

Incident ID	NAPP2300332370
District RP	
Facility ID	
Application ID	

Closure

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

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

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

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

Printed Name: Kathy Purvis.

Title: HSE Coordinator

Signature: Katherine Purvis

Date: 6/21/23

email: katherine.purvis@spurenergy.com

Telephone: 575-441-8619

OCD Only

Received by: Shelby Wells

Date: 6/22/2023

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

Closure Approved by: Robert Hamlet

Date: 11/22/2023

Printed Name: Robert Hamlet

Title: Environmental Specialist - Advanced



June 16, 2023

NMOCD District 2
 Mike Bratcher
 Artesia, NM 88210

Bureau of Land Management
 Crisha Morgan
 Carlsbad Field Office

**Re: Site Assessment, Remediation, and Closure Report
 Fat Tire Federal Tank Battery
 API No. N/A
 GPS: Latitude 32.85360 Longitude -104.02030 UL
 "A", Sec. 12, T17S, R29E
 Eddy County, NM
 NMOCD Ref. No. NAPP2300332370**

Paragon Environmental, LLC (Paragon) has been contracted by Spur Energy Partners (Spur) to perform a spill assessment and write the closure report for the release site known as the Fat Tire Federal Tank Battery (Fat Tire). Contractor BB&I performed the remediation since they were the responsible party that caused the release. Details of the release are summarized below:

Release Details			
Type of Release:	Crude Oil	Volume of Release:	8 bbls
		Volume Recovered:	3 bbls
Source of Release:	Tanker Truck	Date of Release:	01/02/23
Was Immediate Notice Given?	Yes	If, Yes, to Whom?	N/A
Was a Watercourse Reached?	No	If Yes, Volume Impacting Watercourse:	N/A
Surface Owner:	Federal	Mineral Owner:	State
The Driver of the tanker trailer fell asleep, and his truck ran over onto the pad.			

Topographical and Aerial Maps are provided in Figures #2 and #4. A copy of the Initial Release Notification and Corrective Action (NMOCD Form C-141) can be found in Appendix C.

REGULATORY FRAMEWORK

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:

Site Characteristics	
Approximate Depth to Groundwater	<50'
Within 330 ft. of any continuously flowing or significant watercourse?	NO
Within 200 ft. of any lakebed, sinkhole, or playa lake?	NO
Within 300 ft. of an occupied permanent residence, school, hospital, or institution?	NO
Within 500 ft. of a spring, or private, domestic fresh water well?	NO
Within 1000 ft. of any fresh water well?	NO
Within the incorporated municipal boundaries or within a municipal well field?	NO
Within 300 ft. of a wetland?	NO
Within the area overlying a subsurface mine?	NO
Within an unstable area such as Karst?	NO
Within a 100-year floodplain?	NO

A search of the groundwater database maintained by the New Mexico Office of the State Engineer (NMOSE) was conducted to determine the average groundwater depth within one (1) Mile radius of the Release Site and identify any registered water wells within ½ Mile of the Release Site. The data initially found on the State Engineers website showed no water data within a ½ mile radius. With this being the case, we cleaned it to the most stringent criteria.

TABLE I CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE			
	Constituent	Method	Limit
<50 Feet	Chloride	EPA 300.0	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

Depth to groundwater information is provided in Appendix A.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the Quaternary Formation- and is made up of Eolian and Piedmont deposits (Holocene to middle Pleistocene)— Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits (QEP). According to the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of Kermit-Berino Fine Sandy Loam, with 0 to 3 percent slopes. The drainage courses in this area are well-drained. There is NOT a high potential for karst geology to be present around the Fat Tire (Figure #3).

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

INITIAL SITE ASSESSMENT & SOIL SAMPLING EVENT

On January 3, 2023, Paragon conducted an initial site assessment. These samples were collected in accordance with NMAC 19.15.29 and submitted to an approved laboratory for analysis. A data table summarizing the laboratory analytical results from the sampling event is provided below:

1-3-23 Laboratory Results

NMDCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Sample Date	Depth (BGS)	Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg				Closure Criteria 100 mg/kg	Closure Criteria 600 mg/kg
Sample ID	Depth (BGS)	BTEX	Benzene	GRQ	DRQ	MRO	Total TPH	CHLORIDES
S-1	0-6"	54.7	1.09	523	1270	161	1974	32
	1'	1.49	ND	56	287	41	343	16
	2'	0.772	ND	12.6	44.4	ND	57	16
	3'	ND	ND	ND	21.7	ND	21.7	32
	4'	ND	ND	ND	ND	ND	ND	16
S-2	0-6"	5.79	ND	38.8	222	31.1	291.9	32
	1'	ND	ND	ND	ND	ND	ND	32
	2'	ND	ND	ND	ND	ND	ND	16
	3'	ND	ND	ND	ND	ND	ND	16
	4'	1.13	0.27	ND	13.1	ND	13.1	32
S-3	0-6"	624	45.4	1320	2330	354	4004	16
	1'	83.6	3.58	588	1190	167	1945	16
	2'	ND	0.055	ND	ND	ND	ND	48
	3'	1.15	ND	33.9	199	25.8	258.7	48
	4'	51.1	2.13	514	1030	116	1660	64
S-4	0-6"	41.2	0.409	361	957	157	1475	16
	1'	0.593	ND	19.5	105	ND	124.5	32
	2'	ND	ND	ND	ND	ND	ND	16
	3'	ND	ND	ND	16	ND	16	16
	4'	ND	ND	ND	30.2	ND	30.2	32
S-5	0-6"	25.6	ND	234	720	75.8	1029.8	32
	1'	ND	ND	ND	45.8	ND	45.8	16
	2'	ND	ND	ND	ND	ND	ND	16
	3'	ND	ND	ND	19.4	ND	19.4	48
	4'	ND	ND	ND	ND	ND	ND	32
S-6	0-6"	1.07	ND	22	241	21.8	284.8	128
	1'	ND	ND	ND	ND	ND	ND	16
	2'	ND	ND	ND	ND	ND	ND	16
	3'	ND	ND	ND	ND	ND	ND	32
	4'	ND	ND	ND	ND	ND	ND	16

(ND) - Analyte Not Detected

All Laboratory analytical reports are provided in Appendix E. A Site Map is provided in Figure #1.

REMEDIATION ACTIVITIES

On May 15, 2023, BB&I mobilized personnel and heavy equipment for remedial activities. Based on the site characteristics and field observations made during the site assessment, the following remedial activities were undertaken to advance the Release Site toward an NMOCD-approved site closure:

- The areas of S-2, S-5, and S-6 were excavated to a depth of 1 foot BGS.
- The areas of S-1 and S-4 were excavated to a depth of 2 feet BGS.
- The area of S-3 was excavated to a depth of 5 feet BGS.
- Once the area was excavated to the specified depth, on 5-17-23, we emailed the NMOCD and conducted confirmation samples. We utilized composite sampling, where each sample was representative of no more than 200 sq/ft. The results of this event are in the following data table:

5-22-23 Confirmation Samples

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Sample Date 5-22-23		Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg				Closure Criteria 100 mg/kg	Closure Criteria 600 mg/kg
Sample ID	Depth (BGS)	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
S-1 NSW	2'	ND	ND	ND	ND	ND	ND	16
S-1 ESW	2'	ND	ND	ND	ND	ND	ND	ND
S-1 WSW	2'	ND	ND	ND	ND	ND	ND	32
S-2 COMP	1'	ND	ND	ND	ND	ND	ND	16
S-2 SSW	1'	ND	ND	ND	ND	ND	ND	48
S-3 COMP	5'	ND	ND	ND	ND	ND	ND	16
S-3 NSW	5'	ND	ND	ND	ND	ND	ND	32
S-3 ESW	5'	ND	ND	ND	ND	ND	ND	32
S-3 SSW	5'	ND	ND	ND	ND	ND	ND	32
S-3 WSW	5'	ND	ND	ND	ND	ND	ND	48
S-4 COMP	2'	ND	ND	ND	ND	ND	ND	32
S-4 NSW	2'	ND	ND	ND	ND	ND	ND	16
S-4 ESW	2'	ND	ND	ND	ND	ND	ND	32
S-4 WSW	2'	ND	ND	ND	ND	ND	ND	ND
S-5 COMP	1'	ND	ND	ND	84.7	ND	84.7	ND
S-5 NSW	1'	ND	ND	ND	183	16.2	199.2	16
S-6 COMP	1'	ND	ND	ND	ND	ND	ND	48
S-6 SSW	1'	ND	ND	ND	ND	ND	ND	64

(ND) - Analyte Not Detected

Based on the sample results, we advised BB&I to advance the sidewall in the area of S-5 NSW an additional 1 foot horizontally. Once completed, we sampled this area again. The results are in the following data table.

5-31-23 Laboratory Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Sample Date 5-31-23		Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg				Closure Criteria 100 mg/kg	Closure Criteria 600 mg/kg
Sample ID	Depth (BGS)	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
S-5 NSW	1	--	--	ND	ND	ND	ND	--

ND- Analyte Not Detected/-- Analyte Not Tested

- Laboratory analytical results indicated that the excavation site concentrations were below NMOCD Closure Criteria.
- All excavated soils were temporarily stockpiled on-site atop a poly liner during the project. It was transported to Lea Land, an NMOCD-approved waste disposal facility where backfill material was also obtained. The affected area was then contoured and machine-compacted to match the surrounding grade.

CLOSURE REQUEST

After careful review, Paragon requests that the incident, NAPP2300332370, 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 tristan@paragonenvironmental.net.

Respectfully,

Tristan Jones
Project Coordinator
Paragon Environmental, LLC



Chris Jones
Environmental Professional
Paragon Environmental, LLC



Attachments

Figures:

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

Appendices:

- Appendix A – Referenced Water Surveys
- Appendix B – Soil Survey and FEMA Flood Map
- Appendix C – C-141
- Appendix D – Email Notification & Photographic Documentation
- Appendix E – Laboratory Reports



Figures:

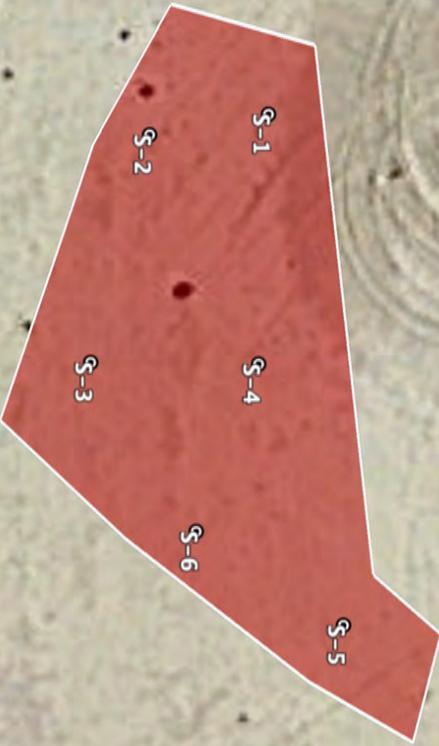
- 1-Site Map
- 2- Topo Map
- 3- Karst Map
- 4- Aerial Map
- 5- Confirmation Map

Spur Energy Partners

Fat Tire 12
Eddy County, NM
Site Map

Legend

-  Excavation Area
-  Samples



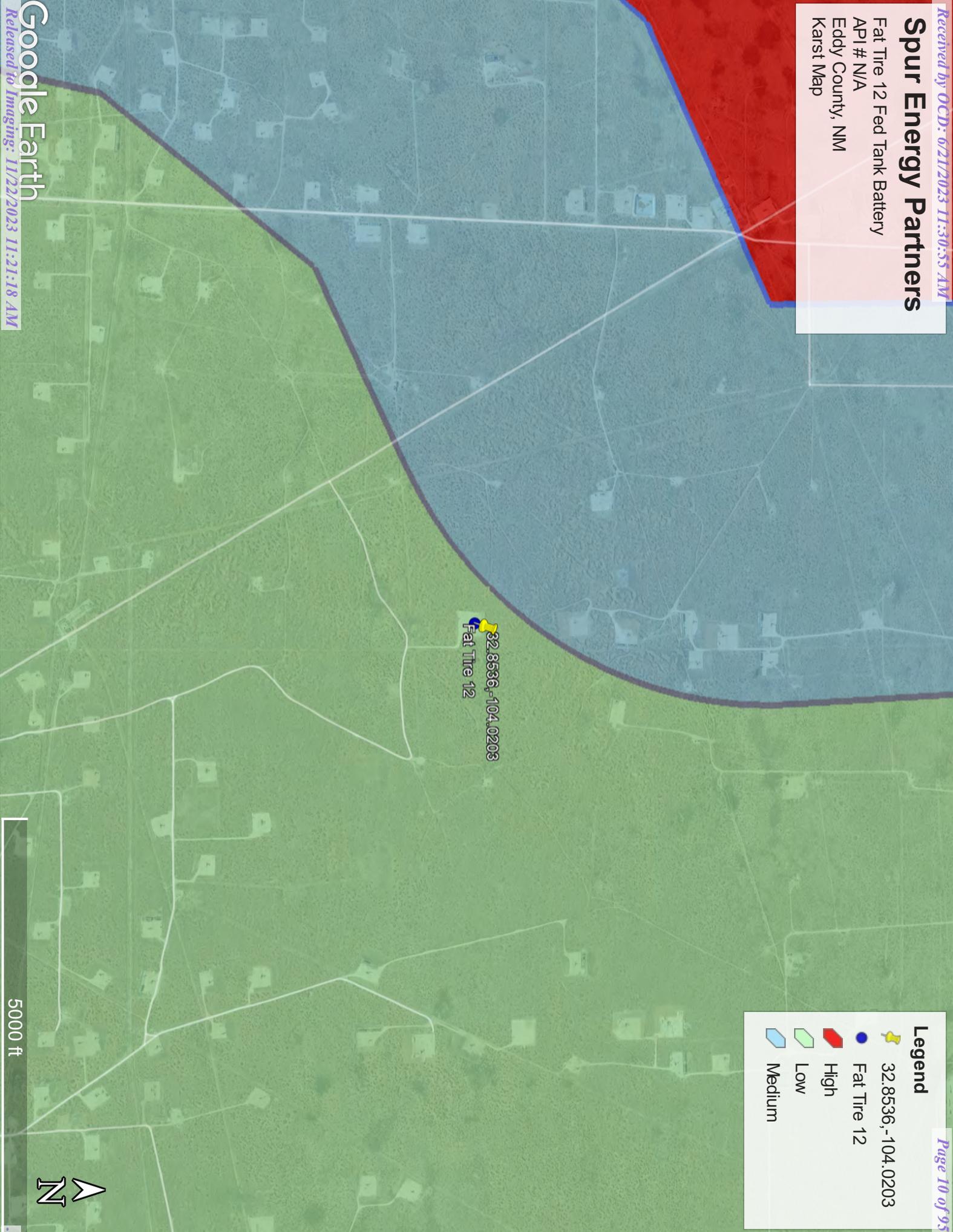
FAT TIRE #12 32.8536,-104.0203

80 ft



Spur Energy Partners

Fat Tire 12 Fed Tank Battery
API # N/A
Eddy County, NM
Karst Map



Legend

-  32.8536, -104.0203
-  Fat Tire 12
-  High
-  Low
-  Medium

5000 ft

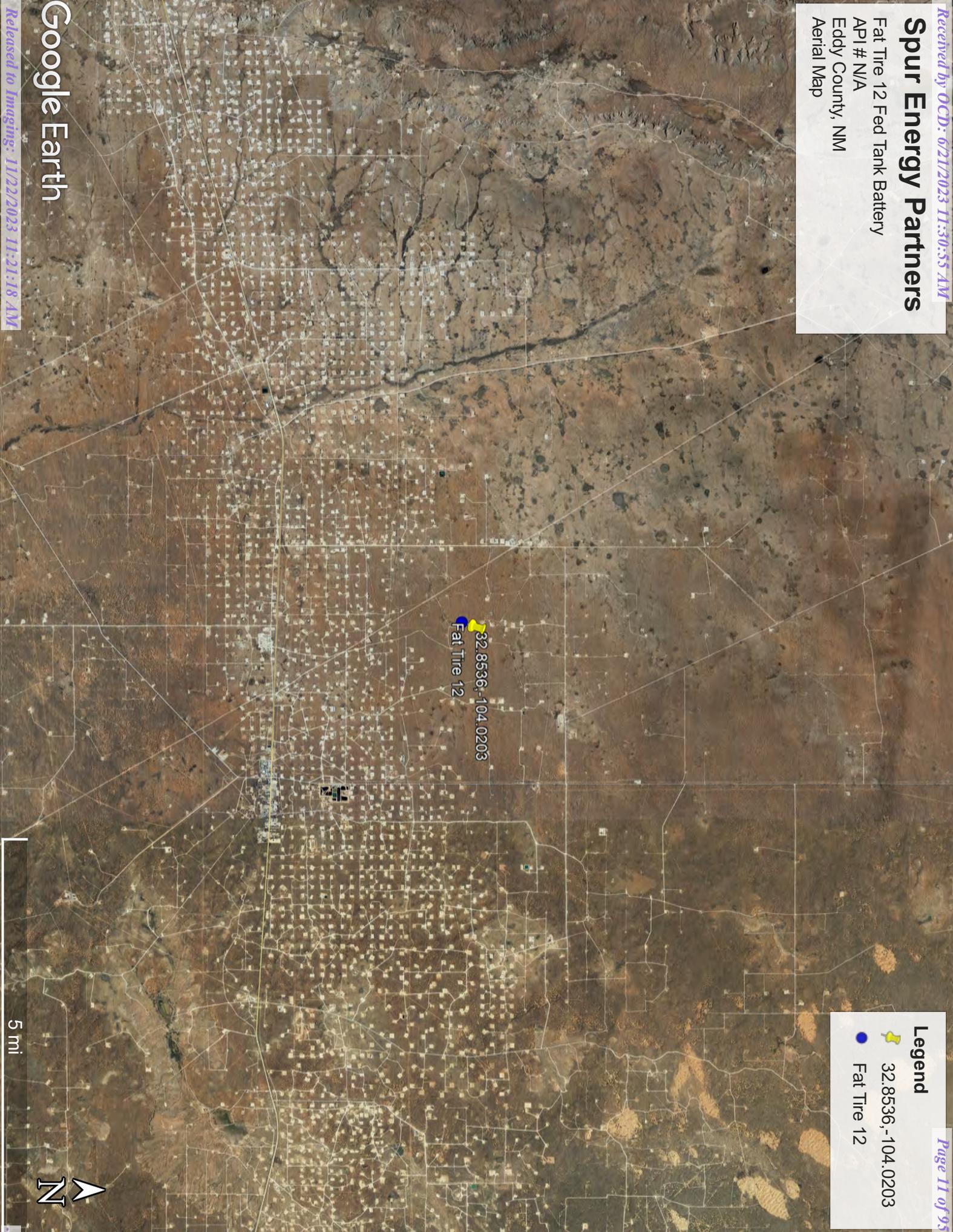


Spur Energy Partners

Fat Tire 12 Fed Tank Battery
API # N/A
Eddy County, NM
Aerial Map

Legend

-  32.8536,-104.0203
-  Fat Tire 12



 32.8536,-104.0203
Fat Tire 12

Google Earth

5 mi

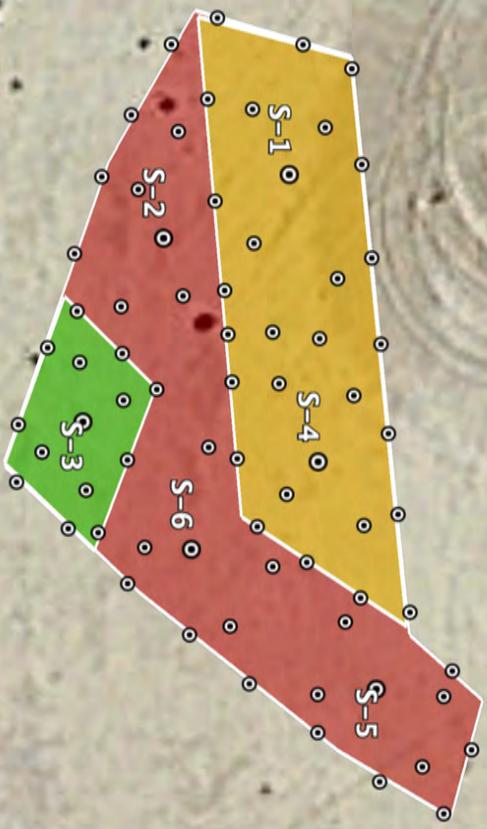


Spur Energy Partners

Fat Tire 12
Eddy County, NM
Confirmation Map

Legend

- 1-Foot Excavation
- 2-Feet Excavation
- 5-Feet Excavation
- Sample Areas



FAT TIRE #12 32.8536,-104.0203

70 ft



Appendix A
Referenced Water Data:

New Mexico State of Engineers Office



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

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

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

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

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
RA 13233 POD1		RA	ED	3	3	1	06	17S	30E	591790	3636711	1235	104		

Average Depth to Water: --
Minimum Depth: --
Maximum Depth: --

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 591672.689 **Northing (Y):** 3635481.701 **Radius:** 1600

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

1/9/23 9:03 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)						(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	RA 13233 POD1	3	3	1	06	17S	30E	591790	3636711

Driller License: 1249	Driller Company: ATKINS ENGINEERING ASSOC. INC.	
Driller Name: JACKIE D ATKINS		
Drill Start Date: 10/05/2022	Drill Finish Date: 10/05/2022	Plug Date:
Log File Date: 11/15/2022	PCW Rev Date:	Source:
Pump Type:	Pipe Discharge Size:	Estimated Yield:
Casing Size:	Depth Well: 104 feet	Depth Water:

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

1/9/23 9:03 AM

POINT OF DIVERSION SUMMARY



Appendix B
Soil Survey:

U.S.D.A.

FEMA Flood Map

Map Unit Description: Kermit-Berino fine sands, 0 to 3 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

KM—Kermit-Berino fine sands, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w4q
Elevation: 3,100 to 4,200 feet
Mean annual precipitation: 10 to 14 inches
Mean annual air temperature: 60 to 64 degrees F
Frost-free period: 190 to 230 days
Farmland classification: Not prime farmland

Map Unit Composition

Kermit and similar soils: 50 percent
Berino and similar soils: 35 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kermit

Setting

Landform: Plains, alluvial fans
Landform position (three-dimensional): Talf, rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 7 inches: fine sand
H2 - 7 to 60 inches: fine sand

Properties and qualities

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

Interpretive groups

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

Map Unit Description: Kermit-Berino fine sands, 0 to 3 percent slopes---Eddy Area, New Mexico

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 sand
H2 - 17 to 50 inches: fine sandy loam
H3 - 50 to 58 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 7.2 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Active dune land

Percent of map unit: 15 percent
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 18, Sep 8, 2022

104°13'2"W 32°51'28"N



Released to Imaging: 11/22/2023 09:21:18 AM 1,500

2,000 Feet 1:6,000

104°05'4"W 32°50'58"N

Legend

SEE HIS 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 Water Surface Elevation
- 17.5 Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS

- Digital Data Available
- No Digital Data Available
- Unmapped

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 1/9/2023 at 11:05 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



Appendix C:

C-141

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	nAPP2300332370
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Spur Energy Partners LLC	OGRID	328947
Contact Name	Katherine Purvis	Contact Telephone	(575) 441-8619
Contact email	katherine.purvis@spurenergy.com	Incident # (assigned by OCD)	nAPP2300332370
Contact mailing address	9655 Katy Freeway; Houston, TX 77024		

Location of Release Source

Latitude 32.85360 Longitude -104.02030
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	FAT TIRE FEDERAL TANK BATTERY	Site Type	BATTERY
Date Release Discovered	01/02/2023	API# (if applicable)	N/A

Unit Letter	Section	Township	Range	County
A	12	17S	29E	EDDY

Surface Owner: State Federal Tribal Private (Name: _____)

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 8 BBLS	Volume Recovered (bbls) 3 BBLS
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

THE DRIVER OF THE TANKER TRAILER FELL ASLEEP SO IT RAN OVER SPILLING OIL ONTO THE PAD.

Incident ID	nAPP2300332370
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why: N/A
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>Katherine Purvis</u> Title: <u>EHS Coordinator</u> Signature: <u>Katherine Purvis</u> Date: <u>01/03/2023</u> email: <u>katherine.purvis@spurenergy.com</u> Telephone: <u>(575) 441-8619</u>
<u>OCD Only</u> Received by: <u>Jocelyn Harimon</u> Date: <u>01/03/2023</u>

State of New Mexico
Oil Conservation Division

Form C-141

Incident ID	NAPP2300332370
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u><50</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan

State of New Mexico
Oil Conservation Division

Page 2

Incident ID	NAPP2300332370
District RP	
Facility ID	
Application ID	

and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

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

Printed Name: Kathy Purvis.

Title: HSE Coordinator

Signature: Katherine Purvis

Date: 6/21/23

email: katherine.purvis@spurenergy.com

Telephone: 575-441-8619

OCD Only

Received by: Shelly Wells

Date: 6/22/2023

Incident ID	NAPP2300332370
District RP	
Facility ID	
Application ID	

Closure

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

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

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

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

Printed Name: Kathy Purvis.

Title: HSE Coordinator

Signature: Katherine Purvis

Date: 6/21/23

email: katherine.purvis@spurenergy.com

Telephone: 575-441-8619

OCD Only

Received by: Shelby Wells

Date: 6/22/2023

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



Appendix D:

Email Notification

Photographic Documentation

Monday, June 19, 2023 at 11:22:28 Mountain Daylight Time

Subject: nAPP2300332370
Date: Wednesday, May 17, 2023 at 12:59:32 PM Mountain Daylight Time
From: Chris Jones
To: Bratcher, Michael, EMNRD, Hamlet, Robert, EMNRD, Nobui, Jennifer, EMNRD
CC: Katherine Purvis, Braidy Moulder, Tristan Jones, Jeremy Maner, Cecilia Medina
Attachments: image001.jpg

Mike,

This is to inform you we will be obtaining confirmation soil samples at the Fat Tire Fed Tank Battery Monday, 5-22-23, at approximately 9 am. If you have any questions or concerns please let me know.

Thank You,

Chris Jones
Environmental Professional
1601 N. Turner Ste. 500
Hobbs, NM 88240
chris@paragonenvironmental.net
575-631-6977 cell



“We do not inherit the Earth
from our ancestors; we borrow
it from our children.”
Chief Seattle



Photographic Documentation Before

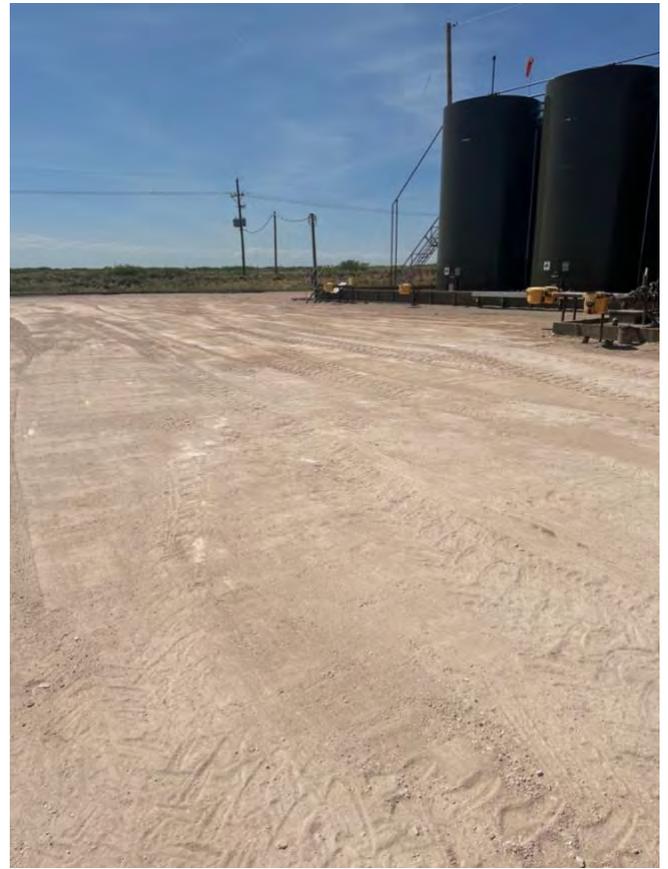


During





COMPLETED





Appendix E:
Laboratory Results



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

January 10, 2023

CASON SPURLOCK
PARAGON ENVIROMENTAL
5002 CARRAIGE RD
HOBBS, NM 88242

RE: FAT TIRE 12

Enclosed are the results of analyses for samples received by the laboratory on 01/03/23 16:56.

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".

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/10/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 1 0-6" (H230021-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.09	1.00	01/07/2023	ND	1.99	99.7	2.00	4.35	
Toluene*	15.4	1.00	01/07/2023	ND	2.17	109	2.00	4.02	
Ethylbenzene*	14.5	1.00	01/07/2023	ND	2.14	107	2.00	4.22	
Total Xylenes*	23.7	3.00	01/07/2023	ND	6.62	110	6.00	4.65	
Total BTEX	54.7	6.00	01/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 134 % 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	01/05/2023	ND	416	104	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*	523	50.0	01/05/2023	ND	209	105	200	3.50	
DRO >C10-C28*	1270	50.0	01/05/2023	ND	180	89.8	200	4.91	
EXT DRO >C28-C36	181	50.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 131 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/10/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 1 1' (H230021-02)

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	01/07/2023	ND	1.99	99.7	2.00	4.35	
Toluene*	0.201	0.050	01/07/2023	ND	2.17	109	2.00	4.02	
Ethylbenzene*	0.385	0.050	01/07/2023	ND	2.14	107	2.00	4.22	
Total Xylenes*	0.904	0.150	01/07/2023	ND	6.62	110	6.00	4.65	
Total BTEX	1.49	0.300	01/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 140 % 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	01/05/2023	ND	416	104	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*	56.0	10.0	01/05/2023	ND	209	105	200	3.50	
DRO >C10-C28*	287	10.0	01/05/2023	ND	180	89.8	200	4.91	
EXT DRO >C28-C36	41.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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:

PARAGON ENVIROMENTAL
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/10/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 1 2' (H230021-03)

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	01/07/2023	ND	1.99	99.7	2.00	4.35	
Toluene*	0.132	0.050	01/07/2023	ND	2.17	109	2.00	4.02	
Ethylbenzene*	0.228	0.050	01/07/2023	ND	2.14	107	2.00	4.22	
Total Xylenes*	0.412	0.150	01/07/2023	ND	6.62	110	6.00	4.65	
Total BTEX	0.772	0.300	01/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 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	01/05/2023	ND	416	104	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*	12.6	10.0	01/05/2023	ND	209	105	200	3.50	
DRO >C10-C28*	44.4	10.0	01/05/2023	ND	180	89.8	200	4.91	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 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:

PARAGON ENVIROMENTAL
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/10/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 1 3' (H230021-04)

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	01/07/2023	ND	1.99	99.7	2.00	4.35	
Toluene*	<0.050	0.050	01/07/2023	ND	2.17	109	2.00	4.02	
Ethylbenzene*	<0.050	0.050	01/07/2023	ND	2.14	107	2.00	4.22	
Total Xylenes*	<0.150	0.150	01/07/2023	ND	6.62	110	6.00	4.65	
Total BTEX	<0.300	0.300	01/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 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	01/05/2023	ND	416	104	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	01/05/2023	ND	209	105	200	3.50	
DRO >C10-C28*	21.7	10.0	01/05/2023	ND	180	89.8	200	4.91	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 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:

PARAGON ENVIROMENTAL
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/10/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 1 4' (H230021-05)

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	01/07/2023	ND	1.99	99.7	2.00	4.35	
Toluene*	<0.050	0.050	01/07/2023	ND	2.17	109	2.00	4.02	
Ethylbenzene*	<0.050	0.050	01/07/2023	ND	2.14	107	2.00	4.22	
Total Xylenes*	<0.150	0.150	01/07/2023	ND	6.62	110	6.00	4.65	
Total BTEX	<0.300	0.300	01/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 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	01/05/2023	ND	416	104	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	01/05/2023	ND	209	105	200	3.50	
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	180	89.8	200	4.91	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.2 % 49.1-148

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
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/10/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 2 0-6" (H230021-06)

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	01/09/2023	ND	1.99	99.7	2.00	4.35	
Toluene*	0.455	0.050	01/09/2023	ND	2.17	109	2.00	4.02	
Ethylbenzene*	1.66	0.050	01/09/2023	ND	2.14	107	2.00	4.22	
Total Xylenes*	3.68	0.150	01/09/2023	ND	6.62	110	6.00	4.65	
Total BTEX	5.79	0.300	01/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 177 % 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	01/05/2023	ND	416	104	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*	38.8	10.0	01/05/2023	ND	209	105	200	3.50	
DRO >C10-C28*	222	10.0	01/05/2023	ND	180	89.8	200	4.91	
EXT DRO >C28-C36	31.1	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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:

PARAGON ENVIROMENTAL
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/10/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 2 1' (H230021-07)

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	01/07/2023	ND	1.99	99.7	2.00	4.35		
Toluene*	<0.050	0.050	01/07/2023	ND	2.17	109	2.00	4.02		
Ethylbenzene*	<0.050	0.050	01/07/2023	ND	2.14	107	2.00	4.22		
Total Xylenes*	<0.150	0.150	01/07/2023	ND	6.62	110	6.00	4.65		
Total BTEX	<0.300	0.300	01/07/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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	01/05/2023	ND	416	104	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	01/05/2023	ND	209	105	200	3.50		
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	180	89.8	200	4.91		
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND						

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/10/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 2 2' (H230021-08)

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	01/07/2023	ND	1.99	99.7	2.00	4.35		
Toluene*	<0.050	0.050	01/07/2023	ND	2.17	109	2.00	4.02		
Ethylbenzene*	<0.050	0.050	01/07/2023	ND	2.14	107	2.00	4.22		
Total Xylenes*	<0.150	0.150	01/07/2023	ND	6.62	110	6.00	4.65		
Total BTEX	<0.300	0.300	01/07/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 127 % 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	01/05/2023	ND	416	104	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	01/05/2023	ND	209	105	200	3.50		
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	180	89.8	200	4.91		
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND						

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/10/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 2 3' (H230021-09)

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	01/07/2023	ND	1.99	99.7	2.00	4.35	
Toluene*	0.062	0.050	01/07/2023	ND	2.17	109	2.00	4.02	
Ethylbenzene*	<0.050	0.050	01/07/2023	ND	2.14	107	2.00	4.22	
Total Xylenes*	<0.150	0.150	01/07/2023	ND	6.62	110	6.00	4.65	
Total BTEX	<0.300	0.300	01/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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	01/05/2023	ND	416	104	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	01/05/2023	ND	209	105	200	3.50	
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	180	89.8	200	4.91	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/10/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 2 4' (H230021-10)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.270	0.050	01/07/2023	ND	1.99	99.7	2.00	4.35	
Toluene*	0.510	0.050	01/07/2023	ND	2.17	109	2.00	4.02	
Ethylbenzene*	0.148	0.050	01/07/2023	ND	2.14	107	2.00	4.22	
Total Xylenes*	0.205	0.150	01/07/2023	ND	6.62	110	6.00	4.65	
Total BTEX	1.13	0.300	01/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 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	01/05/2023	ND	416	104	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	01/05/2023	ND	209	105	200	3.50	
DRO >C10-C28*	13.1	10.0	01/05/2023	ND	180	89.8	200	4.91	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/10/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 3 0-6" (H230021-11)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	45.4	5.00	01/07/2023	ND	1.99	99.7	2.00	4.35	
Toluene*	222	5.00	01/07/2023	ND	2.17	109	2.00	4.02	
Ethylbenzene*	138	5.00	01/07/2023	ND	2.14	107	2.00	4.22	
Total Xylenes*	218	15.0	01/07/2023	ND	6.62	110	6.00	4.65	
Total BTEX	624	30.0	01/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 132 % 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	01/05/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	1320	50.0	01/05/2023	ND	209	105	200	3.50		
DRO >C10-C28*	2330	50.0	01/05/2023	ND	180	89.8	200	4.91		
EXT DRO >C28-C36	354	50.0	01/05/2023	ND						

Surrogate: 1-Chlorooctane 150 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/10/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 3 1' (H230021-12)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.58	0.500	01/07/2023	ND	1.99	99.7	2.00	4.35	
Toluene*	26.8	0.500	01/07/2023	ND	2.17	109	2.00	4.02	
Ethylbenzene*	20.2	0.500	01/07/2023	ND	2.14	107	2.00	4.22	
Total Xylenes*	33.0	1.50	01/07/2023	ND	6.62	110	6.00	4.65	
Total BTEX	83.6	3.00	01/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 144 % 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	01/05/2023	ND	416	104	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*	588	50.0	01/05/2023	ND	209	105	200	3.50	
DRO >C10-C28*	1190	50.0	01/05/2023	ND	180	89.8	200	4.91	
EXT DRO >C28-C36	167	50.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/10/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 3 2' (H230021-13)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.055	0.050	01/07/2023	ND	1.99	99.7	2.00	4.35	
Toluene*	0.154	0.050	01/07/2023	ND	2.17	109	2.00	4.02	
Ethylbenzene*	0.060	0.050	01/07/2023	ND	2.14	107	2.00	4.22	
Total Xylenes*	<0.150	0.150	01/07/2023	ND	6.62	110	6.00	4.65	
Total BTEX	<0.300	0.300	01/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	01/05/2023	ND	416	104	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	01/05/2023	ND	209	105	200	3.50	
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	180	89.8	200	4.91	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 86.7 % 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:

PARAGON ENVIROMENTAL
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/10/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 3 3' (H230021-14)

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	01/07/2023	ND	1.99	99.7	2.00	4.35	
Toluene*	0.191	0.050	01/07/2023	ND	2.17	109	2.00	4.02	
Ethylbenzene*	0.302	0.050	01/07/2023	ND	2.14	107	2.00	4.22	
Total Xylenes*	0.656	0.150	01/07/2023	ND	6.62	110	6.00	4.65	
Total BTEX	1.15	0.300	01/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 135 % 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	01/05/2023	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*	33.9	10.0	01/05/2023	ND	209	105	200	3.50	
DRO >C10-C28*	199	10.0	01/05/2023	ND	180	89.8	200	4.91	
EXT DRO >C28-C36	25.8	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/10/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 3 4' (H230021-15)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.13	0.500	01/07/2023	ND	1.99	99.7	2.00	4.35	
Toluene*	16.0	0.500	01/07/2023	ND	2.17	109	2.00	4.02	
Ethylbenzene*	12.6	0.500	01/07/2023	ND	2.14	107	2.00	4.22	
Total Xylenes*	20.4	1.50	01/07/2023	ND	6.62	110	6.00	4.65	
Total BTEX	51.1	3.00	01/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 138 % 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	01/05/2023	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*	514	50.0	01/05/2023	ND	209	105	200	3.50	
DRO >C10-C28*	1030	50.0	01/05/2023	ND	180	89.8	200	4.91	
EXT DRO >C28-C36	116	50.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/10/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 4 0-6" (H230021-16)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.409	0.200	01/07/2023	ND	1.99	99.7	2.00	4.35	
Toluene*	9.83	0.200	01/07/2023	ND	2.17	109	2.00	4.02	
Ethylbenzene*	11.4	0.200	01/07/2023	ND	2.14	107	2.00	4.22	
Total Xylenes*	19.6	0.600	01/07/2023	ND	6.62	110	6.00	4.65	
Total BTEX	41.2	1.20	01/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 158 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/05/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	361	10.0	01/05/2023	ND	209	105	200	3.50	
DRO >C10-C28*	957	10.0	01/05/2023	ND	180	89.8	200	4.91	
EXT DRO >C28-C36	157	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 162 % 48.2-134

Surrogate: 1-Chlorooctadecane 200 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/10/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 4 1' (H230021-17)

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	01/07/2023	ND	1.99	99.7	2.00	4.35	
Toluene*	0.140	0.050	01/07/2023	ND	2.17	109	2.00	4.02	
Ethylbenzene*	0.142	0.050	01/07/2023	ND	2.14	107	2.00	4.22	
Total Xylenes*	0.311	0.150	01/07/2023	ND	6.62	110	6.00	4.65	
Total BTEX	0.593	0.300	01/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 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	01/05/2023	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*	19.5	10.0	01/05/2023	ND	201	100	200	3.63	
DRO >C10-C28*	105	10.0	01/05/2023	ND	195	97.6	200	0.248	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 97.1 % 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:

PARAGON ENVIROMENTAL
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/10/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 4 2' (H230021-18)

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	01/07/2023	ND	1.99	99.7	2.00	4.35		
Toluene*	<0.050	0.050	01/07/2023	ND	2.17	109	2.00	4.02		
Ethylbenzene*	<0.050	0.050	01/07/2023	ND	2.14	107	2.00	4.22		
Total Xylenes*	<0.150	0.150	01/07/2023	ND	6.62	110	6.00	4.65		
Total BTEX	<0.300	0.300	01/07/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 127 % 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	01/05/2023	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	01/05/2023	ND	201	100	200	3.63		
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	195	97.6	200	0.248		
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND						

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received: 01/03/2023
 Reported: 01/10/2023
 Project Name: FAT TIRE 12
 Project Number: NOT GIVEN
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 01/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 4 3' (H230021-19)

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	01/06/2023	ND	1.95	97.7	2.00	10.0	
Toluene*	<0.050	0.050	01/06/2023	ND	2.04	102	2.00	7.06	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.02	101	2.00	6.27	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.12	102	6.00	5.71	
Total BTEX	<0.300	0.300	01/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	01/05/2023	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	01/05/2023	ND	201	100	200	3.63	
DRO >C10-C28*	16.0	10.0	01/05/2023	ND	195	97.6	200	0.248	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/10/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 4 4' (H230021-20)

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	01/06/2023	ND	1.95	97.7	2.00	10.0	
Toluene*	<0.050	0.050	01/06/2023	ND	2.04	102	2.00	7.06	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.02	101	2.00	6.27	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.12	102	6.00	5.71	
Total BTEX	<0.300	0.300	01/06/2023	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	32.0	16.0	01/05/2023	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	01/05/2023	ND	201	100	200	3.63	
DRO >C10-C28*	30.2	10.0	01/05/2023	ND	195	97.6	200	0.248	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/10/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 6 4' (H230021-21)

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	01/06/2023	ND	1.95	97.7	2.00	10.0	
Toluene*	0.073	0.050	01/06/2023	ND	2.04	102	2.00	7.06	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.02	101	2.00	6.27	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.12	102	6.00	5.71	
Total BTEX	<0.300	0.300	01/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	01/05/2023	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	01/05/2023	ND	201	100	200	3.63	
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	195	97.6	200	0.248	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/10/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 5 0-6" (H230021-22)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	01/06/2023	ND	1.95	97.7	2.00	10.0	
Toluene*	6.98	0.500	01/06/2023	ND	2.04	102	2.00	7.06	
Ethylbenzene*	7.18	0.500	01/06/2023	ND	2.02	101	2.00	6.27	
Total Xylenes*	11.4	1.50	01/06/2023	ND	6.12	102	6.00	5.71	
Total BTEX	25.6	3.00	01/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	01/05/2023	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*	234	10.0	01/05/2023	ND	201	100	200	3.63	
DRO >C10-C28*	720	10.0	01/05/2023	ND	195	97.6	200	0.248	
EXT DRO >C28-C36	75.8	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/10/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 5 1' (H230021-23)

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	01/06/2023	ND	1.95	97.7	2.00	10.0		
Toluene*	<0.050	0.050	01/06/2023	ND	2.04	102	2.00	7.06		
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.02	101	2.00	6.27		
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.12	102	6.00	5.71		
Total BTEX	<0.300	0.300	01/06/2023	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	16.0	16.0	01/05/2023	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	01/05/2023	ND	201	100	200	3.63		
DRO >C10-C28*	45.8	10.0	01/05/2023	ND	195	97.6	200	0.248		
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND						

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.4 % 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:

PARAGON ENVIROMENTAL
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received: 01/03/2023
 Reported: 01/10/2023
 Project Name: FAT TIRE 12
 Project Number: NOT GIVEN
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 01/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 5 2' (H230021-24)

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	01/06/2023	ND	1.95	97.7	2.00	10.0	
Toluene*	<0.050	0.050	01/06/2023	ND	2.04	102	2.00	7.06	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.02	101	2.00	6.27	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.12	102	6.00	5.71	
Total BTEX	<0.300	0.300	01/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	01/05/2023	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	01/05/2023	ND	201	100	200	3.63	
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	195	97.6	200	0.248	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 85.4 % 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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Analytical Results For:

PARAGON ENVIROMENTAL
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/10/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 5 3' (H230021-25)

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	01/06/2023	ND	1.95	97.7	2.00	10.0	
Toluene*	<0.050	0.050	01/06/2023	ND	2.04	102	2.00	7.06	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.02	101	2.00	6.27	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.12	102	6.00	5.71	
Total BTEX	<0.300	0.300	01/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	01/05/2023	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	01/05/2023	ND	201	100	200	3.63	
DRO >C10-C28*	19.4	10.0	01/05/2023	ND	195	97.6	200	0.248	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 82.4 % 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:

PARAGON ENVIROMENTAL
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/10/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 5 4' (H230021-26)

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	01/06/2023	ND	1.95	97.7	2.00	10.0		
Toluene*	<0.050	0.050	01/06/2023	ND	2.04	102	2.00	7.06		
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.02	101	2.00	6.27		
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.12	102	6.00	5.71		
Total BTEX	<0.300	0.300	01/06/2023	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	32.0	16.0	01/05/2023	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	01/05/2023	ND	201	100	200	3.63		
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	195	97.6	200	0.248		
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND						

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/10/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 6 0-6" (H230021-27)

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	01/08/2023	ND	1.95	97.7	2.00	10.0	
Toluene*	0.110	0.050	01/08/2023	ND	2.04	102	2.00	7.06	
Ethylbenzene*	0.320	0.050	01/08/2023	ND	2.02	101	2.00	6.27	
Total Xylenes*	0.638	0.150	01/08/2023	ND	6.12	102	6.00	5.71	
Total BTEX	1.07	0.300	01/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	128	16.0	01/05/2023	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*	22.0	10.0	01/05/2023	ND	201	100	200	3.63	
DRO >C10-C28*	241	10.0	01/05/2023	ND	195	97.6	200	0.248	
EXT DRO >C28-C36	21.8	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 87.2 % 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:

PARAGON ENVIROMENTAL
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/10/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 6 1' (H230021-28)

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	01/06/2023	ND	1.95	97.7	2.00	10.0	
Toluene*	<0.050	0.050	01/06/2023	ND	2.04	102	2.00	7.06	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.02	101	2.00	6.27	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.12	102	6.00	5.71	
Total BTEX	<0.300	0.300	01/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	01/05/2023	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	01/05/2023	ND	201	100	200	3.63	
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	195	97.6	200	0.248	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 82.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/10/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 6 2' (H230021-29)

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	01/06/2023	ND	1.95	97.7	2.00	10.0	
Toluene*	<0.050	0.050	01/06/2023	ND	2.04	102	2.00	7.06	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.02	101	2.00	6.27	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.12	102	6.00	5.71	
Total BTEX	<0.300	0.300	01/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	01/05/2023	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	01/05/2023	ND	201	100	200	3.63	
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	195	97.6	200	0.248	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

PARAGON ENVIROMENTAL
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/10/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 6 3' (H230021-30)

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	01/06/2023	ND	1.95	97.7	2.00	10.0	
Toluene*	<0.050	0.050	01/06/2023	ND	2.04	102	2.00	7.06	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.02	101	2.00	6.27	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.12	102	6.00	5.71	
Total BTEX	<0.300	0.300	01/06/2023	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	32.0	16.0	01/05/2023	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	01/05/2023	ND	201	100	200	3.63	
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	195	97.6	200	0.248	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 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.
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: Cason Spurlock Address: 5002 Carriage Rd City: Hobbs State: NM Zip: 88242 Phone #: 575-631-6977 Fax #: _____ Project #: _____ Project Owner: <i>SPUR</i> Project Name: <i>FAT TIRE #2</i> Project Location: <i>Edley County</i> Sampler Name: <i>Veronica Warden</i>		P.O. #: _____ Company: <i>SPUR</i> Attn: <i>Bucky Welden</i> Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
BILL TO			
ANALYSIS REQUEST			
Lab I.D. <i>H230021</i>	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS
FOR LAB USE ONLY		MATRIX	
		GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : _____	
		ACID/BASE: ICE / COOL OTHER : _____	
		PRESERV	SAMPLING
		DATE	TIME
1 S-1 0-6" 2 S-1 1' 3 S-1 2' 4 S-1 3' 5 S-1 4' 6 S-2 0-6" 7 S-2 1' 8 S-2 2' 9 S-2 3' 10 S-2 4'		01/03	
TPH Ext. BTEX Chlorides			

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Relinquished By: *R2. Wls* Date: *01/03* Time: *1656*

Received By: *Veronica Warden*

Delivered By: (Circle One) *#1B* Sample Condition: Intact Cool Yes No

Sampler - UPS - Bus - Other: *5.2i / 4.6i* CHECKED BY: (Initials) *VO*

REMARKS: *Email results to Chris Jones*

† 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		BILL TO		ANALYSIS REQUEST	
Project Manager: Cason Spurlock		P.O. #:			
Address: 5002 Carriage Rd		Company: Spur			
City: Hobbs		Attn: Rocky Milder			
Phone #: 575-631-6977		Address:			
Project #:		City:			
Project Name: Fat Tire 12		State:			
Project Location: Eddy County		Phone #:			
Sampler Name: Jimmy		Fax #:			
FOR LAB USE ONLY		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
H230021	5.3 0.6"			0103	
11	5.3 1'				TPH Ext.
12	5.3 1'				3TEX
13	5.3 1'				Chlorides
14	5.3 3'				
15	5.3 4'				
14	5.4 0.6"				
17	5.4 1'				
18	5.4 2'				
19	5.4 3'				
20	5.4 4'				

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Relinquished By: *R.M.L.* Date: 01/03
 Received By: *Michelle Calderon* Date: 01/03

Delivered By: (Circle One) *R.M.L.* Sample Condition: Intact Cool Yes No

Sampler - UPS - Bus - Other: *5.2c/4.6c* #1/3 CHECKED BY: *Y.* (Initials)

REMARKS: *Email results to Chris Jones*

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

† 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: Cason Spurlock Address: 5002 Carriage Rd City: Hobbs Phone #: 575-631-6977 Project #: _____ Project Name: Fat Tire 12 Project Location: Eddy County Sampler Name: <i>2 Pavers</i>		P.O. #: _____ Company: Spw Attn: Brady Weldon Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
Bill To: _____ Analysis Request: _____		Date: 01/03 Time: 1654 Received By: <i>[Signature]</i>	
Relinquished By: <i>[Signature]</i> Delivered By: (Circle One) <i>UPS</i> Sampler - UPS - Bus - Other: _____		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Checked By: <i>[Signature]</i>	
PLEASE NOTE: Liberty and... Analysis... service... will...		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ Add'l Fax #: _____	
Lab I.D.: HZ30021 21 22 23 24 25 26 27 28 29 30	Sample I.D.: 4' 0.6' 1' 2' 3' 4' 0.6' 1' 2' 3'	MATRIX: (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER ACID/BASE: ICE / COOL OTHER	DATE TIME: 01/03 TPH Ext BTEX Chlorides

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



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

May 25, 2023

CHRIS JONES
PARAGON ENVIROMENTAL
5002 CARRAIGE RD
HOBBS, NM 88242

RE: FAT TIRE 12

Enclosed are the results of analyses for samples received by the laboratory on 05/22/23 14:20.

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".

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	05/22/2023	Sampling Date:	05/22/2023
Reported:	05/25/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 1 COMP. (H232583-01)

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	05/23/2023	ND	2.43	121	2.00	7.10	
Toluene*	<0.050	0.050	05/23/2023	ND	2.47	124	2.00	8.14	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.59	130	2.00	8.77	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	7.56	126	6.00	9.06	
Total BTEX	<0.300	0.300	05/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	05/23/2023	ND	416	104	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	05/23/2023	ND	163	81.3	200	3.48	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	162	81.0	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	05/22/2023	Sampling Date:	05/22/2023
Reported:	05/25/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 1 NSW (H232583-02)

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	05/23/2023	ND	2.43	121	2.00	7.10	
Toluene*	<0.050	0.050	05/23/2023	ND	2.47	124	2.00	8.14	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.59	130	2.00	8.77	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	7.56	126	6.00	9.06	
Total BTEX	<0.300	0.300	05/23/2023	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	16.0	16.0	05/23/2023	ND	416	104	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	05/23/2023	ND	163	81.3	200	3.48	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	162	81.0	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 78.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	05/22/2023	Sampling Date:	05/22/2023
Reported:	05/25/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 1 ESW (H232583-03)

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	05/23/2023	ND	2.43	121	2.00	7.10	
Toluene*	<0.050	0.050	05/23/2023	ND	2.47	124	2.00	8.14	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.59	130	2.00	8.77	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	7.56	126	6.00	9.06	
Total BTEX	<0.300	0.300	05/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	05/23/2023	ND	416	104	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	05/23/2023	ND	163	81.3	200	3.48	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	162	81.0	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 80.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	05/22/2023	Sampling Date:	05/22/2023
Reported:	05/25/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 1 WSW (H232583-04)

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	05/23/2023	ND	2.43	121	2.00	7.10	
Toluene*	<0.050	0.050	05/23/2023	ND	2.47	124	2.00	8.14	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.59	130	2.00	8.77	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	7.56	126	6.00	9.06	
Total BTEX	<0.300	0.300	05/23/2023	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	05/23/2023	ND	416	104	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	05/23/2023	ND	163	81.3	200	3.48	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	162	81.0	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	05/22/2023	Sampling Date:	05/22/2023
Reported:	05/25/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 2 COMP. (H232583-05)

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	05/23/2023	ND	2.43	121	2.00	7.10	
Toluene*	<0.050	0.050	05/23/2023	ND	2.47	124	2.00	8.14	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.59	130	2.00	8.77	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	7.56	126	6.00	9.06	
Total BTEX	<0.300	0.300	05/23/2023	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	16.0	16.0	05/23/2023	ND	416	104	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	05/23/2023	ND	163	81.3	200	3.48	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	162	81.0	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 78.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	05/22/2023	Sampling Date:	05/22/2023
Reported:	05/25/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 2 SSW (H232583-06)

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	05/23/2023	ND	2.43	121	2.00	7.10		
Toluene*	<0.050	0.050	05/23/2023	ND	2.47	124	2.00	8.14		
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.59	130	2.00	8.77		
Total Xylenes*	<0.150	0.150	05/23/2023	ND	7.56	126	6.00	9.06		
Total BTEX	<0.300	0.300	05/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 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	05/23/2023	ND	416	104	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	05/23/2023	ND	163	81.3	200	3.48		
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	162	81.0	200	2.80		
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND						

Surrogate: 1-Chlorooctane 80.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	05/22/2023	Sampling Date:	05/22/2023
Reported:	05/25/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 3 COMP. (H232583-07)

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	05/23/2023	ND	2.43	121	2.00	7.10		
Toluene*	<0.050	0.050	05/23/2023	ND	2.47	124	2.00	8.14		
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.59	130	2.00	8.77		
Total Xylenes*	<0.150	0.150	05/23/2023	ND	7.56	126	6.00	9.06		
Total BTEX	<0.300	0.300	05/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 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	05/23/2023	ND	416	104	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	05/23/2023	ND	163	81.3	200	3.48		
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	162	81.0	200	2.80		
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND						

Surrogate: 1-Chlorooctane 79.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	05/22/2023	Sampling Date:	05/22/2023
Reported:	05/25/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 3 NSW (H232583-08)

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	05/23/2023	ND	2.43	121	2.00	7.10	
Toluene*	<0.050	0.050	05/23/2023	ND	2.47	124	2.00	8.14	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.59	130	2.00	8.77	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	7.56	126	6.00	9.06	
Total BTEX	<0.300	0.300	05/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	05/23/2023	ND	416	104	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	05/23/2023	ND	163	81.3	200	3.48	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	162	81.0	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	05/22/2023	Sampling Date:	05/22/2023
Reported:	05/25/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 3 ESW (H232583-09)

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	05/23/2023	ND	2.43	121	2.00	7.10	
Toluene*	<0.050	0.050	05/23/2023	ND	2.47	124	2.00	8.14	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.59	130	2.00	8.77	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	7.56	126	6.00	9.06	
Total BTEX	<0.300	0.300	05/23/2023	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	05/23/2023	ND	416	104	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	05/23/2023	ND	163	81.3	200	3.48	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	162	81.0	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 80.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	05/22/2023	Sampling Date:	05/22/2023
Reported:	05/25/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 3 SSW (H232583-10)

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	05/23/2023	ND	2.43	121	2.00	7.10	
Toluene*	<0.050	0.050	05/23/2023	ND	2.47	124	2.00	8.14	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.59	130	2.00	8.77	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	7.56	126	6.00	9.06	
Total BTEX	<0.300	0.300	05/23/2023	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	32.0	16.0	05/23/2023	ND	416	104	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	05/23/2023	ND	163	81.3	200	3.48	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	162	81.0	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	05/22/2023	Sampling Date:	05/22/2023
Reported:	05/25/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 3 WSW (H232583-11)

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	05/23/2023	ND	2.17	109	2.00	10.4	
Toluene*	<0.050	0.050	05/23/2023	ND	2.22	111	2.00	8.69	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.13	107	2.00	9.34	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.64	111	6.00	8.72	
Total BTEX	<0.300	0.300	05/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	05/23/2023	ND	416	104	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	05/23/2023	ND	174	87.2	200	1.15	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	174	86.9	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	05/22/2023	Sampling Date:	05/22/2023
Reported:	05/25/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 4 COMP. (H232583-12)

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	05/23/2023	ND	2.17	109	2.00	10.4	
Toluene*	<0.050	0.050	05/23/2023	ND	2.22	111	2.00	8.69	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.13	107	2.00	9.34	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.64	111	6.00	8.72	
Total BTEX	<0.300	0.300	05/23/2023	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	05/23/2023	ND	416	104	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	05/23/2023	ND	174	87.2	200	1.15	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	174	86.9	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received: 05/22/2023
Reported: 05/25/2023
Project Name: FAT TIRE 12
Project Number: NOT GIVEN
Project Location: SPUR - EDDY COUNTY

Sampling Date: 05/22/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S - 4 NSW (H232583-13)

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	05/23/2023	ND	2.17	109	2.00	10.4	
Toluene*	<0.050	0.050	05/23/2023	ND	2.22	111	2.00	8.69	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.13	107	2.00	9.34	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.64	111	6.00	8.72	
Total BTEX	<0.300	0.300	05/23/2023	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	16.0	16.0	05/23/2023	ND	416	104	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	05/23/2023	ND	174	87.2	200	1.15	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	174	86.9	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 85.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	05/22/2023	Sampling Date:	05/22/2023
Reported:	05/25/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 4 ESW (H232583-14)

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	05/23/2023	ND	2.17	109	2.00	10.4	
Toluene*	<0.050	0.050	05/23/2023	ND	2.22	111	2.00	8.69	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.13	107	2.00	9.34	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.64	111	6.00	8.72	
Total BTEX	<0.300	0.300	05/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	05/23/2023	ND	416	104	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	05/23/2023	ND	174	87.2	200	1.15	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	174	86.9	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	05/22/2023	Sampling Date:	05/22/2023
Reported:	05/25/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 4 WSW (H232583-15)

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	05/23/2023	ND	2.17	109	2.00	10.4	
Toluene*	<0.050	0.050	05/23/2023	ND	2.22	111	2.00	8.69	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.13	107	2.00	9.34	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.64	111	6.00	8.72	
Total BTEX	<0.300	0.300	05/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	05/23/2023	ND	416	104	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	05/23/2023	ND	174	87.2	200	1.15	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	174	86.9	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	05/22/2023	Sampling Date:	05/22/2023
Reported:	05/25/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 5 COMP. (H232583-16)

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	05/23/2023	ND	2.17	109	2.00	10.4		
Toluene*	<0.050	0.050	05/23/2023	ND	2.22	111	2.00	8.69		
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.13	107	2.00	9.34		
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.64	111	6.00	8.72		
Total BTEX	<0.300	0.300	05/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	05/23/2023	ND	416	104	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	05/23/2023	ND	174	87.2	200	1.15		
DRO >C10-C28*	84.7	10.0	05/23/2023	ND	174	86.9	200	1.26		
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND						

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 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:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received: 05/22/2023
Reported: 05/25/2023
Project Name: FAT TIRE 12
Project Number: NOT GIVEN
Project Location: SPUR - EDDY COUNTY

Sampling Date: 05/22/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S - 5 NSW (H232583-17)

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	05/23/2023	ND	2.17	109	2.00	10.4	
Toluene*	<0.050	0.050	05/23/2023	ND	2.22	111	2.00	8.69	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.13	107	2.00	9.34	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.64	111	6.00	8.72	
Total BTEX	<0.300	0.300	05/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	05/23/2023	ND	448	112	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	05/23/2023	ND	174	87.2	200	1.15	
DRO >C10-C28*	183	10.0	05/23/2023	ND	174	86.9	200	1.26	
EXT DRO >C28-C36	16.2	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	05/22/2023	Sampling Date:	05/22/2023
Reported:	05/25/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 6 COMP. (H232583-18)

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	05/23/2023	ND	2.17	109	2.00	10.4	
Toluene*	<0.050	0.050	05/23/2023	ND	2.22	111	2.00	8.69	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.13	107	2.00	9.34	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.64	111	6.00	8.72	
Total BTEX	<0.300	0.300	05/23/2023	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	48.0	16.0	05/23/2023	ND	448	112	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	05/23/2023	ND	174	87.2	200	1.15	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	174	86.9	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	05/22/2023	Sampling Date:	05/22/2023
Reported:	05/25/2023	Sampling Type:	Soil
Project Name:	FAT TIRE 12	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 6 SSW (H232583-19)

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	05/23/2023	ND	2.17	109	2.00	10.4	
Toluene*	<0.050	0.050	05/23/2023	ND	2.22	111	2.00	8.69	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.13	107	2.00	9.34	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.64	111	6.00	8.72	
Total BTEX	<0.300	0.300	05/23/2023	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	64.0	16.0	05/23/2023	ND	448	112	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	05/23/2023	ND	174	87.2	200	1.15	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	174	86.9	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- 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



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: Spiva
 Project Name: Fall Tax 12
 Project Location: Eddie Courty
 Sampler Name: Jeremy March

P.O. #:
 Company: Spiva
 Attn: Broker
 Address:
 City:
 State: Zip:
 Phone #:
 Fax #:

MATRIX
 GROUNDWATER
 WASTEWATER
 SOIL
 OIL
 SLUDGE
 OTHER:
 ACID/BASE:
 ICE / COOL
 OTHER:
 PRESERV
 SAMPLING

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV	SAMPLING	DATE	TIME	IPH Ext.	BTEX	Chlorides
1033553	S-1 Comp.						05/22				
2	S-1 NSW										
3	S-1 ESW										
4	S-1 USW										
5	S-2 Comp.										
6	S-2 SSW										
7	S-3 Comp.										
8	S-3 NSW										
9	S-3 ESW										
10	S-3 SSW										

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Relinquished By: [Signature]
 Date: 05/22
 Time: 14:00
 Received By: [Signature]
 Date: 05/22
 Time: 14:00

Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 REMARKS: Email results to Chris Jones

Delivered By: (Circle One) - 0.9g CO2
 Sampler - UPS - Bus - Other: -1.5- #113
 Sample Condition: Cool Intact Yes No
 Checked By: [Signature]

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



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 Owner: SPVZ Project Name: Fall Five 12 Project Location: Eddy County Sampler Name: Beverly Wandy FOR LAB USE ONLY		BILL TO P.O. #: Company: SPVZ Attn: Bradley Wolder Address: City: State: Zip: Phone #: Fax #:	
Lab I.D. H333583		ANALYSIS REQUEST	
Sample I.D. 11 S-3 WSW 12 S-4 Comp. 13 S-4 NSW 14 S-4 ESW 15 S-4 WSW 16 S-5 Comp. 17 S-5 NSW 18 S-6 Comp. 19 S-6 SW	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	DATE 5/12	TIME 1:15 PM Ext. BTEX Chlorides
Relinquished By: <i>[Signature]</i> Date: 5/12 Time:		Received By: <i>[Signature]</i> Date: 5/12 Time:	
Delivered By: (Circle One) <u>0915COU</u> Sampler - UPS - Bus - Other: <u>15: #113</u>		CHECKED BY: <i>[Signature]</i> Sample Condition: Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Relinquished By: <i>[Signature]</i> Date: 5/12 Time:		Received By: <i>[Signature]</i> Date: 5/12 Time:	
REMARKS: Email results to Chris Jones.		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Add'l Fax #:	



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

June 02, 2023

CASON SPURLOCK
PARAGON ENVIROMENTAL
5002 CARRAIGE RD
HOBBS, NM 88242

RE: FAT TIRE 12

Enclosed are the results of analyses for samples received by the laboratory on 06/01/23 8:48.

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".

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received: 06/01/2023
 Reported: 06/02/2023
 Project Name: FAT TIRE 12
 Project Number: NOT GIVEN
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 05/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 5 - NSW (H232771-01)

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	06/01/2023	ND	161	80.6	200	1.79	
DRO >C10-C28*	<10.0	10.0	06/01/2023	ND	166	83.1	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	06/01/2023	ND					
<hr/>									
Surrogate: 1-Chlorooctane	84.3 %	48.2-134							
Surrogate: 1-Chlorooctadecane	98.2 %	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



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

Project #:

Project Name: Fat Tire 12

Project Location: Eddy County

Sampler Name: Security Monitor

FOR LAB USE ONLY

P.O. #:

Company: SPURZ

Attn: Prudery Wolder

Address:

City:

State: zip:

Fax #:

Phone #:

Lab I.D. Sample I.D.

H2338771 / 305 - NSW

(G)RAB OR (C)OMP.
CONTAINERS
GROUNDWATER
WASTEWATER
SOIL <input checked="" type="checkbox"/>
OIL
SLUDGE
OTHER :
ACID/BASE:
ICE / COOL <input checked="" type="checkbox"/>
OTHER :

DATE 05/18/1

TIME

TPH Ext

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Relinquished By: [Signature]

Received By: [Signature]

Date: 05/18/01

Time:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other: 0.6c / 0.0c

Sample Condition: #113

CHECKED BY: [Signature]
REMARKS: Email results to Chris Jones

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

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

CONDITIONS

Action 231121

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 231121
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2300332370 FAT TIRE 12 FEDERAL TANK BATTERY, thank you. This closure is approved.	11/22/2023