.0	200	7.93	
EXT DRO >C28-C36	<10.0	10.0	08/26/2023	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/23/2023	Sampling Date:	08/23/2023
Reported:	08/29/2023	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: EH1 @ 1' (H234587-22)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2023	ND	1.98	99.0	2.00	3.34	
Toluene*	<0.050	0.050	08/27/2023	ND	2.33	117	2.00	2.80	
Ethylbenzene*	<0.050	0.050	08/27/2023	ND	2.40	120	2.00	1.91	
Total Xylenes*	<0.150	0.150	08/27/2023	ND	7.15	119	6.00	1.45	
Total BTEX	<0.300	0.300	08/27/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/28/2023	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2023	ND	175	87.5	200	5.68	
DRO >C10-C28*	<10.0	10.0	08/26/2023	ND	176	88.0	200	7.93	
EXT DRO >C28-C36	<10.0	10.0	08/26/2023	ND					

Surrogate: 1-Chlorooctane 78.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.1 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/23/2023	Sampling Date:	08/23/2023
Reported:	08/29/2023	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: WH1 @ 0' (H234587-23)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2023	ND	1.98	99.0	2.00	3.34	
Toluene*	<0.050	0.050	08/27/2023	ND	2.33	117	2.00	2.80	
Ethylbenzene*	<0.050	0.050	08/27/2023	ND	2.40	120	2.00	1.91	
Total Xylenes*	<0.150	0.150	08/27/2023	ND	7.15	119	6.00	1.45	
Total BTEX	<0.300	0.300	08/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/28/2023	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2023	ND	175	87.5	200	5.68	
DRO >C10-C28*	<10.0	10.0	08/26/2023	ND	176	88.0	200	7.93	
EXT DRO >C28-C36	<10.0	10.0	08/26/2023	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/23/2023	Sampling Date:	08/23/2023
Reported:	08/29/2023	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: WH1 @ 1' (H234587-24)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2023	ND	1.98	99.0	2.00	3.34	
Toluene*	<0.050	0.050	08/27/2023	ND	2.33	117	2.00	2.80	
Ethylbenzene*	<0.050	0.050	08/27/2023	ND	2.40	120	2.00	1.91	
Total Xylenes*	<0.150	0.150	08/27/2023	ND	7.15	119	6.00	1.45	
Total BTEX	<0.300	0.300	08/27/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/28/2023	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2023	ND	175	87.5	200	5.68	
DRO >C10-C28*	<10.0	10.0	08/26/2023	ND	176	88.0	200	7.93	
EXT DRO >C28-C36	<10.0	10.0	08/26/2023	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/23/2023	Sampling Date:	08/23/2023
Reported:	08/29/2023	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: V1 @ 0' (H234587-25)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2023	ND	1.98	99.0	2.00	3.34	
Toluene*	<0.050	0.050	08/27/2023	ND	2.33	117	2.00	2.80	
Ethylbenzene*	<0.050	0.050	08/27/2023	ND	2.40	120	2.00	1.91	
Total Xylenes*	<0.150	0.150	08/27/2023	ND	7.15	119	6.00	1.45	
Total BTEX	<0.300	0.300	08/27/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12800	16.0	08/28/2023	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2023	ND	175	87.5	200	5.68	
DRO >C10-C28*	<10.0	10.0	08/26/2023	ND	176	88.0	200	7.93	
EXT DRO >C28-C36	<10.0	10.0	08/26/2023	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/23/2023	Sampling Date:	08/23/2023
Reported:	08/29/2023	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: V1 @ 5' (H234587-26)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2023	ND	1.98	99.0	2.00	3.34	
Toluene*	<0.050	0.050	08/27/2023	ND	2.33	117	2.00	2.80	
Ethylbenzene*	<0.050	0.050	08/27/2023	ND	2.40	120	2.00	1.91	
Total Xylenes*	<0.150	0.150	08/27/2023	ND	7.15	119	6.00	1.45	
Total BTEX	<0.300	0.300	08/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14400	16.0	08/28/2023	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2023	ND	175	87.5	200	5.68	
DRO >C10-C28*	<10.0	10.0	08/26/2023	ND	176	88.0	200	7.93	
EXT DRO >C28-C36	<10.0	10.0	08/26/2023	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/23/2023	Sampling Date:	08/23/2023
Reported:	08/29/2023	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: V2 @ 0' (H234587-27)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2023	ND	1.98	99.0	2.00	3.34	
Toluene*	0.105	0.050	08/27/2023	ND	2.33	117	2.00	2.80	GC-NC1
Ethylbenzene*	0.215	0.050	08/27/2023	ND	2.40	120	2.00	1.91	
Total Xylenes*	0.481	0.150	08/27/2023	ND	7.15	119	6.00	1.45	GC-NC1
Total BTEX	0.801	0.300	08/27/2023	ND					GC-NC1

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14400	16.0	08/28/2023	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	21.2	10.0	08/26/2023	ND	175	87.5	200	5.68	
DRO >C10-C28*	316	10.0	08/26/2023	ND	176	88.0	200	7.93	
EXT DRO >C28-C36	49.4	10.0	08/26/2023	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/23/2023	Sampling Date:	08/23/2023
Reported:	08/29/2023	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: V2 @ 5' (H234587-28)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2023	ND	1.98	99.0	2.00	3.34	
Toluene*	0.290	0.050	08/27/2023	ND	2.33	117	2.00	2.80	GC-NC1
Ethylbenzene*	1.23	0.050	08/27/2023	ND	2.40	120	2.00	1.91	
Total Xylenes*	3.02	0.150	08/27/2023	ND	7.15	119	6.00	1.45	GC-NC1
Total BTEX	4.53	0.300	08/27/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 150 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15800	16.0	08/28/2023	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	21.3	10.0	08/26/2023	ND	175	87.5	200	5.68	
DRO >C10-C28*	117	10.0	08/26/2023	ND	176	88.0	200	7.93	
EXT DRO >C28-C36	13.1	10.0	08/26/2023	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/23/2023	Sampling Date:	08/23/2023
Reported:	08/29/2023	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: V3 @ 0' (H234587-29)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2023	ND	1.98	99.0	2.00	3.34	
Toluene*	<0.050	0.050	08/27/2023	ND	2.33	117	2.00	2.80	
Ethylbenzene*	<0.050	0.050	08/27/2023	ND	2.40	120	2.00	1.91	
Total Xylenes*	<0.150	0.150	08/27/2023	ND	7.15	119	6.00	1.45	
Total BTEX	<0.300	0.300	08/27/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	23600	16.0	08/28/2023	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2023	ND	175	87.5	200	5.68	
DRO >C10-C28*	<10.0	10.0	08/26/2023	ND	176	88.0	200	7.93	
EXT DRO >C28-C36	<10.0	10.0	08/26/2023	ND					

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/23/2023	Sampling Date:	08/23/2023
Reported:	08/29/2023	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: V3 @ 5' (H234587-30)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2023	ND	1.98	98.8	2.00	2.36	
Toluene*	<0.050	0.050	08/27/2023	ND	2.23	111	2.00	3.00	
Ethylbenzene*	<0.050	0.050	08/27/2023	ND	2.25	112	2.00	4.98	
Total Xylenes*	<0.150	0.150	08/27/2023	ND	6.70	112	6.00	4.16	
Total BTEX	<0.300	0.300	08/27/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	18000	16.0	08/28/2023	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2023	ND	175	87.5	200	5.68	
DRO >C10-C28*	<10.0	10.0	08/26/2023	ND	176	88.0	200	7.93	
EXT DRO >C28-C36	<10.0	10.0	08/26/2023	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/23/2023	Sampling Date:	08/23/2023
Reported:	08/29/2023	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: V4 @ 0' (H234587-31)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2023	ND	1.98	98.8	2.00	2.36	
Toluene*	<0.050	0.050	08/27/2023	ND	2.23	111	2.00	3.00	
Ethylbenzene*	<0.050	0.050	08/27/2023	ND	2.25	112	2.00	4.98	
Total Xylenes*	<0.150	0.150	08/27/2023	ND	6.70	112	6.00	4.16	
Total BTEX	<0.300	0.300	08/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11400	16.0	08/28/2023	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2023	ND	175	87.5	200	5.68	
DRO >C10-C28*	18.2	10.0	08/26/2023	ND	176	88.0	200	7.93	
EXT DRO >C28-C36	<10.0	10.0	08/26/2023	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/23/2023	Sampling Date:	08/23/2023
Reported:	08/29/2023	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: V4 @ 5' (H234587-32)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2023	ND	1.98	98.8	2.00	2.36	
Toluene*	<0.050	0.050	08/27/2023	ND	2.23	111	2.00	3.00	
Ethylbenzene*	<0.050	0.050	08/27/2023	ND	2.25	112	2.00	4.98	
Total Xylenes*	<0.150	0.150	08/27/2023	ND	6.70	112	6.00	4.16	
Total BTEX	<0.300	0.300	08/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10600	16.0	08/28/2023	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2023	ND	175	87.5	200	5.68	
DRO >C10-C28*	<10.0	10.0	08/26/2023	ND	176	88.0	200	7.93	
EXT DRO >C28-C36	<10.0	10.0	08/26/2023	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/23/2023	Sampling Date:	08/23/2023
Reported:	08/29/2023	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: V5 @ 0' (H234587-33)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2023	ND	1.98	98.8	2.00	2.36	
Toluene*	<0.050	0.050	08/27/2023	ND	2.23	111	2.00	3.00	
Ethylbenzene*	<0.050	0.050	08/27/2023	ND	2.25	112	2.00	4.98	
Total Xylenes*	<0.150	0.150	08/27/2023	ND	6.70	112	6.00	4.16	
Total BTEX	<0.300	0.300	08/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	08/28/2023	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2023	ND	175	87.5	200	5.68	
DRO >C10-C28*	672	10.0	08/26/2023	ND	176	88.0	200	7.93	
EXT DRO >C28-C36	175	10.0	08/26/2023	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/23/2023	Sampling Date:	08/23/2023
Reported:	08/29/2023	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: V5 @ 5' (H234587-34)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2023	ND	1.98	98.8	2.00	2.36	
Toluene*	<0.050	0.050	08/27/2023	ND	2.23	111	2.00	3.00	
Ethylbenzene*	<0.050	0.050	08/27/2023	ND	2.25	112	2.00	4.98	
Total Xylenes*	<0.150	0.150	08/27/2023	ND	6.70	112	6.00	4.16	
Total BTEX	<0.300	0.300	08/27/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13600	16.0	08/28/2023	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2023	ND	175	87.5	200	5.68	
DRO >C10-C28*	<10.0	10.0	08/26/2023	ND	176	88.0	200	7.93	
EXT DRO >C28-C36	<10.0	10.0	08/26/2023	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.
 Project Manager: Zach Conder
 Address: 2617 W Marland
 City: Hobbs State: NM Zip: 88240
 Phone #: (575) 264-9884 Fax #: _____
 Project #: 18608 Project Owner: Spur Energy Partners
 Project Name: Riser 38
 Project Location: Rural Eddy County, NM
 Sampler Name: Matthew Grieco and Martin Sepulveda
 P.O. #: _____ Company: Spur Energy Partners
 Attn: Kathy Purvis
 Address: _____
 State: NM Zip: _____
 Phone #: _____
 Fax #: _____

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:					
1034587	NH1 @ 0'	G	1	X						8/23/23		X	X	
	NH1 @ 1'	G	1	X						8/23/23		X	X	
	NH2 @ 0'	G	1	X						8/23/23		X	X	
	NH2 @ 1'	G	1	X						8/23/23		X	X	
	NH3 @ 0'	G	1	X						8/23/23		X	X	
	NH3 @ 1'	G	1	X						8/23/23		X	X	
	NH4 @ 0'	G	1	X						8/23/23		X	X	
	NH4 @ 1'	G	1	X						8/23/23		X	X	
	NH5 @ 0'	G	1	X						8/23/23		X	X	
	NH5 @ 1'	G	1	X						8/23/23		X	X	

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Relinquished By: *[Signature]* Date: 8/23/23
 Received By: *[Signature]* Date: 8/23/23
 Time: 1:45
 Delivered By: (Circle One) UPS 1.8: #140
 Sampler - UPS - Bus - Other: _____
 Sample Condition: Cool Intact Yes No
 CHECKED BY: *[Signature]* (Initials)
 Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____
 REMARKS: _____

FORM-006
 Revision 1.0
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.
 Project Manager: Zach Conder
 Address: 2617 W Marland
 City: Hobbs State: NM Zip: 88240
 Phone #: (575) 264-9884 Fax #:
 Project #: 18608 Project Owner: Spur Energy Partners
 Project Name: Riser 38
 Project Location: Rural Eddy County, NM
 Sampler Name: Matthew Grieco and Martin Sepulveda

P.O. #:
 Company: Spur Energy Partners
 Attn: Kathy Purvis
 Address:
 State: NM Zip:
 Phone #:
 Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX					PRESERV	SAMPLING	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE							
1234587															
12	SH1 @ 0'	G	1	X						8/23/23		X	X	X	
13	SH1 @ 1'	G	1	X						8/23/23		X	X	X	
14	SH2 @ 0'	G	1	X						8/23/23		X	X	X	
15	SH2 @ 1'	G	1	X						8/23/23		X	X	X	
16	SH3 @ 0'	G	1	X						8/23/23		X	X	X	
17	SH3 @ 1'	G	1	X						8/23/23		X	X	X	
18	SH4 @ 0'	G	1	X						8/23/23		X	X	X	
19	SH4 @ 1'	G	1	X						8/23/23		X	X	X	
20	SH5 @ 0'	G	1	X						8/23/23		X	X	X	
21	SH5 @ 1'	G	1	X						8/23/23		X	X	X	

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Relinquished By: *[Signature]* Date: 8/23/23 Time: 1445
 Received By: *[Signature]* Date: 8/23/23 Time: 1445

Delivered By: (Circle One) UPS - Bus - Other: 18: #140
 Sample Condition: Cool Intact Yes No Checked By: *[Signature]*

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 Revision 1.0
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 (575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.
 Project Manager: Zach Conder
 Address: 2617 W Marland
 City: Hobbs State: NM Zip: 88240
 Phone #: (575) 264-9884 Fax #: _____
 Project #: 18608 Project Owner: Spur Energy Partners
 Project Name: Riser 38
 Project Location: Rural Eddy County, NM
 Sampler Name: Matthew Grieco and Martin Sepulveda
 P.O. #: _____ Company: Spur Energy Partners
 Attn: Kathy Purvis
 Address: _____
 State: NM Zip: _____
 Phone #: _____
 Fax #: _____

Lab I.D.	Sample I.D.	(G/RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
1034587	EH1 @ 0'	G 1	1	X						8/23/23		X	X	
	EH1 @ 1'	G 1	1	X						8/23/23		X	X	
	WH1 @ 0'	G 1	1	X						8/23/23		X	X	
	WH1 @ 1'	G 1	1	X						8/23/23		X	X	
	V1 @ 0'	G 1	1	X						8/23/23		X	X	
	V1 @ 5'	G 1	1	X						8/23/23		X	X	
	V2 @ 0'	G 1	1	X						8/23/23		X	X	
	V2 @ 5'	G 1	1	X						8/23/23		X	X	
	V3 @ 0'	G 1	1	X						8/23/23		X	X	
	V3 @ 5'	G 1	1	X						8/23/23		X	X	

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Relinquished By: *[Signature]* Date: 8/23/23
 Received By: *[Signature]* Date: 8/23/23
 Time: _____

Delivered By: (Circle One) UPS
 Sampler - UPS - Bus - Other: 18:
 Sample Condition: Cool Intact
 Checked By: *[Signature]*

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.
 Project Manager: Zach Conder
 Address: 2617 W Marland
 City: Hobbs State: NM Zip: 88240
 Phone #: (575) 264-9884 Fax #:
 Project #: 18608 Project Owner: Spur Energy Partners
 Project Name: Riser 38
 Project Location: Rural Eddy County, NM
 Sampler Name: Matthew Grieco and Martin Sepulveda

P.O. #:
 Company: Spur Energy Partners
 Attn: Kathy Purvis
 Address:
 State: NM Zip:
 Phone #:
 Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
1034587	V4 @ 0'	G	1	X						8/23/23		X	X	
	V4 @ 5'	G	1	X						8/23/23		X	X	
	V5 @ 0'	G	1	X						8/23/23		X	X	
	V5 @ 5'	G	1	X						8/23/23		X	X	

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Relinquished By: *[Signature]* Date: 8/23/23
 Received By: *[Signature]* Date: 8/23/23
 Delivered By: (Circle One) 1.8:
 Sampler - UPS - Bus - Other: #140

Sample Condition: Intact Cool Yes No
 CHECKED BY: *[Signature]*

REMARKS:
 Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 Please email results and copy of CoC to pm@etechnv.com.



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

March 18, 2024

ROBBIE RUNNELS

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RISER 38

Enclosed are the results of analyses for samples received by the laboratory on 03/13/24 14:48.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/13/2024	Sampling Date:	03/12/2024
Reported:	03/18/2024	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: SP 1 @ 14' (H241294-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3880	16.0	03/14/2024	ND	432	108	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2024	ND	210	105	200	2.71	
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	209	104	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					
Surrogate: 1-Chlorooctane	98.0 %	48.2-134							
Surrogate: 1-Chlorooctadecane	97.3 %	49.1-148							

Sample ID: SP 2 @ 14' (H241294-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	03/14/2024	ND	432	108	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2024	ND	210	105	200	2.71	
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	209	104	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					
Surrogate: 1-Chlorooctane	91.8 %	48.2-134							
Surrogate: 1-Chlorooctadecane	89.8 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/13/2024	Sampling Date:	03/12/2024
Reported:	03/18/2024	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: SP 3 @ 14' (H241294-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	03/14/2024	ND	432	108	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2024	ND	210	105	200	2.71	
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	209	104	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					
Surrogate: 1-Chlorooctane	94.5 %	48.2-134							
Surrogate: 1-Chlorooctadecane	92.0 %	49.1-148							

Sample ID: SP 4 @ 6' (H241294-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	03/14/2024	ND	432	108	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2024	ND	210	105	200	2.71	
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	209	104	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					
Surrogate: 1-Chlorooctane	89.2 %	48.2-134							
Surrogate: 1-Chlorooctadecane	87.3 %	49.1-148							

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/13/2024	Sampling Date:	03/12/2024
Reported:	03/18/2024	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: SP 5 @ 6' (H241294-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/14/2024	ND	432	108	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2024	ND	210	105	200	2.71	
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	209	104	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					
Surrogate: 1-Chlorooctane	100 %	48.2-134							
Surrogate: 1-Chlorooctadecane	96.0 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etch Environmental & Safety Solutions, Inc. **BILL TO**

Project Manager: Robbie Runnels P.O. #: Company: Spur Energy Partners

Address: 2617 W Marland City: Hobbs State: NM Zip: 88240 Attn: Kathy Purvis

Phone #: (575) 264-9884 Fax #: Project Owner: Spur Energy Partners Address:

Project #: 18608 Project Name: Riser 38 City: State: NM Zip:

Project Location: Rural Eddy County, NM Phone #: Project Name: Robbie Runnels Fax #:

FOR LAB USE ONLY MATRIX PRESERV. SAMPLING

Lab I.D. Sample I.D. (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE TIME

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
H241294	1	G	1	X									3/12/24		X		
	2	G	1	X									3/12/24		X		
	3	G	1	X									3/12/24		X		
	4	G	1	X									3/12/24		X		
	5	G	1	X									3/12/24		X		

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Relinquished By: [Signature] Date: 3-13-24 Time: 1:48 Received By: S. Kodjiganyan Date: [Blank] Time: [Blank]

Delivered By: (Circle One) Sample Condition: Cool Intact Checked By: [Signature] (Initials) [Signature]

FORM-006 Revision 1.0 t Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

May 17, 2024

JOSEPH GUESNIER
TERRACON CONSULTANTS
5827 50TH ST. SUITE 1
LUBBOCK, TX 79424

RE: RISER 38

Enclosed are the results of analyses for samples received by the laboratory on 05/13/24 14:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder". The signature is fluid and cursive.

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



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

Analytical Results For:

TERRACON CONSULTANTS
 JOSEPH GUESNIER
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	05/13/2024	Sampling Date:	05/13/2024
Reported:	05/17/2024	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	KH247023	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY CO		

Sample ID: SP 1 - 18' (H242593-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/14/2024	ND	1.90	95.0	2.00	10.5	
Toluene*	<0.050	0.050	05/14/2024	ND	1.89	94.4	2.00	8.94	
Ethylbenzene*	<0.050	0.050	05/14/2024	ND	1.87	93.5	2.00	8.57	
Total Xylenes*	<0.150	0.150	05/14/2024	ND	5.47	91.2	6.00	8.62	
Total BTEX	<0.300	0.300	05/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 81.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4640	16.0	05/15/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/14/2024	ND	200	100	200	8.67	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	200	100	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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



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Analytical Results For:

TERRACON CONSULTANTS
 JOSEPH GUESNIER
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	05/13/2024	Sampling Date:	05/13/2024
Reported:	05/17/2024	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	KH247023	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY CO		

Sample ID: SP 1 - 22' (H242593-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.95	97.6	2.00	1.20	
Toluene*	<0.050	0.050	05/15/2024	ND	2.06	103	2.00	1.34	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.08	104	2.00	1.50	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.42	107	6.00	1.17	
Total BTEX	<0.300	0.300	05/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/16/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2024	ND	180	90.1	200	0.0200	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	172	86.1	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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



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Analytical Results For:

TERRACON CONSULTANTS
 JOSEPH GUESNIER
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	05/13/2024	Sampling Date:	05/13/2024
Reported:	05/17/2024	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	KH247023	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY CO		

Sample ID: SP 2 - 18' (H242593-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/14/2024	ND	1.90	95.0	2.00	10.5	
Toluene*	<0.050	0.050	05/14/2024	ND	1.89	94.4	2.00	8.94	
Ethylbenzene*	<0.050	0.050	05/14/2024	ND	1.87	93.5	2.00	8.57	
Total Xylenes*	<0.150	0.150	05/14/2024	ND	5.47	91.2	6.00	8.62	
Total BTEX	<0.300	0.300	05/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 81.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	05/15/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/14/2024	ND	200	100	200	8.67	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	200	100	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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



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Analytical Results For:

TERRACON CONSULTANTS
 JOSEPH GUESNIER
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	05/13/2024	Sampling Date:	05/13/2024
Reported:	05/17/2024	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	KH247023	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY CO		

Sample ID: SP 2 - 22' (H242593-10)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.95	97.6	2.00	1.20	
Toluene*	<0.050	0.050	05/15/2024	ND	2.06	103	2.00	1.34	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.08	104	2.00	1.50	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.42	107	6.00	1.17	
Total BTEX	<0.300	0.300	05/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/16/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2024	ND	180	90.1	200	0.0200	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	172	86.1	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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



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Analytical Results For:

TERRACON CONSULTANTS
 JOSEPH GUESNIER
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	05/13/2024	Sampling Date:	05/13/2024
Reported:	05/17/2024	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	KH247023	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY CO		

Sample ID: SP 3 - 18' (H242593-14)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/14/2024	ND	1.90	95.0	2.00	10.5	
Toluene*	<0.050	0.050	05/14/2024	ND	1.89	94.4	2.00	8.94	
Ethylbenzene*	<0.050	0.050	05/14/2024	ND	1.87	93.5	2.00	8.57	
Total Xylenes*	<0.150	0.150	05/14/2024	ND	5.47	91.2	6.00	8.62	
Total BTEX	<0.300	0.300	05/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 81.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/15/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/14/2024	ND	200	100	200	8.67	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	200	100	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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



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Notes and Definitions

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

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

page 1 of 2

ANALYSIS REQUEST

BILL TO

Company Name: **Terracon**
 Project Manager: **Joseph Guenier / Travis Casey**
 Address: **Carlsbad** State: **NM** zip: **38**
 Phone #: **KH247023** Fax #: **River 38**
 Project #: **Project Owner:**
 Project Name: **Project Location:**
 Sampler Name: **Aaron Adams / Becky Sue Miller**
 FOR LAB USE ONLY

P.O. #: **Company: Spur Energy**
 Attn: **Kathy Purvis**
 Address: **Artesia**
 City: **NM** State: **NM** zip: **575-444-8619**
 Phone #: **Fax #:**

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	X	X	X	X	X	X
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE:								
H243593	1	SP1 - 16'	6	X	X	X	X	X	X	5-15-24	10:56	X	X	X	X	X	X	X
	2	SP1 - 18'	6	X	X	X	X	X	X		10:57	X	X	X	X	X	X	X
	3	SP1 - 20'	6	X	X	X	X	X	X		10:58	X	X	X	X	X	X	X
	4	SP1 - 22'	6	X	X	X	X	X	X		10:59	X	X	X	X	X	X	X
	5	SP1 - 24'	6	X	X	X	X	X	X		11:00	X	X	X	X	X	X	X
	6	SP1 - 26'	6	X	X	X	X	X	X		11:01	X	X	X	X	X	X	X
	7	SP2 - 16'	6	X	X	X	X	X	X		11:18	X	X	X	X	X	X	X
	8	SP2 - 18'	6	X	X	X	X	X	X		11:19	X	X	X	X	X	X	X
	9	SP2 - 20'	6	X	X	X	X	X	X		11:20	X	X	X	X	X	X	X
	10	SP2 - 22'	6	X	X	X	X	X	X		11:20	X	X	X	X	X	X	X

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Relinquished By: **[Signature]** Date: **3-13-24** Time: **14:15**
 Received By: **[Signature]** Date: **3-13-24** Time: **14:15**
 Retained By: **[Signature]** Date: **3-13-24** Time: **14:15**

Delivered By: (Circle One) **Observed Temp. °C** **30** **Corrected Temp. °C** **30**
 Sampler - UPS - Bus - Other: **Sample Condition** **Checked By: [Signature]**
 Cool Intact Yes No
 Bacteria (only) Yes No
 Sample Intact Yes No
 Corrected Temp. °C **30**

Turnaround Time: **River 38 release, release date 8-12-23**
 Thermometer ID #140 **Major - Minor 7010-7410**
 Correction Factor 0°C **Standard** **Standard** **Standard**
 Bacteria (only) Yes No
 Sample Intact Yes No
 Observed Temp. °C **30** **30** **30**
 Corrected Temp. °C **30** **30** **30**

Remarks: **River 38 release, release date 8-12-23**
Major - Minor 7010-7410
Standard **Standard** **Standard**
Standard **Standard** **Standard**
Standard **Standard** **Standard**

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



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

May 24, 2024

ROBBIE RUNNELS

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RISER 38

Enclosed are the results of analyses for samples received by the laboratory on 05/23/24 14:48.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	05/23/2024	Sampling Date:	05/23/2024
Reported:	05/24/2024	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Alyssa Parras
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: NH4 @ 0' (H242885-01)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/23/2024	ND	1.89	94.7	2.00	4.14		
Toluene*	<0.050	0.050	05/23/2024	ND	1.91	95.3	2.00	3.08		
Ethylbenzene*	<0.050	0.050	05/23/2024	ND	1.96	98.2	2.00	2.12		
Total Xylenes*	<0.150	0.150	05/23/2024	ND	5.69	94.8	6.00	1.96		
Total BTEX	<0.300	0.300	05/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/24/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/23/2024	ND	186	93.1	200	2.21		
DRO >C10-C28*	<10.0	10.0	05/23/2024	ND	181	90.5	200	2.76		
EXT DRO >C28-C36	<10.0	10.0	05/23/2024	ND						

Surrogate: 1-Chlorooctane 77.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	05/23/2024	Sampling Date:	05/23/2024
Reported:	05/24/2024	Sampling Type:	Soil
Project Name:	RISER 38	Sampling Condition:	Cool & Intact
Project Number:	18608	Sample Received By:	Alyssa Parras
Project Location:	SPUR - RURAL EDDY COUNTY, NM		

Sample ID: NH4 @ 1' (H242885-02)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/23/2024	ND	1.89	94.7	2.00	4.14		
Toluene*	<0.050	0.050	05/23/2024	ND	1.91	95.3	2.00	3.08		
Ethylbenzene*	<0.050	0.050	05/23/2024	ND	1.96	98.2	2.00	2.12		
Total Xylenes*	<0.150	0.150	05/23/2024	ND	5.69	94.8	6.00	1.96		
Total BTEX	<0.300	0.300	05/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/24/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/23/2024	ND	186	93.1	200	2.21		
DRO >C10-C28*	<10.0	10.0	05/23/2024	ND	181	90.5	200	2.76		
EXT DRO >C28-C36	<10.0	10.0	05/23/2024	ND						

Surrogate: 1-Chlorooctane 82.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.
 Project Manager: Robbie Runnels
 Address: 2617 W Marland
 City: Hobbs State: NM Zip: 88240
 Phone #: (575) 264-9884 Fax #: _____
 Project #: 18608 Project Owner: Spur Energy Partners
 Project Name: Riser 38
 Project Location: Rural Eddy County, NM
 Sampler Name: Robbie Runnels
 P.O. #: _____
 Company: Spur Energy Partners
 Attn: Kathy Purvis
 Address: _____
 City: _____
 State: NM Zip: _____
 Phone #: _____
 Fax #: _____

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
172885	NH 4 @ 0'	G	1			X				5/23/24		X	X	
	NH 4 @ 1'	G	1			X				5/23/24		X	X	

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Relinquished By: _____ Date: 5/28/24
 Received By: _____ Date: 11/18
 Time: _____
 Delivered By: (Circle One) UPS - Bus - Other: # 140
 Sample Condition: Cool Intact
 Yes No

Checked By: _____ (Initials)
 Phone Result: Yes No
 Add'l Phone #: _____
 Fax Result: Yes No
 Add'l Fax #: _____
RUSH SAMPLES - 24 HOUR
 Please email results and copy of CoC to pm@etechnv.com.

FORM-006
 Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

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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 482959

QUESTIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 482959
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2322647988
Incident Name	NAPP2322647988 RISER 38 RELEASE @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	RISER 38 RELEASE
Date Release Discovered	08/12/2023
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
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	
<i>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.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Pipeline (Any) Produced Water Released: 24 BBL Recovered: 5 BBL Lost: 19 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)	A PIN HOLE DEVELOPED IN THE RISER LEG RELEASING PRODUCED WATER INTO THE PASTURE

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QUESTIONS, Page 2

Action 482959

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 482959
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>

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	N/A

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

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

I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 10/21/2024
--	---

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State of New Mexico
Energy, Minerals and Natural Resources
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QUESTIONS, Page 3

Action 482959

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 482959
	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 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 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 500 and 1000 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between 1/2 and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

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

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

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

Chloride (EPA 300.0 or SM4500 Cl B)	23600
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	847
GRO+DRO (EPA SW-846 Method 8015M)	672
BTEX (EPA SW-846 Method 8021B or 8260B)	4.5
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	12/01/2024
On what date will (or did) the final sampling or liner inspection occur	01/24/2025
On what date will (or was) the remediation complete(d)	02/28/2025
What is the estimated surface area (in square feet) that will be reclaimed	13700
What is the estimated volume (in cubic yards) that will be reclaimed	4526
What is the estimated surface area (in square feet) that will be remediated	13700
What is the estimated volume (in cubic yards) that will be remediated	4526

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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Energy, Minerals and Natural Resources
Oil Conservation Division
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QUESTIONS, Page 4

Action 482959

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 482959
	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	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

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

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

I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 07/09/2025
--	---

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 482959

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 482959
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 482959

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 482959
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	473461
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/16/2025
What was the (estimated) number of samples that were to be gathered	4
What was the sampling surface area in square feet	650

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
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	13700
What was the total volume (cubic yards) remediated	4526
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	13700
What was the total volume (in cubic yards) reclaimed	4526
Summarize any additional remediation activities not included by answers (above)	CONTAMINATED SOIL WAS REMOVED TO MEET THE MOST STRINGENT NMOCD STANDARDS

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

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

I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 07/09/2025
--	---

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 7

Action 482959

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 482959
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 482959

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 482959
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2322647988 RISER 38 RELEASE, thank you. This Remediation Closure Report is approved.	8/14/2025