



March 20th, 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
Foster Eddy Battery
API No. N/A
GPS: Latitude 32.83435 Longitude -103.89111
UL "J", Sec. 17, T17S, R31E
Eddy County, NM
NMOCD Ref. No. nAPP2123028668

Paragon Environmental, LLC (Paragon) has been contracted by Spur Energy Partners (Spur) to perform a spill assessment, conduct remediation activities, and reclaim the old containment area for the release site known as the Foster Eddy Tank Battery (Foster Eddy). Details of the release are summarized below:

Release Details			
Type of Release:	Crude Oil	Volume of Release:	15 bbls
		Volume Recovered:	5 bbls
Source of Release:	Vent Line	Date of Release:	08/5/21
Was Immediate Notice Given?	No	If, Yes, to Whom?	N/A
Was a Watercourse Reached?	No	If Yes, Volume Impacting Watercourse:	N/A
Surface Owner:	State	Mineral Owner:	State
A 2" vent line coming from the vessels ruptured causing the release.			

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, private, or domestic freshwater 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 there was NO water data within a ½ mile radius. With this being the case, we cleaned it up to the most stringent criteria.

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). The soil in this area is made up of both Kermit-Berino fine sands and Largo Loam, with 0 to 5 percent slopes, according to the United States Department of Agriculture Natural Resources Conservation Service. The drainage courses in this area are both excessively-drained and well-drained. There is NOT a high potential for karst geology to be present around the Foster Eddy (Figure #3).

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

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

INITIAL SITE ASSESSMENT

On October 13, 2022, Paragon conducted an initial site assessment. During the initial site assessment, it was determined to gather samples in the area where the spill had run off of the liner and onto the pad and down the road. Ten (10) soil samples were collected in this area in an effort to determine the vertical extent of soil impact. These samples were collected in accordance with NMAC 19.15.29 and submitted to an approved laboratory for analysis. A table summarizing laboratory analytical results from soil samples collected during the above-stated activities is provided below:

10-13-22 Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC								
Sample Date: 10-13-22		Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg				Closure Criteria 100 mg/kg	Closure Criteria 500 mg/kg
Sample ID	Depth (BGS)	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
S-1	0-6"	ND	ND	27.5	8780	1970	10777.5	176
	1'	ND	ND	ND	133	26.8	159.8	224
	2'	ND	ND	ND	11.3	ND	11.3	64
S-2	0-6"	ND	ND	ND	ND	ND	0	96
	1'	ND	ND	10.1	9520	2950	12470	128
	2'	ND	ND	ND	29.2	ND	29.2	64
S-3	0-6"	ND	ND	ND	1210	418	1628	96
	1'	ND	ND	ND	5190	1860	7050	96
	2'	ND	ND	ND	ND	ND	0	336
S-4	0-6"	ND	ND	ND	ND	ND	0	224
	1'	ND	ND	ND	59.4	13.8	73.2	144
	2'	ND	ND	ND	ND	ND	0	208
S-5	0-6"	ND	ND	ND	ND	ND	0	240
	1'	ND	ND	ND	26.8	ND	26.8	1380
	2'	ND	ND	ND	ND	ND	0	480
S-6	0-6"	ND	ND	ND	ND	ND	0	176
	1'	ND	ND	ND	1560	464	2024	128
	2'	ND	ND	ND	ND	ND	0	256
S-7	0-6"	ND	ND	ND	ND	ND	0	112
	1'	ND	ND	ND	844	221	1065	256
	2'	ND	ND	ND	ND	ND	0	256
S-8	0-6"	ND	ND	ND	106	51.3	157.3	80
	1'	ND	ND	ND	1990	624	2614	480
	2'	ND	ND	ND	ND	ND	0	64
S-9	0-6"	ND	ND	ND	ND	ND	0	48
	1'	ND	ND	ND	11.1	ND	11.1	64
	2'	ND	ND	ND	22.8	19.7	42.5	80
S-10	0-6"	ND	ND	ND	454	181	635	1120
	1'	ND	ND	ND	224	84.5	308.5	784
	2'	ND	ND	ND	ND	ND	0	64

(ND) - Analyte Not Detected

A Site Map & Sample Maps are provided in Figures #1 and #5.

REMEDIATION ACTIVITIES

On January 16, 2023, Paragon mobilized personnel and heavy equipment to conduct remedial activities. Based on the site characteristics and field observations made during the site assessment, the following details the remedial activities we conducted to advance the Release Site toward an NMOCD-approved site closure.

Our remediation began on the northwest end of the road and was brought all the way down to where the spill ended. This area is represented by samples S-1 through S-8. This area was excavated to a depth of 2 feet BGS. Email notification was sent to the NMOCD, and confirmation bottom, and sidewall samples were obtained. The results of this sampling event are in the following data table.

We utilized 5-point bottom composite sampling and sidewall 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:

1-23-23 Confirmation Samples (Road Area)

NMOCD Table 1 Closure Criteria 19.15.29 NMAC								
Sample Date 1-23-23		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 Comp	2'	--	--	ND	ND	ND	0	--
S-2 Comp	2'	--	--	ND	ND	ND	0	--
S-3 Comp	2'	--	--	ND	66.4	11.8	78.2	--
S-4 Comp	2'	--	--	ND	30.8	ND	30.8	--
S-5 Comp	2'	--	--	--	--	--	--	144
S-6 Comp	2'	--	--	ND	ND	ND	0	--
S-7 Comp	2'	--	--	ND	44.9	ND	44.9	--
S-8 Comp	2'	--	--	ND	ND	ND	0	--
WSW Comp	2'	ND	ND	ND	ND	ND	0	32
ESW Comp	2'	ND	ND	ND	ND	ND	0	16
SSW 1	2'	ND	ND	ND	ND	ND	0	ND
SSW 2	2'	ND	ND	10.8	ND	ND	0	48
SSW 3	2'	ND	ND	ND	ND	ND	0	48
SSW 4	2'	ND	ND	ND	ND	ND	0	32
SSW 5	2'	ND	ND	ND	ND	ND	0	48
SSW 6	2'	ND	ND	ND	ND	ND	0	48
SSW 7	2'	ND	ND	ND	ND	ND	0	ND
SSW 8	2'	ND	ND	ND	ND	ND	0	16
NSW 1	2'	ND	ND	ND	ND	ND	0	ND
NSW 2	2'	ND	ND	ND	ND	ND	0	48
NSW 3	2'	ND	ND	ND	ND	ND	0	16
NSW 4	2'	ND	ND	16	ND	ND	16	16
NSW 5	2'	ND	ND	ND	ND	ND	0	48
NSW 6	2'	ND	ND	ND	ND	ND	0	32
NSW 7	2'	ND	ND	ND	ND	ND	0	32
NSW 8	2'	ND	ND	ND	228	62	290	32

(ND) Analyte Not Detected / (--) Analyte Not Tested

Upon receiving these sample results, additional material was removed from the area of NSW 8. Backfilling efforts began at S-1 and extended to the end of the excavation. It was later realized the additional NSW 8 sample was missed and was obtained towards the end of the project.

Remediation efforts then began on-pad in the vicinity of S-9 and S-10 and extended into the containment area, which was later labeled and identified as S-12 to S-14.

We then emailed the NMOCD, giving them a 48-hour notification that we would obtain confirmation samples. We utilized 5-point bottom composite sampling and sidewall 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.

The excavated soils were loaded into trucks and transported to Lea Land, an NMOCD-approved waste disposal facility. The excavated areas were backfilled with “like” material obtained from Lea Land. The affected area was then contoured and machine-compacted to match the surrounding grade.

1-30-22 Confirmation Samples (On-Pad Area)

NMOCD Table 1 Closure Criteria 19.15.29 NMAC								
Sample Date 1-30-23		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-9 Comp	2'	0.294	0.109	ND	ND	ND	0	208
S-10 Comp	2'	ND	ND	ND	ND	ND	0	160
S-11 Comp	2'	ND	ND	ND	ND	ND	0	320
S-12 Comp	2'	ND	ND	ND	ND	ND	0	112
S-13 Comp	2'	ND	ND	ND	ND	ND	0	272
S-14 Comp	2'	0.226	0.058	ND	ND	ND	0	288
SSW (On-Pad Area)	2'	ND	ND	ND	ND	ND	0	304
NSW (On-Pad Area)	2'	ND	ND	ND	ND	ND	0	304
ESW (On-Pad Area)	2	ND	ND	ND	ND	ND	0	160
WSW (On-Pad Area)	2'	ND	ND	ND	ND	ND	0	336

2-15-23 Confirmation Samples (Road Area)

NMOCD Table 1 Closure Criteria 19.15.29 NMAC								
Sample Date 2-15-23		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
NSW 8	2'	ND	ND	ND	ND	ND	0	32

(ND) Analyte Not Detected

CLOSURE REQUEST

After careful review, Paragon requests that the incident, nAPP2123028668, be closed. Spur has complied with the applicable closure requirements outlined in rule 19.15.19.12 NMAC.

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

Respectfully,



Tristan Jones
Project 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 – Photographic Documentation & Email Notification
- Appendix E – Laboratory Reports



Figures:

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

Spur Energy Partners




Foster Eddy Tank Battery
Eddy County, NM
Site Map

Google Earth

Released to Imaging: 4/26/2023 12:19:45 PM



Legend

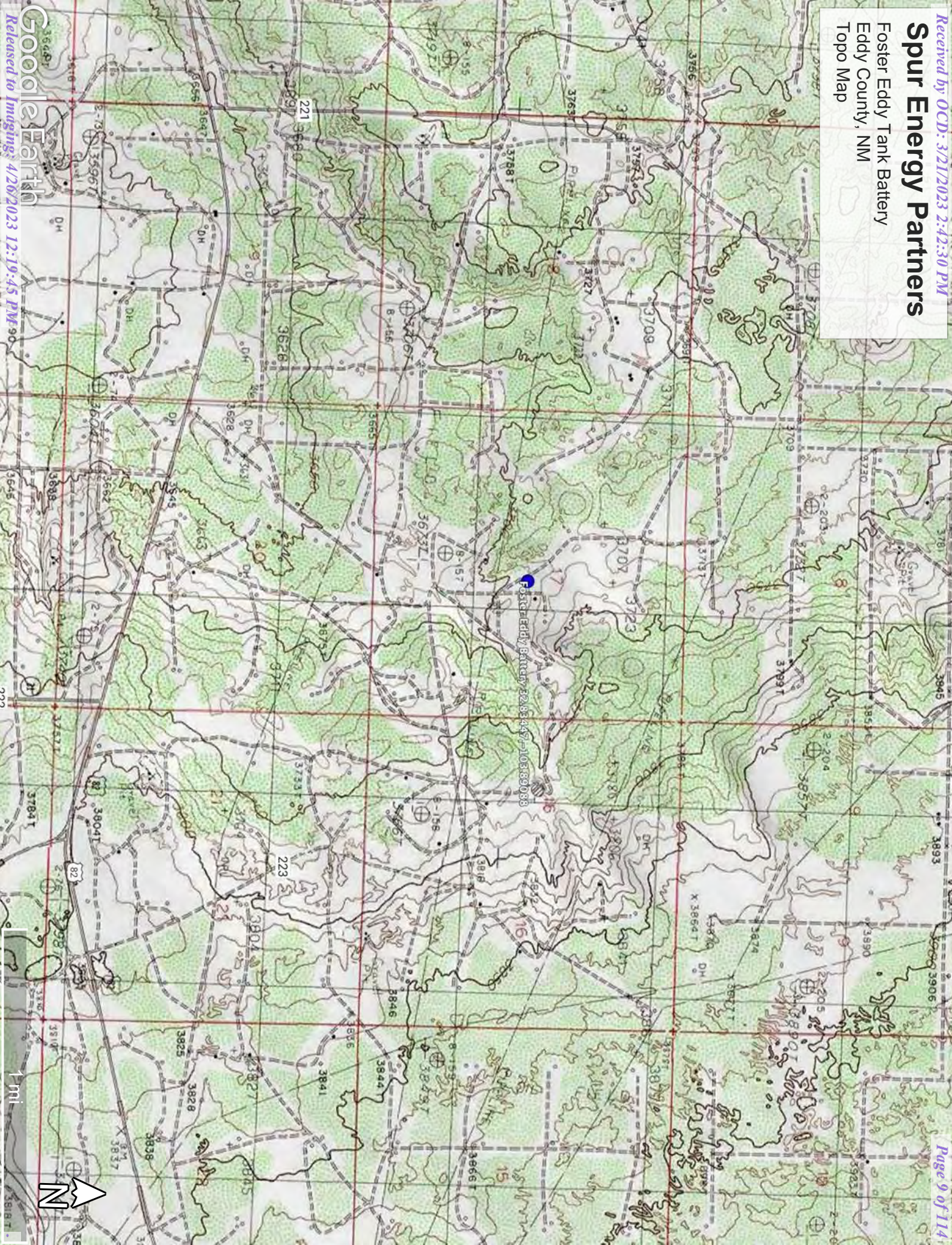
-  Overspray
-  Samples
-  Spill Area

Spur Energy Partners

Foster Eddy Tank Battery
Eddy County, NM
Topo Map

Google Earth

Released to Imaging: 4/26/2023 12:19:45 PM 90

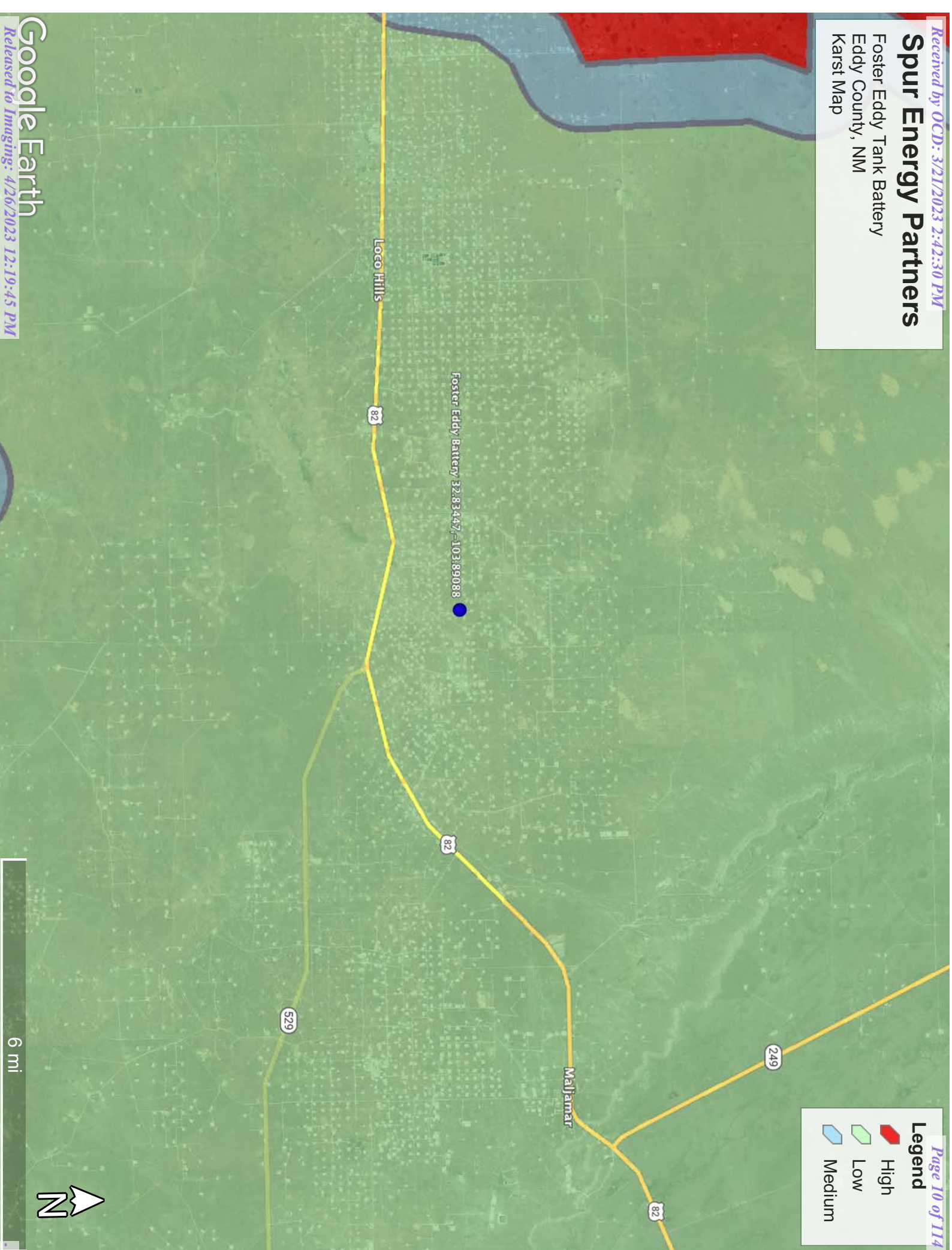


Spur Energy Partners

Foster Eddy Tank Battery
Eddy County, NM
Karst Map

Legend

- High
- Low
- Medium



Spur Energy Partners

Foster Eddy Tank Battery
Eddy County, NM
Aerial Map

Legend

- Foster Eddy Battery 32.83447, -103.89088



Pur Energy Partners

Foster Eddy Battery #10

API N/A

Eddy County, NM

Confirmation Sample Map

Released to: Kingdome: 4/26/2023 12:19:45 PM

Foster Eddy Battery 32.83447, -103.89088

Legend

- Foster Eddy Battery 32.83447, -103.89088
- Overspray
- Spill Area

Received by OCD: 3/21/2023 2:42:30 PM





Appendix A
Referenced Water Data:

New Mexico State of Engineers Office

2/10/23, 10:49 AM

nmwrrs.ose.state.nm.us/nmwrrs/ReportProxy?queryData=%7B%22report%3A%22waterColumn%2C%0A%22BasinDiv%3A%22false%2C%0A%22UsageDiv%3A%22false%2C%0A%22WaterColumn%3A%22RA%22%7D



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 13235 POD1		RA	ED	1	1	1	21	17S	31E	604631	3632537	1253	102		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 603805.612

Northing (Y): 3633480.66

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.

2/10/23 10:48 AM

WATER COLUMN/ AVERAGE DEPTH TO
WATER



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

Map Unit Description: Largo loam, 1 to 5 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

LA—Largo loam, 1 to 5 percent slopes

Map Unit Setting

National map unit symbol: 1w4y

Elevation: 2,000 to 5,700 feet

Mean annual precipitation: 6 to 14 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 260 days

Farmland classification: Not prime farmland

Map Unit Composition

Largo and similar soils: 98 percent

Minor components: 2 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Largo

Setting

Landform: Plains, alluvial fans

Landform position (three-dimensional): Talf, rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Calcareous alluvium

Typical profile

H1 - 0 to 4 inches: loam

H2 - 4 to 47 inches: silt loam

H3 - 47 to 65 inches: loam

Properties and qualities

Slope: 1 to 5 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water

(Ksat): Moderately high (0.20 to 0.60 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 15 percent

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

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: High (about 10.0 inches)

Interpretive groups

Land capability classification (irrigated): 3e

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: B

Map Unit Description: Largo loam, 1 to 5 percent slopes---Eddy Area, New Mexico

Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Minor Components

Largo

Percent of map unit: 1 percent
Ecological site: R070BC017NM - Bottomland
Hydric soil rating: No

Pajarito

Percent of map unit: 1 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Data Source Information

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




National Flood Hazard Layer FIRMette

103°53'46"W 32°50'19"N















Legend




SEE THIS 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
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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
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OTHER AREAS	 Area of Minimal Flood Hazard Zone X  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
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MAP PANELS	 Digital Data Available  No Digital Data Available  Unmapped
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 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 2/8/2023 at 1:03 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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





Appendix C:

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	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

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

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

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 type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (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

Incident ID	
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 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 type="checkbox"/> The source of the release has been stopped.	
<input type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input 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:	
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: _____	Title: _____
Signature:  _____	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: <u>Ramona Marcus</u>	Date: <u>8/20/2021</u>

Inputs in **blue**, Outputs in **red**

Length(Ft)	Width(Ft)	Depth(In)
<u>67.000</u>	<u>45.000</u>	<u>4.500</u>
Cubic Feet Impacted		<u>1130.625</u>
Barrels		<u>201.36</u>
Soil Type		Clay
Bbls Assuming 100% Saturation		<u>20.14</u>
Saturation	Fluid present when squeezed	
Estimated Barrels Released		10.10000

Instructions

1. Input spill measurements below. Length and width need to be input in feet and depth in inches.
2. Select a soil type from the drop down menu.
3. Select a saturation level from the drop down menu.

(For data gathering instructions see appendix tab)

Measurements

Length (ft)	67
Width (ft)	45
Depth (in)	4.5

Inputs in Outputs in

Length(Ft)	Width(Ft)	Depth(In)
532.000	17.000	0.750
Cubic Feet Impacted		565.250
Barrels		100.67
Soil Type		Clay
Bbls Assuming 100% Saturation		10.07
Saturation	Fluid present when squeezed	
Estimated Barrels Released		5.10000

Instructions

1. Input spill measurements below. Length and width need to be input in feet and depth in inches.
2. Select a soil type from the drop down menu.
3. Select a saturation level from the drop down menu.

(For data gathering instructions see appendix tab)

Measurements

Length (ft)	532
Width (ft)	17
Depth (in)	0.75

State of New Mexico
Oil Conservation Division

Form C-141

Incident ID	NAPP2123028668
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 ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

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

Incident ID	NAPP2123028668
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: 03/21/2023

email: katherine.purvis@spurenergy.com

Telephone: 575-441-8619

OCD Only

Received by: Jocelyn Harimon

Date: 03/21/2023

Incident ID	NAPP2123028668
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: 03/21/2023

email: katherine.purvis@spurenergy.com

Telephone: 575-441-8619

OCD Only

Received by: Jocelyn Harimon

Date: 03/21/2023

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: Jennifer Nobui

Date: 04/26/2023

Printed Name: Jennifer Nobui

Title: Environmental Specialist A



Appendix D:

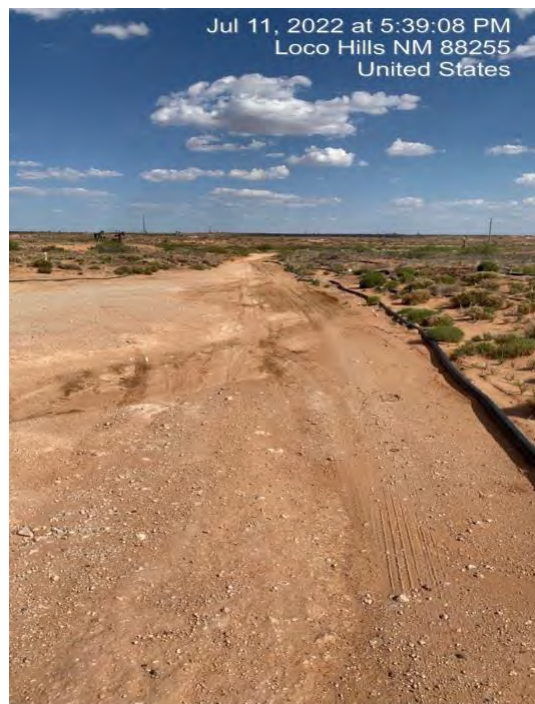
Photographic Documentation

Email Notification



Photographic Documentation

Before Remediation





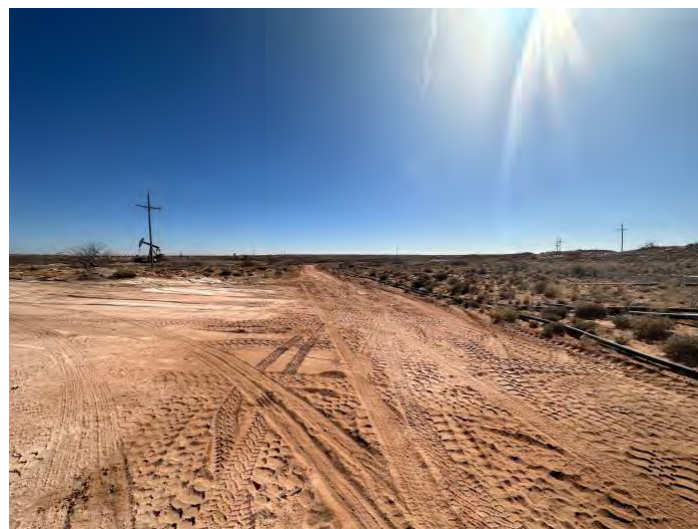
Photographic Documentation





Photographic Documentation

Post Remediation



Monday, March 20, 2023 at 18:16:00 Mountain Daylight Time

Subject: RE: [EXTERNAL] 48 Notice
Date: Thursday, January 19, 2023 at 9:32:58 AM Mountain Standard Time
From: Harimon, Jocelyn, EMNRD
To: Angel Pena, Bratcher, Michael, EMNRD, Chris Jones, Hamlet, Robert, EMNRD, Nobui, Jennifer, EMNRD, Tristan Jones
Attachments: image001.jpg

Angel,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

JH

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrn.nm.gov
[http:// www.emnrn.nm.gov](http://www.emnrn.nm.gov)



From: Angel Pena <angel@paragonenvironmental.net>
Sent: Thursday, January 19, 2023 9:30 AM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrn.nm.gov>; Chris Jones <chris@paragonenvironmental.net>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrn.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrn.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrn.nm.gov>; Tristan Jones <tristan@paragonenvironmental.net>
Subject: [EXTERNAL] 48 Notice

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

All,

This is to inform you all we will be collecting confirmation samples at the Foster Eddy TB, 01-23-23 at 12:00 AM . If you have any questions or concerns, please let me know.

Thank You,

Angel Peña
575-605-0773
Paragon Environmental LLC.



Appendix E:
Laboratory Results



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

January 27, 2023

CASON SPURLOCK

PARAGON ENVIROMENTAL

5002 CARRAIGE RD

HOBBS, NM 88242

RE: FOSTER EDDY BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/24/23 15:36.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

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:	01/24/2023	Sampling Date:	01/23/2023
Reported:	01/27/2023	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S - 1 COMP (H230339-01)

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	01/25/2023	ND	195	97.7	200	0.517	
DRO >C10-C28*	<10.0	10.0	01/25/2023	ND	221	110	200	3.80	
EXT DRO >C28-C36	<10.0	10.0	01/25/2023	ND					
<hr/>									
Surrogate: 1-Chlorooctane	92.8 %	48.2-134							
Surrogate: 1-Chlorooctadecane	108 %	49.1-148							

Sample ID: S - 2 COMP (H230339-02)

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	01/25/2023	ND	195	97.7	200	0.517	
DRO >C10-C28*	<10.0	10.0	01/25/2023	ND	221	110	200	3.80	
EXT DRO >C28-C36	<10.0	10.0	01/25/2023	ND					
<hr/>									
Surrogate: 1-Chlorooctane	90.6 %	48.2-134							
Surrogate: 1-Chlorooctadecane	105 %	49.1-148							

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/24/2023	Sampling Date:	01/23/2023
Reported:	01/27/2023	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S - 3 COMP (H230339-03)

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	01/25/2023	ND	195	97.7	200	0.517	
DRO >C10-C28*	66.4	10.0	01/25/2023	ND	221	110	200	3.80	
EXT DRO >C28-C36	11.8	10.0	01/25/2023	ND					
Surrogate: 1-Chlorooctane	91.9 %	48.2-134							
Surrogate: 1-Chlorooctadecane	109 %	49.1-148							

Sample ID: S - 4 COMP (H230339-04)

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	01/25/2023	ND	195	97.7	200	0.517	
DRO >C10-C28*	30.8	10.0	01/25/2023	ND	221	110	200	3.80	
EXT DRO >C28-C36	<10.0	10.0	01/25/2023	ND					
Surrogate: 1-Chlorooctane	93.4 %	48.2-134							
Surrogate: 1-Chlorooctadecane	110 %	49.1-148							

Sample ID: S - 5 COMP (H230339-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	01/25/2023	ND	432	108	400	0.00		

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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:	01/24/2023	Sampling Date:	01/23/2023
Reported:	01/27/2023	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S - 6 COMP (H230339-06)

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	01/25/2023	ND	212	106	200	2.02		
DRO >C10-C28*	<10.0	10.0	01/25/2023	ND	215	108	200	1.89		
EXT DRO >C28-C36	<10.0	10.0	01/25/2023	ND						
<hr/>										
Surrogate: 1-Chlorooctane	92.8 %	48.2-134								
Surrogate: 1-Chlorooctadecane	93.0 %	49.1-148								

Sample ID: S - 7 COMP (H230339-07)

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	01/25/2023	ND	212	106	200	2.02		
DRO >C10-C28*	44.9	10.0	01/25/2023	ND	215	108	200	1.89		
EXT DRO >C28-C36	<10.0	10.0	01/25/2023	ND						
<hr/>										
Surrogate: 1-Chlorooctane	92.4 %	48.2-134								
Surrogate: 1-Chlorooctadecane	96.7 %	49.1-148								

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/24/2023	Sampling Date:	01/23/2023
Reported:	01/27/2023	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S - 8 COMP (H230339-08)

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	01/25/2023	ND	212	106	200	2.02	
DRO >C10-C28*	<10.0	10.0	01/25/2023	ND	215	108	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	01/25/2023	ND					
Surrogate: 1-Chlorooctane	91.1 %	48.2-134							
Surrogate: 1-Chlorooctadecane	91.9 %	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:	01/24/2023	Sampling Date:	01/23/2023
Reported:	01/27/2023	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: WSW - COMP (H230339-09)

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	01/25/2023	ND	2.01	100	2.00	1.87		
Toluene*	<0.050	0.050	01/25/2023	ND	2.07	104	2.00	1.86		
Ethylbenzene*	<0.050	0.050	01/25/2023	ND	2.00	100	2.00	3.35		
Total Xylenes*	<0.150	0.150	01/25/2023	ND	6.20	103	6.00	2.86		
Total BTEx	<0.300	0.300	01/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	01/25/2023	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	01/25/2023	ND	212	106	200	2.02	
DRO >C10-C28*	<10.0	10.0	01/25/2023	ND	215	108	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	01/25/2023	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 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:	01/24/2023	Sampling Date:	01/23/2023
Reported:	01/27/2023	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: ESW - COMP (H230339-10)

BTX 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	01/25/2023	ND	2.01	100	2.00	1.87		
Toluene*	<0.050	0.050	01/25/2023	ND	2.07	104	2.00	1.86		
Ethylbenzene*	<0.050	0.050	01/25/2023	ND	2.00	100	2.00	3.35		
Total Xylenes*	<0.150	0.150	01/25/2023	ND	6.20	103	6.00	2.86		
Total BTX	<0.300	0.300	01/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	01/25/2023	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	01/25/2023	ND	212	106	200	2.02	
DRO >C10-C28*	<10.0	10.0	01/25/2023	ND	215	108	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	01/25/2023	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 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:	01/24/2023	Sampling Date:	01/23/2023
Reported:	01/27/2023	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: SSW - 1 (H230339-11)

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	01/25/2023	ND	2.06	103	2.00	10.4	
Toluene*	<0.050	0.050	01/25/2023	ND	2.06	103	2.00	9.24	
Ethylbenzene*	<0.050	0.050	01/25/2023	ND	2.04	102	2.00	9.48	
Total Xylenes*	<0.150	0.150	01/25/2023	ND	6.18	103	6.00	9.98	
Total BTEX	<0.300	0.300	01/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/25/2023	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	01/25/2023	ND	212	106	200	2.02	
DRO >C10-C28*	<10.0	10.0	01/25/2023	ND	215	108	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	01/25/2023	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 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:	01/24/2023	Sampling Date:	01/23/2023
Reported:	01/27/2023	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: SSW - 2 (H230339-12)

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	01/25/2023	ND	2.06	103	2.00	10.4		
Toluene*	<0.050	0.050	01/25/2023	ND	2.06	103	2.00	9.24		
Ethylbenzene*	<0.050	0.050	01/25/2023	ND	2.04	102	2.00	9.48		
Total Xylenes*	<0.150	0.150	01/25/2023	ND	6.18	103	6.00	9.98		
Total BTEx	<0.300	0.300	01/25/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/25/2023	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*	10.8	10.0	01/25/2023	ND	212	106	200	2.02	
DRO >C10-C28*	<10.0	10.0	01/25/2023	ND	215	108	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	01/25/2023	ND					

Surrogate: 1-Chlorooctane 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.2 % 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:	01/24/2023	Sampling Date:	01/23/2023
Reported:	01/27/2023	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: SSW - 3 (H230339-13)

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	01/25/2023	ND	2.06	103	2.00	10.4		
Toluene*	<0.050	0.050	01/25/2023	ND	2.06	103	2.00	9.24		
Ethylbenzene*	<0.050	0.050	01/25/2023	ND	2.04	102	2.00	9.48		
Total Xylenes*	<0.150	0.150	01/25/2023	ND	6.18	103	6.00	9.98		
Total BTEx	<0.300	0.300	01/25/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/25/2023	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	01/25/2023	ND	212	106	200	2.02	
DRO >C10-C28*	<10.0	10.0	01/25/2023	ND	215	108	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	01/25/2023	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 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:	01/24/2023	Sampling Date:	01/23/2023
Reported:	01/27/2023	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: SSW - 4 (H230339-14)

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	01/25/2023	ND	2.06	103	2.00	10.4		
Toluene*	<0.050	0.050	01/25/2023	ND	2.06	103	2.00	9.24		
Ethylbenzene*	<0.050	0.050	01/25/2023	ND	2.04	102	2.00	9.48		
Total Xylenes*	<0.150	0.150	01/25/2023	ND	6.18	103	6.00	9.98		
Total BTEx	<0.300	0.300	01/25/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/25/2023	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	01/25/2023	ND	212	106	200	2.02	
DRO >C10-C28*	<10.0	10.0	01/25/2023	ND	215	108	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	01/25/2023	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.3 % 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:	01/24/2023	Sampling Date:	01/23/2023
Reported:	01/27/2023	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: SSW - 5 (H230339-15)

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	01/25/2023	ND	2.06	103	2.00	10.4		
Toluene*	<0.050	0.050	01/25/2023	ND	2.06	103	2.00	9.24		
Ethylbenzene*	<0.050	0.050	01/25/2023	ND	2.04	102	2.00	9.48		
Total Xylenes*	<0.150	0.150	01/25/2023	ND	6.18	103	6.00	9.98		
Total BTEX	<0.300	0.300	01/25/2023	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	48.0	16.0	01/25/2023	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	01/25/2023	ND	212	106	200	2.02	
DRO >C10-C28*	<10.0	10.0	01/25/2023	ND	215	108	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	01/25/2023	ND					

Surrogate: 1-Chlorooctane 94.2 % 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:	01/24/2023	Sampling Date:	01/23/2023
Reported:	01/27/2023	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: SSW - 6 (H230339-16)

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	01/25/2023	ND	2.06	103	2.00	10.4		
Toluene*	<0.050	0.050	01/25/2023	ND	2.06	103	2.00	9.24		
Ethylbenzene*	<0.050	0.050	01/25/2023	ND	2.04	102	2.00	9.48		
Total Xylenes*	<0.150	0.150	01/25/2023	ND	6.18	103	6.00	9.98		
Total BTEX	<0.300	0.300	01/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/25/2023	ND	416	104	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	01/25/2023	ND	212	106	200	2.02	
DRO >C10-C28*	<10.0	10.0	01/25/2023	ND	215	108	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	01/25/2023	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.3 % 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:	01/24/2023	Sampling Date:	01/23/2023
Reported:	01/27/2023	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: SSW - 7 (H230339-17)

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	01/25/2023	ND	2.06	103	2.00	10.4		
Toluene*	<0.050	0.050	01/25/2023	ND	2.06	103	2.00	9.24		
Ethylbenzene*	<0.050	0.050	01/25/2023	ND	2.04	102	2.00	9.48		
Total Xylenes*	<0.150	0.150	01/25/2023	ND	6.18	103	6.00	9.98		
Total BTEX	<0.300	0.300	01/25/2023	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	<16.0	16.0	01/25/2023	ND	416	104	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	01/25/2023	ND	212	106	200	2.02	
DRO >C10-C28*	<10.0	10.0	01/25/2023	ND	215	108	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	01/25/2023	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/24/2023	Sampling Date:	01/23/2023
Reported:	01/27/2023	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: SSW - 8 (H230339-18)

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	01/25/2023	ND	2.06	103	2.00	10.4	
Toluene*	<0.050	0.050	01/25/2023	ND	2.06	103	2.00	9.24	
Ethylbenzene*	<0.050	0.050	01/25/2023	ND	2.04	102	2.00	9.48	
Total Xylenes*	<0.150	0.150	01/25/2023	ND	6.18	103	6.00	9.98	
Total BTEx	<0.300	0.300	01/25/2023	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	01/25/2023	ND	416	104	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	01/25/2023	ND	212	106	200	2.02	
DRO >C10-C28*	<10.0	10.0	01/25/2023	ND	215	108	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	01/25/2023	ND					

Surrogate: 1-Chlorooctane 87.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 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:	01/24/2023	Sampling Date:	01/23/2023
Reported:	01/27/2023	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: NSW - 1 (H230339-19)

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	01/25/2023	ND	2.06	103	2.00	10.4		
Toluene*	<0.050	0.050	01/25/2023	ND	2.06	103	2.00	9.24		
Ethylbenzene*	<0.050	0.050	01/25/2023	ND	2.04	102	2.00	9.48		
Total Xylenes*	<0.150	0.150	01/25/2023	ND	6.18	103	6.00	9.98		
Total BTEx	<0.300	0.300	01/25/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/25/2023	ND	416	104	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	01/25/2023	ND	212	106	200	2.02	
DRO >C10-C28*	<10.0	10.0	01/25/2023	ND	215	108	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	01/25/2023	ND					

Surrogate: 1-Chlorooctane 92.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

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Analytical Results For:

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

Received:	01/24/2023	Sampling Date:	01/23/2023
Reported:	01/27/2023	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: NSW - 2 (H230339-20)

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	01/25/2023	ND	2.06	103	2.00	10.4		
Toluene*	<0.050	0.050	01/25/2023	ND	2.06	103	2.00	9.24		
Ethylbenzene*	<0.050	0.050	01/25/2023	ND	2.04	102	2.00	9.48		
Total Xylenes*	<0.150	0.150	01/25/2023	ND	6.18	103	6.00	9.98		
Total BTEx	<0.300	0.300	01/25/2023	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	48.0	16.0	01/25/2023	ND	416	104	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	01/25/2023	ND	212	106	200	2.02	
DRO >C10-C28*	<10.0	10.0	01/25/2023	ND	215	108	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	01/25/2023	ND					

Surrogate: 1-Chlorooctane 89.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 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:	01/24/2023	Sampling Date:	01/23/2023
Reported:	01/27/2023	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: NSW - 3 (H230339-21)

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	01/25/2023	ND	2.06	103	2.00	10.4		
Toluene*	<0.050	0.050	01/25/2023	ND	2.06	103	2.00	9.24		
Ethylbenzene*	<0.050	0.050	01/25/2023	ND	2.04	102	2.00	9.48		
Total Xylenes*	<0.150	0.150	01/25/2023	ND	6.18	103	6.00	9.98		
Total BTEx	<0.300	0.300	01/25/2023	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	01/25/2023	ND	416	104	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	01/25/2023	ND	212	106	200	2.02	
DRO >C10-C28*	<10.0	10.0	01/25/2023	ND	215	108	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	01/25/2023	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.1 % 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:	01/24/2023	Sampling Date:	01/23/2023
Reported:	01/27/2023	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: NSW - 4 (H230339-22)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/25/2023	ND	2.06	103	2.00	10.4		
Toluene*	<0.050	0.050	01/25/2023	ND	2.06	103	2.00	9.24		
Ethylbenzene*	<0.050	0.050	01/25/2023	ND	2.04	102	2.00	9.48		
Total Xylenes*	<0.150	0.150	01/25/2023	ND	6.18	103	6.00	9.98		
Total BTEX	<0.300	0.300	01/25/2023	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	16.0	16.0	01/25/2023	ND	416	104	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*	16.0	10.0	01/25/2023	ND	212	106	200	2.02	
DRO >C10-C28*	<10.0	10.0	01/25/2023	ND	215	108	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	01/25/2023	ND					

Surrogate: 1-Chlorooctane 93.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.3 % 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:	01/24/2023	Sampling Date:	01/23/2023
Reported:	01/27/2023	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: NSW - 5 (H230339-23)

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	01/25/2023	ND	2.06	103	2.00	10.4		
Toluene*	<0.050	0.050	01/25/2023	ND	2.06	103	2.00	9.24		
Ethylbenzene*	<0.050	0.050	01/25/2023	ND	2.04	102	2.00	9.48		
Total Xylenes*	<0.150	0.150	01/25/2023	ND	6.18	103	6.00	9.98		
Total BTEx	<0.300	0.300	01/25/2023	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	48.0	16.0	01/25/2023	ND	416	104	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	01/25/2023	ND	212	106	200	2.02	
DRO >C10-C28*	<10.0	10.0	01/25/2023	ND	215	108	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	01/25/2023	ND					

Surrogate: 1-Chlorooctane 92.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.7 % 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:	01/24/2023	Sampling Date:	01/23/2023
Reported:	01/27/2023	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: NSW - 6 (H230339-24)

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	01/25/2023	ND	2.06	103	2.00	10.4		
Toluene*	<0.050	0.050	01/25/2023	ND	2.06	103	2.00	9.24		
Ethylbenzene*	<0.050	0.050	01/25/2023	ND	2.04	102	2.00	9.48		
Total Xylenes*	<0.150	0.150	01/25/2023	ND	6.18	103	6.00	9.98		
Total BTEX	<0.300	0.300	01/25/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/25/2023	ND	416	104	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	01/25/2023	ND	212	106	200	2.02	
DRO >C10-C28*	<10.0	10.0	01/25/2023	ND	215	108	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	01/25/2023	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.7 % 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:	01/24/2023	Sampling Date:	01/23/2023
Reported:	01/27/2023	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: NSW - 7 (H230339-25)

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	01/25/2023	ND	2.01	100	2.00	1.87		
Toluene*	<0.050	0.050	01/25/2023	ND	2.07	104	2.00	1.86		
Ethylbenzene*	<0.050	0.050	01/25/2023	ND	2.00	100	2.00	3.35		
Total Xylenes*	<0.150	0.150	01/25/2023	ND	6.20	103	6.00	2.86		
Total BTEx	<0.300	0.300	01/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	01/25/2023	ND	416	104	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	01/25/2023	ND	212	106	200	2.02	
DRO >C10-C28*	<10.0	10.0	01/25/2023	ND	215	108	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	01/25/2023	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 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:	01/24/2023	Sampling Date:	01/23/2023
Reported:	01/27/2023	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: NSW - 8 (H230339-26)

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	01/25/2023	ND	2.01	100	2.00	1.87		
Toluene*	<0.050	0.050	01/25/2023	ND	2.07	104	2.00	1.86		
Ethylbenzene*	<0.050	0.050	01/25/2023	ND	2.00	100	2.00	3.35		
Total Xylenes*	<0.150	0.150	01/25/2023	ND	6.20	103	6.00	2.86		
Total BTEX	<0.300	0.300	01/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	01/25/2023	ND	416	104	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	01/26/2023	ND	197	98.5	200	13.6	
DRO >C10-C28*	228	10.0	01/26/2023	ND	194	97.1	200	11.0	
EXT DRO >C28-C36	62.0	10.0	01/26/2023	ND					

Surrogate: 1-Chlorooctane 90.4 % 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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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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A handwritten signature in black ink, appearing to read "C. D. Keene", written over a horizontal line.

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

Company Name: Paragon Environmental		BILL TO		ANALYSIS REQUEST	
Project Manager: Cason Spurlock		P.O. #:			
Address: 5002 Carriage Rd		Company: Spill Emergency			
City: Hobbs		Attn:			
State: NM zip: 88242		Address:			
Phone #: 575-631-6977		City:			
Fax #:		State:			
Project #:		Zip:			
Project Name: Foster Eddy TB		Phone #:			
Project Location: Foster Eddy		Fax #:			
Sample Name: Foster Eddy		PRESERV.		SAMPLING	
FOR LAB USE ONLY		MATRIX			
Lab I.D.		Sample I.D.			
H238339		SSW-1			
11		SSW-2			
12		SSW-3			
13		SSW-4			
14		SSW-5			
15		SSW-6			
16		SSW-7			
17		SSW-8			
18		SSW-9			
19		SSW-10			
20		SSW-11			
		(G)RAB OR (C)OMP.			
		# CONTAINERS			
		GROUNDWATER			
		WASTEWATER			
		SOIL			
		OIL			
		SLUDGE			
		OTHER :			
		ACID/BASE:			
		ICE / COOL			
		OTHER :			
		DATE			
		TIME			
		Chlorides			
		TPH			
		BTEX			

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Relinquished By: *[Signature]* Date: *12/23* Received By: *[Signature]* Date: *12/23*

Relinquished By: *[Signature]* Date: *12/23* Received By: *[Signature]* Date: *12/23*

Delivered By: (Circle One) *#13* Sample Condition ☒ Cool ☒ Intact ☐ Yes ☐ No

Sampler - UPS - Bus - Other: *46°C/40°C* ☐ Yes ☐ No

CHECKED BY: *[Signature]* (Initials)

REMARKS:



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]



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

February 01, 2023

CHRIS JONES

PARAGON ENVIROMENTAL

5002 CARRAIGE RD

HOBBS, NM 88242

RE: FOSTER EDDY TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/31/23 14:09.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

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: 01/31/2023
Reported: 02/01/2023
Project Name: FOSTER EDDY TANK BATTERY
Project Number: NOT GIVEN
Project Location: RURAL EDDY

Sampling Date: 01/30/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S - 9 (H230437-01)

BTEX 8021B		mg/kg	Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.109	0.050	01/31/2023	ND	1.99	99.3	2.00	6.27	
Toluene*	0.185	0.050	01/31/2023	ND	2.05	102	2.00	6.33	
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.05	103	2.00	6.35	
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.17	103	6.00	5.56	
Total BTEX	<0.300	0.300	01/31/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	02/01/2023	ND	416	104	400	3.92	

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	01/31/2023	ND	205	103	200	0.445	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	218	109	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/31/2023
Reported: 02/01/2023
Project Name: FOSTER EDDY TANK BATTERY
Project Number: NOT GIVEN
Project Location: RURAL EDDY

Sampling Date: 01/30/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S - 10 (H230437-02)

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	01/31/2023	ND	1.99	99.3	2.00	6.27	
Toluene*	<0.050	0.050	01/31/2023	ND	2.05	102	2.00	6.33	
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.05	103	2.00	6.35	
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.17	103	6.00	5.56	
Total BTEX	<0.300	0.300	01/31/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/01/2023	ND	416	104	400	3.92	

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	01/31/2023	ND	205	103	200	0.445	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	218	109	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 97.0 % 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: 01/31/2023
Reported: 02/01/2023
Project Name: FOSTER EDDY TANK BATTERY
Project Number: NOT GIVEN
Project Location: RURAL EDDY

Sampling Date: 01/30/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S - 11 (H230437-03)

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	01/31/2023	ND	1.99	99.3	2.00	6.27		
Toluene*	<0.050	0.050	01/31/2023	ND	2.05	102	2.00	6.33		
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.05	103	2.00	6.35		
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.17	103	6.00	5.56		
Total BTEx	<0.300	0.300	01/31/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	02/01/2023	ND	416	104	400	3.92		

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	02/01/2023	ND	205	103	200	0.445	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	218	109	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 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: 01/31/2023
Reported: 02/01/2023
Project Name: FOSTER EDDY TANK BATTERY
Project Number: NOT GIVEN
Project Location: RURAL EDDY

Sampling Date: 01/30/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SSW - 9 (H230437-04)

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	01/31/2023	ND	1.99	99.3	2.00	6.27		
Toluene*	<0.050	0.050	01/31/2023	ND	2.05	102	2.00	6.33		
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.05	103	2.00	6.35		
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.17	103	6.00	5.56		
Total BTEx	<0.300	0.300	01/31/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	02/01/2023	ND	416	104	400	3.92		

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	02/01/2023	ND	205	103	200	0.445	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	218	109	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/31/2023
Reported: 02/01/2023
Project Name: FOSTER EDDY TANK BATTERY
Project Number: NOT GIVEN
Project Location: RURAL EDDY

Sampling Date: 01/30/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: NSW - 9 (H230437-05)

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	01/31/2023	ND	1.99	99.3	2.00	6.27		
Toluene*	<0.050	0.050	01/31/2023	ND	2.05	102	2.00	6.33		
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.05	103	2.00	6.35		
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.17	103	6.00	5.56		
Total BTEx	<0.300	0.300	01/31/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	02/01/2023	ND	416	104	400	3.92		

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	02/01/2023	ND	205	103	200	0.445	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	218	109	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 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: 01/31/2023
Reported: 02/01/2023
Project Name: FOSTER EDDY TANK BATTERY
Project Number: NOT GIVEN
Project Location: RURAL EDDY

Sampling Date: 01/30/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: ESW - COMP (H230437-06)

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	01/31/2023	ND	1.99	99.3	2.00	6.27		
Toluene*	<0.050	0.050	01/31/2023	ND	2.05	102	2.00	6.33		
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.05	103	2.00	6.35		
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.17	103	6.00	5.56		
Total BTEx	<0.300	0.300	01/31/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	02/01/2023	ND	416	104	400	3.92		

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	02/01/2023	ND	205	103	200	0.445	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	218	109	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 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: 01/31/2023
Reported: 02/01/2023
Project Name: FOSTER EDDY TANK BATTERY
Project Number: NOT GIVEN
Project Location: RURAL EDDY

Sampling Date: 01/30/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: WSW - COMP (H230437-07)

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	01/31/2023	ND	1.99	99.3	2.00	6.27		
Toluene*	<0.050	0.050	01/31/2023	ND	2.05	102	2.00	6.33		
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.05	103	2.00	6.35		
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.17	103	6.00	5.56		
Total BTEx	<0.300	0.300	01/31/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	02/01/2023	ND	416	104	400	3.92		

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	02/01/2023	ND	205	103	200	0.445	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	218	109	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 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
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received: 01/31/2023
Reported: 02/01/2023
Project Name: FOSTER EDDY TANK BATTERY
Project Number: NOT GIVEN
Project Location: RURAL EDDY

Sampling Date: 01/30/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S - 12 (H230437-08)

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	01/31/2023	ND	1.99	99.3	2.00	6.27	
Toluene*	<0.050	0.050	01/31/2023	ND	2.05	102	2.00	6.33	
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.05	103	2.00	6.35	
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.17	103	6.00	5.56	
Total BTEX	<0.300	0.300	01/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/01/2023	ND	416	104	400	3.92	

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	02/01/2023	ND	205	103	200	0.445	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	218	109	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 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
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received: 01/31/2023
Reported: 02/01/2023
Project Name: FOSTER EDDY TANK BATTERY
Project Number: NOT GIVEN
Project Location: RURAL EDDY

Sampling Date: 01/30/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S - 13 (H230437-09)

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	01/31/2023	ND	1.99	99.3	2.00	6.27	
Toluene*	<0.050	0.050	01/31/2023	ND	2.05	102	2.00	6.33	
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.05	103	2.00	6.35	
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.17	103	6.00	5.56	
Total BTEX	<0.300	0.300	01/31/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	02/01/2023	ND	416	104	400	3.92	

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	02/01/2023	ND	205	103	200	0.445	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	218	109	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 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: 01/31/2023
Reported: 02/01/2023
Project Name: FOSTER EDDY TANK BATTERY
Project Number: NOT GIVEN
Project Location: RURAL EDDY

Sampling Date: 01/30/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S - 14 (H230437-10)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.058	0.050	01/31/2023	ND	1.99	99.3	2.00	6.27	
Toluene*	0.168	0.050	01/31/2023	ND	2.05	102	2.00	6.33	
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.05	103	2.00	6.35	
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.17	103	6.00	5.56	
Total BTEx	<0.300	0.300	01/31/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	02/01/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	205	103	200	0.445	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	218	109	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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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A handwritten signature in black ink, appearing to read "Caley D. Keene".

Caley 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

Company Name: Paragon Environmental						BILL TO		ANALYSIS REQUEST															
Project Manager: Chris Jones						P.O. #:																	
Address: 1601 N. Turner St., Ste 500						Company:																	
City: Hobbs						Attn:																	
State: NM Zip: 88240						Address:																	
Phone #: 575-964-7814 Fax #:						City:																	
Project #:						State:																	
Project Location: Foster Eddy Tank Battery						Zip:																	
Sample Name: Royal Eddy						Phone #:																	
Sampler Name: Chad A. Pens						Fax #:																	
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING													
Lab I.D.						(G)RAB OR (C)OMP.		DATE		TIME													
Sample I.D.						# CONTAINERS		GROUNDWATER		WASTEWATER													
						SOIL		OIL		SLUDGE													
						OTHER :		ACID/BASE:		ICE / COOL													
						OTHER :																	
1H30437						1-30																	
1						1		1		Chlorides													
2						1		1		TPH													
3						1		1		BTEX													
4						1		1															
5						1		1															
6						1		1															
7						1		1															
8						1		1															
9						1		1															
10						1		1															
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Relinquished By: Chad A. Pens						Date: 1-30		Received By: Steve Riquelme															
Relinquished By: Chad A. Pens						Time: 11:45pm		Received By: Steve Riquelme															
Delivered By: (Circle One)						Cool		Intact		Checked BY: (Initials)													
Sampler - UPS - Bus - Other: 14 C-C-O-U-E						Yes		Yes		sf													
08c #113						No		No															



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

October 18, 2022

CASON SPURLOCK

PARAGON ENVIROMENTAL

5002 CARRAIGE RD

HOBBS, NM 88242

RE: FOSTER EDDY BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 10/13/22 8:30.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

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:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S 1 6" (H224808-01)

BTX 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	10/15/2022	ND	1.77	88.5	2.00	17.9		
Toluene*	<0.050	0.050	10/15/2022	ND	1.74	86.8	2.00	17.7		
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.72	85.8	2.00	17.9		
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.27	87.8	6.00	17.9		
Total BTX	<0.300	0.300	10/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	10/15/2022	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*	27.5	10.0	10/14/2022	ND	214	107	200	2.38	
DRO >C10-C28*	8780	10.0	10/14/2022	ND	209	104	200	2.95	
EXT DRO >C28-C36	1970	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 137 % 45.3-161

Surrogate: 1-Chlorooctadecane 241 % 46.3-178

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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:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S 1 1' (H224808-02)

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	10/15/2022	ND	1.77	88.5	2.00	17.9	
Toluene*	<0.050	0.050	10/15/2022	ND	1.74	86.8	2.00	17.7	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.72	85.8	2.00	17.9	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.27	87.8	6.00	17.9	
Total BTEX	<0.300	0.300	10/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	10/15/2022	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	10/14/2022	ND	214	107	200	2.38	
DRO >C10-C28*	133	10.0	10/14/2022	ND	209	104	200	2.95	
EXT DRO >C28-C36	26.8	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 119 % 45.3-161

Surrogate: 1-Chlorooctadecane 151 % 46.3-178

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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:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S 1 2' (H224808-03)

BTX 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	10/15/2022	ND	1.77	88.5	2.00	17.9	
Toluene*	<0.050	0.050	10/15/2022	ND	1.74	86.8	2.00	17.7	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.72	85.8	2.00	17.9	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.27	87.8	6.00	17.9	
Total BTX	<0.300	0.300	10/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/15/2022	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	10/14/2022	ND	214	107	200	2.38	
DRO >C10-C28*	11.3	10.0	10/14/2022	ND	209	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 120 % 45.3-161

Surrogate: 1-Chlorooctadecane 144 % 46.3-178

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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:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S 2 6" (H224808-04)

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	10/15/2022	ND	1.77	88.5	2.00	17.9		
Toluene*	<0.050	0.050	10/15/2022	ND	1.74	86.8	2.00	17.7		
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.72	85.8	2.00	17.9		
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.27	87.8	6.00	17.9		
Total BTEX	<0.300	0.300	10/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	10/15/2022	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	10/14/2022	ND	214	107	200	2.38	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	209	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 116 % 45.3-161

Surrogate: 1-Chlorooctadecane 140 % 46.3-178

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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:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S 2 1' (H224808-05)

BTX 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	10/15/2022	ND	1.77	88.5	2.00	17.9		
Toluene*	<0.050	0.050	10/15/2022	ND	1.74	86.8	2.00	17.7		
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.72	85.8	2.00	17.9		
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.27	87.8	6.00	17.9		
Total BTX	<0.300	0.300	10/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/15/2022	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*	10.1	10.0	10/14/2022	ND	214	107	200	2.38	
DRO >C10-C28*	9520	10.0	10/14/2022	ND	209	104	200	2.95	
EXT DRO >C28-C36	2950	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 111 % 45.3-161

Surrogate: 1-Chlorooctadecane 310 % 46.3-178

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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:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S 2 2' (H224808-06)

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	10/15/2022	ND	1.77	88.5	2.00	17.9	
Toluene*	<0.050	0.050	10/15/2022	ND	1.74	86.8	2.00	17.7	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.72	85.8	2.00	17.9	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.27	87.8	6.00	17.9	
Total BTEX	<0.300	0.300	10/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/15/2022	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	10/14/2022	ND	214	107	200	2.38	
DRO >C10-C28*	29.2	10.0	10/14/2022	ND	209	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 118 % 45.3-161

Surrogate: 1-Chlorooctadecane 146 % 46.3-178

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Analytical Results For:

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

Received:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S 3 6" (H224808-07)

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	10/15/2022	ND	1.77	88.5	2.00	17.9		
Toluene*	<0.050	0.050	10/15/2022	ND	1.74	86.8	2.00	17.7		
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.72	85.8	2.00	17.9		
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.27	87.8	6.00	17.9		
Total BTEX	<0.300	0.300	10/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	10/15/2022	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*	<10.0	10.0	10/14/2022	ND	214	107	200	2.38	
DRO >C10-C28*	1210	10.0	10/14/2022	ND	209	104	200	2.95	
EXT DRO >C28-C36	418	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 118 % 45.3-161

Surrogate: 1-Chlorooctadecane 187 % 46.3-178

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Analytical Results For:

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

Received:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S 3 1' (H224808-08)

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	10/15/2022	ND	1.77	88.5	2.00	17.9		
Toluene*	<0.050	0.050	10/15/2022	ND	1.74	86.8	2.00	17.7		
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.72	85.8	2.00	17.9		
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.27	87.8	6.00	17.9		
Total BTEX	<0.300	0.300	10/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	10/15/2022	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*	<10.0	10.0	10/14/2022	ND	214	107	200	2.38	
DRO >C10-C28*	5190	10.0	10/14/2022	ND	209	104	200	2.95	
EXT DRO >C28-C36	1860	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 121 % 45.3-161

Surrogate: 1-Chlorooctadecane 386 % 46.3-178

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Analytical Results For:

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

Received:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S 3 2' (H224808-09)

BTX 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	10/15/2022	ND	1.77	88.5	2.00	17.9	
Toluene*	<0.050	0.050	10/15/2022	ND	1.74	86.8	2.00	17.7	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.72	85.8	2.00	17.9	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.27	87.8	6.00	17.9	
Total BTX	<0.300	0.300	10/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	10/15/2022	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	10/14/2022	ND	214	107	200	2.38	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	209	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 105 % 45.3-161

Surrogate: 1-Chlorooctadecane 128 % 46.3-178

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Analytical Results For:

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

Received:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S 4 6" (H224808-10)

BTX 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	10/15/2022	ND	1.77	88.5	2.00	17.9		
Toluene*	<0.050	0.050	10/15/2022	ND	1.74	86.8	2.00	17.7		
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.72	85.8	2.00	17.9		
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.27	87.8	6.00	17.9		
Total BTX	<0.300	0.300	10/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	10/15/2022	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	10/14/2022	ND	214	107	200	2.38	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	209	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 113 % 45.3-161

Surrogate: 1-Chlorooctadecane 136 % 46.3-178

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Analytical Results For:

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

Received:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S 4 1' (H224808-11)

BTX 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	10/15/2022	ND	1.77	88.5	2.00	17.9	
Toluene*	<0.050	0.050	10/15/2022	ND	1.74	86.8	2.00	17.7	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.72	85.8	2.00	17.9	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.27	87.8	6.00	17.9	
Total BTX	<0.300	0.300	10/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/15/2022	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	10/14/2022	ND	214	107	200	2.38	
DRO >C10-C28*	59.4	10.0	10/14/2022	ND	209	104	200	2.95	
EXT DRO >C28-C36	13.8	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 109 % 45.3-161

Surrogate: 1-Chlorooctadecane 134 % 46.3-178

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Analytical Results For:

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

Received:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S 4 2' (H224808-12)

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	10/15/2022	ND	1.77	88.5	2.00	17.9	
Toluene*	<0.050	0.050	10/15/2022	ND	1.74	86.8	2.00	17.7	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.72	85.8	2.00	17.9	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.27	87.8	6.00	17.9	
Total BTEX	<0.300	0.300	10/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	10/15/2022	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	10/14/2022	ND	214	107	200	2.38	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	209	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 117 % 45.3-161

Surrogate: 1-Chlorooctadecane 139 % 46.3-178

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Analytical Results For:

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

Received:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S 5 6" (H224808-13)

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	10/15/2022	ND	1.77	88.5	2.00	17.9	
Toluene*	<0.050	0.050	10/15/2022	ND	1.74	86.8	2.00	17.7	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.72	85.8	2.00	17.9	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.27	87.8	6.00	17.9	
Total BTEX	<0.300	0.300	10/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	10/15/2022	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	10/14/2022	ND	214	107	200	2.38	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	209	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 112 % 45.3-161

Surrogate: 1-Chlorooctadecane 138 % 46.3-178

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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:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S 5 1' (H224808-14)

BTX 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	10/15/2022	ND	1.77	88.5	2.00	17.9	
Toluene*	<0.050	0.050	10/15/2022	ND	1.74	86.8	2.00	17.7	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.72	85.8	2.00	17.9	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.27	87.8	6.00	17.9	
Total BTX	<0.300	0.300	10/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1380	16.0	10/15/2022	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	10/14/2022	ND	214	107	200	2.38	
DRO >C10-C28*	26.8	10.0	10/14/2022	ND	209	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 121 % 45.3-161

Surrogate: 1-Chlorooctadecane 153 % 46.3-178

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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:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S 5 2' (H224808-15)

BTX 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	10/15/2022	ND	1.77	88.5	2.00	17.9	
Toluene*	<0.050	0.050	10/15/2022	ND	1.74	86.8	2.00	17.7	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.72	85.8	2.00	17.9	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.27	87.8	6.00	17.9	
Total BTX	<0.300	0.300	10/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	10/15/2022	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	10/14/2022	ND	237	119	200	3.81	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	251	125	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 84.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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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:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S 6 6" (H224808-16)

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	10/15/2022	ND	1.98	98.9	2.00	0.458	QM-07	
Toluene*	<0.050	0.050	10/15/2022	ND	2.12	106	2.00	0.403		
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.96	97.9	2.00	1.25		
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.85	97.5	6.00	1.25		
Total BTEx	<0.300	0.300	10/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	10/15/2022	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	10/14/2022	ND	237	119	200	3.81	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	251	125	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 90.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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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:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S 6 1' (H224808-17)

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	10/15/2022	ND	1.98	98.9	2.00	0.458	
Toluene*	<0.050	0.050	10/15/2022	ND	2.12	106	2.00	0.403	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.96	97.9	2.00	1.25	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.85	97.5	6.00	1.25	
Total BTEX	<0.300	0.300	10/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/15/2022	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	10/14/2022	ND	237	119	200	3.81	
DRO >C10-C28*	1560	10.0	10/14/2022	ND	251	125	200	2.52	
EXT DRO >C28-C36	464	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 78.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 139 % 46.3-178

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Analytical Results For:

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

Received:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S 6 2' (H224808-18)

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	10/15/2022	ND	1.98	98.9	2.00	0.458	
Toluene*	<0.050	0.050	10/15/2022	ND	2.12	106	2.00	0.403	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.96	97.9	2.00	1.25	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.85	97.5	6.00	1.25	
Total BTEx	<0.300	0.300	10/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/15/2022	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	10/14/2022	ND	237	119	200	3.81	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	251	125	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 89.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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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:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S 7 6" (H224808-19)

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	10/15/2022	ND	1.98	98.9	2.00	0.458	
Toluene*	<0.050	0.050	10/15/2022	ND	2.12	106	2.00	0.403	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.96	97.9	2.00	1.25	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.85	97.5	6.00	1.25	
Total BTEX	<0.300	0.300	10/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/15/2022	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	10/14/2022	ND	237	119	200	3.81	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	251	125	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 86.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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Analytical Results For:

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

Received:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S 7 1' (H224808-20)

BTX 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	10/15/2022	ND	1.98	98.9	2.00	0.458	
Toluene*	<0.050	0.050	10/15/2022	ND	2.12	106	2.00	0.403	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.96	97.9	2.00	1.25	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.85	97.5	6.00	1.25	
Total BTX	<0.300	0.300	10/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/15/2022	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	10/14/2022	ND	237	119	200	3.81	
DRO >C10-C28*	844	10.0	10/14/2022	ND	251	125	200	2.52	
EXT DRO >C28-C36	221	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 67.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 112 % 46.3-178

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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:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S 7 2' (H224808-21)

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	10/15/2022	ND	1.98	98.9	2.00	0.458		
Toluene*	<0.050	0.050	10/15/2022	ND	2.12	106	2.00	0.403		
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.96	97.9	2.00	1.25		
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.85	97.5	6.00	1.25		
Total BTEx	<0.300	0.300	10/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	10/15/2022	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	10/14/2022	ND	237	119	200	3.81	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	251	125	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 78.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.6 % 46.3-178

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Analytical Results For:

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

Received:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S 8 6" (H224808-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/15/2022	ND	1.98	98.9	2.00	0.458		
Toluene*	<0.050	0.050	10/15/2022	ND	2.12	106	2.00	0.403		
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.96	97.9	2.00	1.25		
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.85	97.5	6.00	1.25		
Total BTEx	<0.300	0.300	10/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/15/2022	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	10/14/2022	ND	237	119	200	3.81	
DRO >C10-C28*	106	10.0	10/14/2022	ND	251	125	200	2.52	
EXT DRO >C28-C36	51.3	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 91.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 100 % 46.3-178

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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:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S 8 1' (H224808-23)

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	10/15/2022	ND	1.98	98.9	2.00	0.458		
Toluene*	<0.050	0.050	10/15/2022	ND	2.12	106	2.00	0.403		
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.96	97.9	2.00	1.25		
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.85	97.5	6.00	1.25		
Total BTEx	<0.300	0.300	10/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	10/15/2022	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*	<10.0	10.0	10/14/2022	ND	237	119	200	3.81	
DRO >C10-C28*	1990	10.0	10/14/2022	ND	251	125	200	2.52	
EXT DRO >C28-C36	624	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 94.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 183 % 46.3-178

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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:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S 8 2' (H224808-24)

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	10/15/2022	ND	1.98	98.9	2.00	0.458		
Toluene*	<0.050	0.050	10/15/2022	ND	2.12	106	2.00	0.403		
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.96	97.9	2.00	1.25		
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.85	97.5	6.00	1.25		
Total BTEX	<0.300	0.300	10/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/15/2022	ND	432	108	400	7.69		

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	10/14/2022	ND	237	119	200	3.81	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	251	125	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 90.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 46.3-178

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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:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S 9 6" (H224808-25)

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	10/15/2022	ND	1.98	98.9	2.00	0.458	
Toluene*	<0.050	0.050	10/15/2022	ND	2.12	106	2.00	0.403	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.96	97.9	2.00	1.25	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.85	97.5	6.00	1.25	
Total BTEx	<0.300	0.300	10/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/15/2022	ND	432	108	400	7.69	

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	10/14/2022	ND	237	119	200	3.81	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	251	125	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 77.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.2 % 46.3-178

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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:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S 9 1' (H224808-26)

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	10/15/2022	ND	1.98	98.9	2.00	0.458		
Toluene*	<0.050	0.050	10/15/2022	ND	2.12	106	2.00	0.403		
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.96	97.9	2.00	1.25		
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.85	97.5	6.00	1.25		
Total BTEx	<0.300	0.300	10/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/15/2022	ND	432	108	400	7.69		

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	10/14/2022	ND	237	119	200	3.81	
DRO >C10-C28*	11.1	10.0	10/14/2022	ND	251	125	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 91.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 109 % 46.3-178

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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:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S 9 2' (H224808-27)

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	10/15/2022	ND	1.98	98.9	2.00	0.458		
Toluene*	<0.050	0.050	10/15/2022	ND	2.12	106	2.00	0.403		
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.96	97.9	2.00	1.25		
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.85	97.5	6.00	1.25		
Total BTEX	<0.300	0.300	10/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/15/2022	ND	432	108	400	7.69		

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	10/14/2022	ND	237	119	200	3.81	
DRO >C10-C28*	22.8	10.0	10/14/2022	ND	251	125	200	2.52	
EXT DRO >C28-C36	19.7	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 85.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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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:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S 9 3' (H224808-28)

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	10/15/2022	ND	1.98	98.9	2.00	0.458	
Toluene*	<0.050	0.050	10/15/2022	ND	2.12	106	2.00	0.403	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.96	97.9	2.00	1.25	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.85	97.5	6.00	1.25	
Total BTEX	<0.300	0.300	10/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/15/2022	ND	432	108	400	7.69	

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	10/14/2022	ND	237	119	200	3.81	
DRO >C10-C28*	122	10.0	10/14/2022	ND	251	125	200	2.52	
EXT DRO >C28-C36	30.4	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 84.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.5 % 46.3-178

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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:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S 9 4' (H224808-29)

BTX 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	10/15/2022	ND	1.98	98.9	2.00	0.458	
Toluene*	<0.050	0.050	10/15/2022	ND	2.12	106	2.00	0.403	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.96	97.9	2.00	1.25	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.85	97.5	6.00	1.25	
Total BTX	<0.300	0.300	10/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	784	16.0	10/15/2022	ND	432	108	400	7.69		

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	10/14/2022	ND	237	119	200	3.81	
DRO >C10-C28*	337	10.0	10/14/2022	ND	251	125	200	2.52	
EXT DRO >C28-C36	143	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 103 % 45.3-161

Surrogate: 1-Chlorooctadecane 126 % 46.3-178

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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:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S 10 6" (H224808-30)

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	10/16/2022	ND	1.98	98.9	2.00	0.458		
Toluene*	<0.050	0.050	10/16/2022	ND	2.12	106	2.00	0.403		
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.96	97.9	2.00	1.25		
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.85	97.5	6.00	1.25		
Total BTEx	<0.300	0.300	10/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	10/15/2022	ND	432	108	400	7.69		

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	10/14/2022	ND	237	119	200	3.81	
DRO >C10-C28*	454	10.0	10/14/2022	ND	251	125	200	2.52	
EXT DRO >C28-C36	181	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 95.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 122 % 46.3-178

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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:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S 10 1' (H224808-31)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2022	ND	1.98	98.9	2.00	0.458	
Toluene*	<0.050	0.050	10/15/2022	ND	2.12	106	2.00	0.403	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.96	97.9	2.00	1.25	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.85	97.5	6.00	1.25	
Total BTEx	<0.300	0.300	10/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	784	16.0	10/15/2022	ND	432	108	400	7.69		

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	10/14/2022	ND	237	119	200	3.81	
DRO >C10-C28*	224	10.0	10/14/2022	ND	251	125	200	2.52	
EXT DRO >C28-C36	84.5	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 119 % 46.3-178

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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:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S 10 2' (H224808-32)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/15/2022	ND	1.98	98.9	2.00	0.458		
Toluene*	<0.050	0.050	10/15/2022	ND	2.12	106	2.00	0.403		
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.96	97.9	2.00	1.25		
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.85	97.5	6.00	1.25		
Total BTEx	<0.300	0.300	10/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/15/2022	ND	432	108	400	7.69		

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	10/14/2022	ND	237	119	200	3.81	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	251	125	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 85.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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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:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	FOSTER EDDY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S 10 3' (H224808-33)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2022	ND	1.98	98.9	2.00	0.458	
Toluene*	<0.050	0.050	10/16/2022	ND	2.12	106	2.00	0.403	
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.96	97.9	2.00	1.25	
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.85	97.5	6.00	1.25	
Total BTEX	<0.300	0.300	10/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3000	16.0	10/15/2022	ND	432	108	400	7.69		

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	10/14/2022	ND	237	119	200	3.81	
DRO >C10-C28*	483	10.0	10/14/2022	ND	251	125	200	2.52	
EXT DRO >C28-C36	155	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 89.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 114 % 46.3-178

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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.
QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CARDINAL
Laboratories

1871

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



3 of 4 2 of 2

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: Cason Spurlock
Address: 5002 Carriage Rd
City: Hobbs
State: NM zip: 88242
Phone #: 575-631-6977 Fax #:
Project #:
Project Owner:
Project Name:
Project Location:
Sampler Name:

P.O. #:

Company:

Attn:

Address:

City:

State:

Zip:

Phone #:

Fax #:

FOR LAB USE ONLY

MATRIX

PRESERV

SAMPLING

Lab I.D.

Sample I.D.

H224808

7 2' 6"

21

22

23

24

25

26

27

28

29

30

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

TPH Exl.
BTEX
Chlorides

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Relinquished By:

Date:

Received By:

Phone Result:

Yes

No

Add'l Phone #:

Fax Result:

Yes

No

Add'l Fax #:

REMARKS:

Relinquished By:

Date:

Received By:

Phone Result:

Yes

No

Add'l Phone #:

Fax Result:

Yes

No

Add'l Fax #:

Delivered By: (Circle One)

Sample Condition:

CHECKED BY:

Phone Result:

Yes

No

Add'l Phone #:

Fax Result:

Yes

No

Add'l Fax #:

Sampler - UPS - Bus - Other:

Sample Condition:

CHECKED BY:

Phone Result:

Yes

No

Add'l Phone #:

Fax Result:

Yes

No

Add'l Fax #:



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CHAIN-OF-CUSTODY AND ANALYSIS

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

[illegible]

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 199442

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 199442
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved. Please note prior approval from the OCD is required to omit testing soil samples for chloride and BTEX (S-1 comp, etc).	4/26/2023