

Spill Volume(Bbls) Calculator*Inputs in blue, Outputs in red*

Length(Ft)	Width(Ft)	Depth(In)
346.000	91.000	1.000
Cubic Feet Impacted		2623.833
Barrels		467.29
Soil Type		Sand
Bbls Assuming 100% Saturation		93.46
Saturation	Fluid present when squeezed	
Estimated Barrels Released		46.80000

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)	346
Width (ft)	91
Depth (in)	1.000









December 12, 2023

NMOCD District 2
Mike Bratcher
Artesia, NM 88210

Bureau of Land Management
Crisha Morgan
Carlsbad Field Office

Re: Closure Request
Mayaro 22 State #004
API No. N/A
GPS: Latitude 32.81688 Longitude -104.16299
UL "J", Sec. 22, T17S, R28E
Eddy County, NM
NMOCD Ref. No. NAPP2315041512

Mr. Bratcher,

Paragon Environmental, LLC (Paragon) has been contracted by Spur Energy Partners (Spur) to conduct remediation activities and request closure approval for the Mayaro 22 St #4 (Mayaro). Details of the release are summarized below:

Release Details			
Type of Release:	Produced Water	Volume of Release:	47 bbls
		Volume Recovered:	45 bbls
Source of Release:	Steel Connection	Date of Release:	05/29/23
Was Immediate Notice Given?	Yes	If, Yes, to Whom?	OCD Online
Was a Watercourse Reached?	No	If Yes, Volume Impacting Watercourse:	N/A
Surface Owner:	State	Mineral Owner:	Unknown
High pressure on a 4" poly caused a produced waster release into the pasture.			

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	95'
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. Another search was conducted via USGS and found an active well within ½ mile that was 95 feet BGS. A Groundwater Map showing the location of this well is attached in Figure 7.

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 older alluvial deposits of upland plains and piedmont areas, and calcic soils and eolian cover sediments of the High Plains region (middle to lower Pleistocene)- Includes scattered lacustrine playa, and alluvial deposits of the Tahoka, Double Tanks, Tule, Blackwater Draw, and Gatuna Formations, the latter of which may be Pliocene at base; outcrops, however, are basically of quaternary deposits (QOA). The soil in this area is made up of Largo-Stony land complex with 0 to 25 percent slopes, according to the United States Department of Agriculture Natural Resources Conservation Service. The drainage courses in this area are well-drained. There is not a high potential for karst geology to be present around the Mayaro (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	10,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 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 June 8, 2023, Another contractor conducted an initial site assessment. During the initial site assessment, six (6) soil samples were collected in this area to determine the vertical extent of soil impact. An additional four (4) samples were obtained to determine horizontal impacts.

6-8-23 Sample Results

NMOC Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 95')								
Sample Date 6/8/23		Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg	Combined Closure Criteria 1,000 mg/kg			Closure Criteria 2,500 mg/kg	Closure Criteria 10,000 mg/kg
Sample ID	Depth (BGS)	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
EH 1	SURFACE	ND	ND	ND	ND	ND	ND	64
EH 1	1'	ND	ND	ND	ND	ND	ND	48
NH 1C	SURFACE	ND	ND	ND	ND	ND	ND	80
NH 1C	1'	ND	ND	ND	ND	ND	ND	48
SH 1	SURFACE	ND	ND	ND	ND	ND	ND	48
SH 1	1'	ND	ND	ND	ND	ND	ND	32
WH 1	SURFACE	ND	ND	ND	ND	ND	ND	48
WH 1	1'	ND	ND	ND	ND	ND	ND	48
V1	SURFACE	ND	ND	ND	161	46.5	207.5	14,000
V1	4'	ND	ND	ND	ND	ND	ND	288
V2	SURFACE	ND	ND	ND	185	60.3	245.3	32,800
V2	5'	ND	ND	ND	33.5	ND	33.5	2,680
V3	SURFACE	ND	0.712	26.7	1,170	300	1496.7	37,600
V3	5'	ND	ND	ND	ND	ND	ND	768
V4	SURFACE	ND	ND	ND	ND	ND	ND	15,600
V4	5'	ND	ND	ND	ND	ND	ND	4,880
V5	SURFACE	ND	ND	ND	69.5	10.7	80.2	15,400
V5	5'	ND	ND	ND	ND	ND	ND	2,640
V6	SURFACE	ND	ND	ND	35.9	ND	35.9	13,400
V6	5'	ND	ND	ND	ND	ND	ND	992

ND- Analyte Not Detected

REMEDIATION ACTIVITIES

Based on the analytical data provided the following excavation actions were performed:

- In the vicinity of V1, we excavated to a depth of 4 feet BGS.
- The rest of the spill area was excavated to a depth of 5 feet BGS.
- Confirmation samples were obtained for vertical and horizontal delineation. These samples were taken at the base for bottoms and sidewalls. Confirmation sample maps are attached in Figures 5 and 6, based on the excavation depths.

Email notifications were sent out at least 48 hours prior to obtaining these confirmation samples; copies of these emails are attached in Appendix D. Due to the size of this excavation project, samples were obtained on two different days, splitting the sampling event.

11-14-23 Confirmation Bottom and Sidewall Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 95')								
Sample Date 11/14/23		Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg	Combined Closure Criteria 1,000 mg/kg				Closure Criteria 10,000 mg/kg
Sample ID	Depth (BG5)	BTEX	Benzene	GRO	DRD	MRO	Total TPH	CHLORIDES
ESW-1	4'	ND	ND	ND	ND	ND	ND	16
ESW-2	4'	ND	ND	ND	ND	ND	ND	32
ESW-3	5'	ND	ND	ND	ND	ND	ND	144
ESW-4	5'	ND	ND	ND	ND	ND	ND	80
ESW-5	5'	ND	ND	ND	ND	ND	ND	32
ESW-6	5'	ND	ND	ND	ND	ND	ND	32
ESW-7	5'	ND	ND	ND	ND	ND	ND	368
S-1	4'	ND	ND	ND	ND	ND	ND	1260
S-2	4'	ND	ND	ND	ND	ND	ND	240
S-3	4'	ND	ND	ND	ND	ND	ND	976
S-4	4'	ND	ND	ND	ND	ND	ND	1390
S-5	4'	ND	ND	ND	ND	ND	ND	1390
S-6	5'	ND	ND	ND	ND	ND	ND	1380
S-7	5'	ND	ND	ND	ND	ND	ND	2360
S-8	5'	ND	ND	ND	ND	ND	ND	2160
S-9	5'	ND	ND	ND	ND	ND	ND	1680
S-10	5'	ND	ND	ND	ND	ND	ND	384
S-11	5'	ND	ND	ND	ND	ND	ND	208
S-12	5'	ND	ND	ND	ND	ND	ND	2320
S-13	5'	ND	ND	ND	ND	ND	ND	224
S-14	5'	ND	ND	ND	ND	ND	ND	208
S-15	5'	ND	ND	ND	ND	ND	ND	2880
S-16	5'	ND	ND	ND	ND	ND	ND	64
S-17	5'	ND	ND	ND	ND	ND	ND	2720
S-18	5'	ND	ND	ND	ND	ND	ND	1840
S-19	5'	ND	ND	ND	ND	ND	ND	208
S-20	5'	ND	ND	ND	ND	ND	ND	3360
S-21	5'	ND	ND	ND	ND	ND	ND	640
S-22	5'	ND	ND	ND	ND	ND	ND	1170
S-23	5'	ND	ND	ND	ND	ND	ND	1440

ND- Analyte Not Detected

11-21-23 Confirmation Bottom and Sidewall Sample Results

NMOC Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 95')								
Sample Date: 11/21/23		Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg	Combined Closure Criteria 1,000 mg/kg			Closure Criteria 2,500 mg/kg	Closure Criteria 10,000 mg/kg
Sample ID	Depth (BGS)	BTEX	Benzene	GRO	DRD	MRO	Total TPH	CHLORIDES
S-24	4'	ND	ND	ND	ND	ND	ND	752
S-25	4'	ND	ND	ND	ND	ND	ND	1730
S-26	4'	ND	ND	ND	ND	ND	ND	1800
S-27	4'	ND	ND	ND	ND	ND	ND	1630
S-28	4'	ND	ND	ND	ND	ND	ND	1720
S-29	4'	ND	ND	ND	ND	ND	ND	1420
S-30	4'	ND	ND	ND	ND	ND	ND	48
S-31	4'	ND	ND	ND	ND	ND	ND	1960
S-32	4'	ND	ND	ND	ND	ND	ND	1280
S-33	5'	ND	ND	ND	ND	ND	ND	992
S-34	5'	ND	ND	ND	ND	ND	ND	1310
S-35	5'	ND	ND	ND	ND	ND	ND	2200
S-36	5'	ND	ND	ND	ND	ND	ND	816
S-37	5'	ND	ND	ND	ND	ND	ND	688
S-38	5'	ND	ND	ND	ND	ND	ND	1600
S-39	5'	ND	ND	ND	ND	ND	ND	3520
S-40	5'	ND	ND	ND	ND	ND	ND	256
S-41	5'	ND	ND	ND	ND	ND	ND	272
S-42	5'	ND	ND	ND	ND	ND	ND	432
S-43	5'	ND	ND	ND	ND	ND	ND	368
S-44	5'	ND	ND	ND	ND	ND	ND	4560
S-45	5'	ND	ND	ND	ND	ND	ND	288
S-46	5'	ND	ND	ND	ND	ND	ND	288
S-47	5'	ND	ND	ND	ND	ND	ND	464
S-48	5'	ND	ND	ND	ND	ND	ND	64
S-49	5'	ND	ND	ND	ND	ND	ND	112
S-50	5'	ND	ND	ND	ND	ND	ND	128
S-51	5'	ND	ND	ND	ND	ND	ND	112
S-52	5'	ND	ND	ND	ND	ND	ND	256
S-53	5'	ND	ND	ND	ND	ND	ND	112
S-54	5'	ND	ND	ND	ND	ND	ND	128
S-55	5'	ND	ND	ND	ND	ND	ND	96
S-56	5'	ND	ND	ND	ND	ND	ND	112
S-57	5'	ND	ND	ND	ND	ND	ND	144
S-58	5'	ND	ND	ND	ND	ND	ND	128
S-59	5'	ND	ND	ND	ND	ND	ND	880
S-60	5'	ND	ND	ND	ND	ND	ND	672
S-61	5'	ND	ND	ND	ND	ND	ND	224
S-62	5'	ND	ND	ND	ND	ND	ND	48
S-63	5'	ND	ND	ND	ND	ND	ND	32
S-64	5'	ND	ND	ND	ND	ND	ND	32
S-65	5'	ND	ND	ND	ND	ND	ND	48
S-66	5'	ND	ND	ND	ND	ND	ND	128
S-67	5'	ND	ND	ND	ND	ND	ND	1440
S-68	5'	ND	ND	ND	ND	ND	ND	2720
S-69	5'	ND	ND	ND	ND	ND	ND	6180
S-70	5'	ND	ND	ND	ND	ND	ND	2360
S-71	5'	ND	ND	ND	ND	ND	ND	7600
S-72	5'	ND	ND	ND	ND	ND	ND	1220
S-73	5'	ND	ND	ND	ND	ND	ND	752
S-74	5'	ND	ND	ND	ND	ND	ND	1020
S-75	5'	ND	ND	ND	ND	ND	ND	16
WSW-1	4'	ND	ND	ND	ND	ND	ND	48
WSW-2	4'	ND	ND	ND	ND	ND	ND	208
WSW-3	5'	ND	ND	ND	ND	ND	ND	48
WSW-4	5'	ND	ND	ND	ND	ND	ND	128
WSW-5	5'	ND	ND	ND	ND	ND	ND	128
WSW-6	5'	ND	ND	ND	ND	ND	ND	112
WSW-7	5'	ND	ND	ND	ND	ND	ND	144
NSW-1	4'	ND	ND	ND	ND	ND	ND	176
SSW-1	5'	ND	ND	ND	ND	ND	ND	ND

ND- Analyte Not Detected

Based on the analytical data from the lab and closure criteria, we were successful in removing all the contaminated material for this project. We then began backfilling efforts and completed this project.

CLOSURE REQUEST

After careful review, Paragon respectfully requests that the incident, NAPP2315041512, be closed. Spur has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

If you have any questions or need additional information, please contact Chris Jones at (575)964-7814 or email at chris@paragonenvironmental.net.

Respectfully,



Chris Jones
Environmental Professional
Paragon Environmental, LLC



Attachments

Figures:

- 1- Site Map
- 2- Topographic Map
- 3- Karst Map
- 4- Aerial Map
- 5- 4 Foot Confirmation Sample Map
- 6- 5 Foot Confirmation Sample Map
- 7- Groundwater Map

Appendices:

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



Figures:

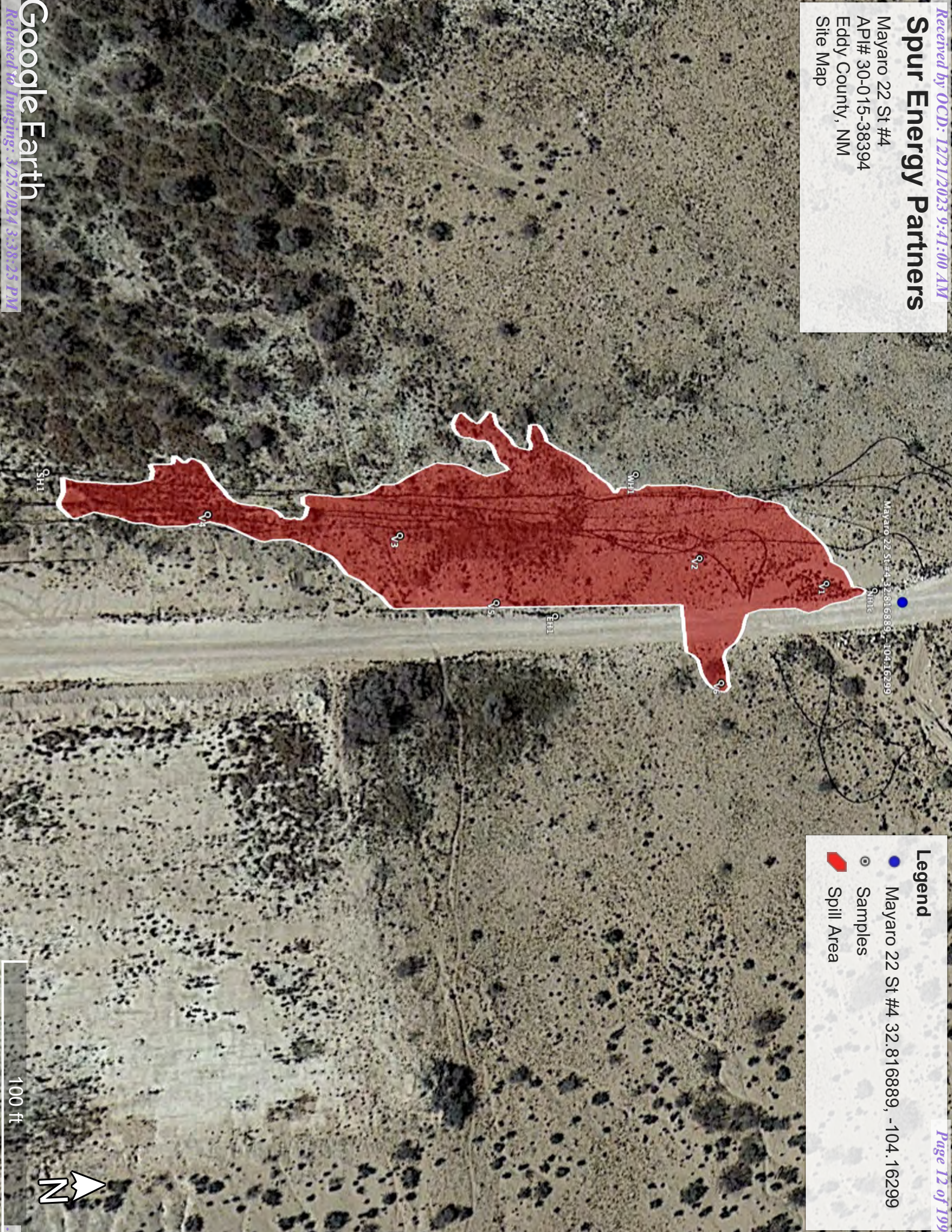
- 1- Site Map
- 2- Topo Map
- 3- Karst Map
- 4- Aerial Map
- 5- 4-Foot Excavation Map
- 6- 5-Foot Excavation Map
- 7- Groundwater Map

Spur Energy Partners

Mayaro 22 St #4
API# 30-015-38394
Eddy County, NM
Site Map

Legend

- Mayaro 22 St #4 32.816889, -104.16299
- Samples
- Spill Area



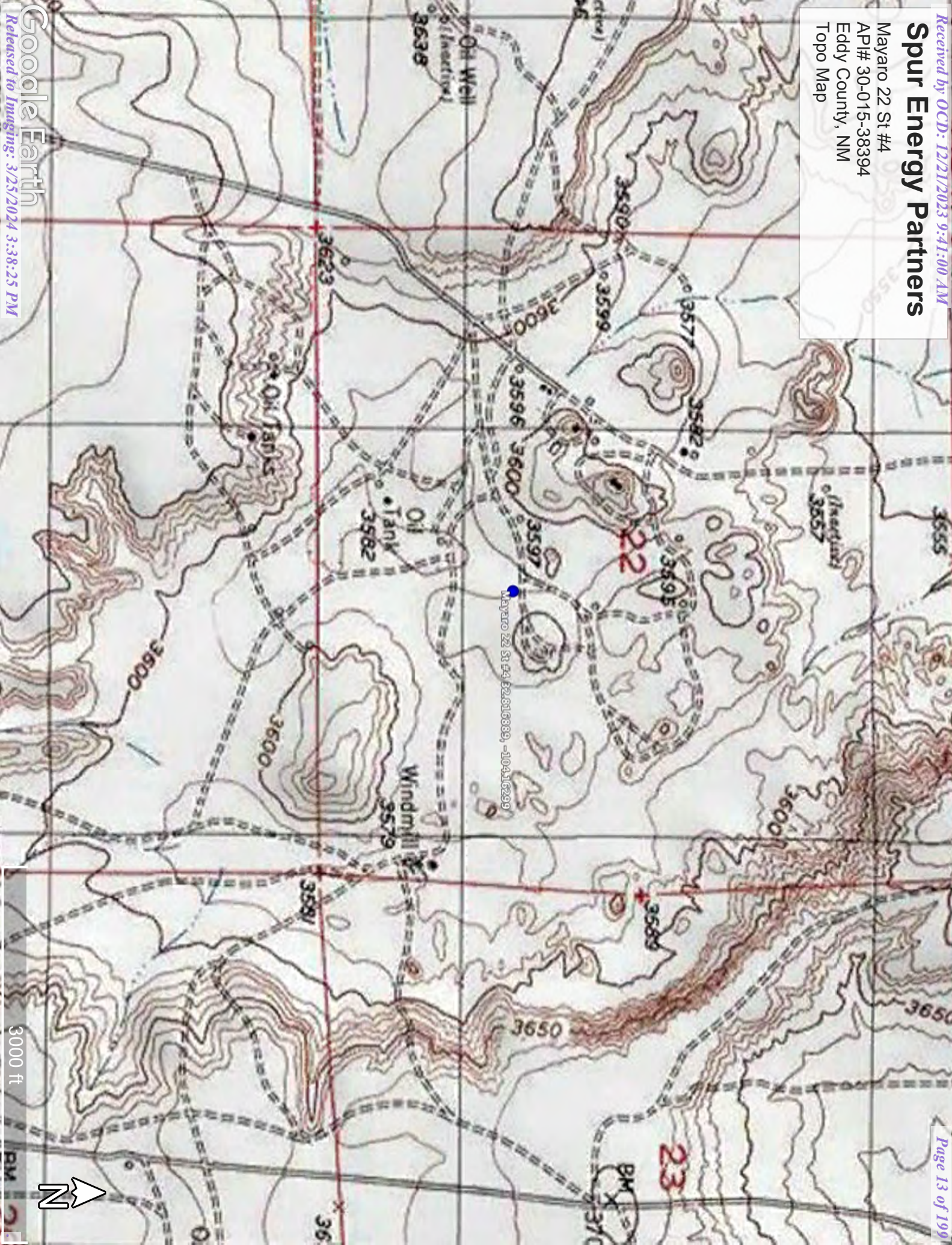
100 ft



Spur Energy Partners

Mayaro 22 St #4
API# 30-015-38394
Eddy County, NM
Topo Map

Google Earth
Released to Imaging: 3/25/2024 3:38:25 PM



Spur Energy Partners

Mayaro 22 St #4
API# 30-015-38394
Eddy County, NM
Karst Map

Legend

- High
- Low
- Medium

Mayaro 22 St #4 32.816889, -104.16299



1 mi

Spur Energy Partners




Mayaro 22 St #4
API# 30-015-38394
Eddy County, NM
Aerial Map

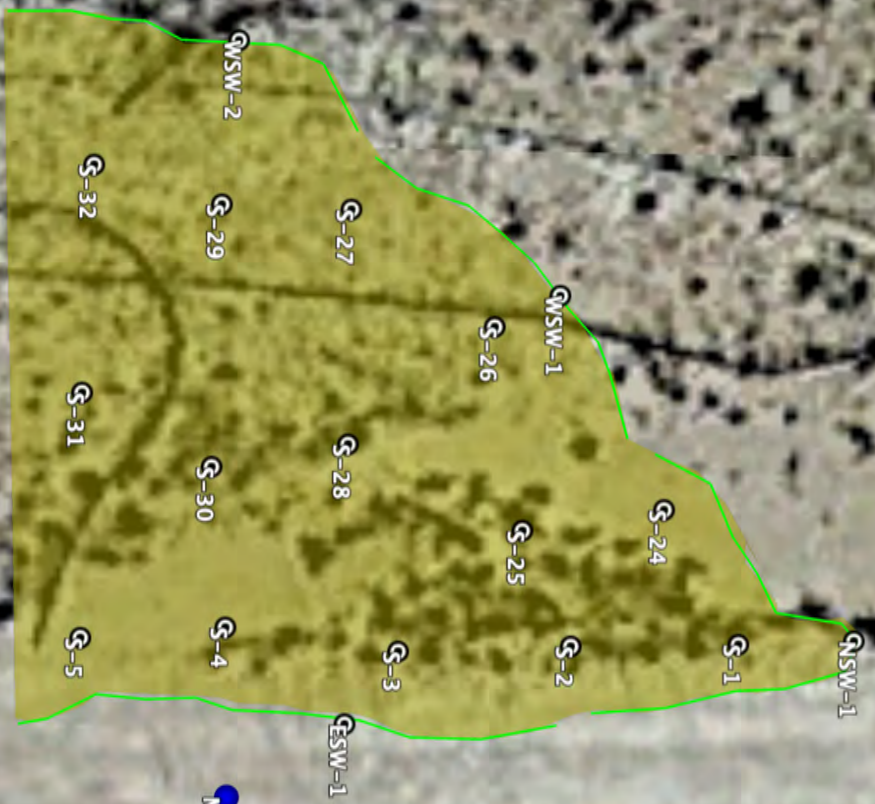


Spur Energy Partners

Mayaro 22 St #4
API# 30-015-38394
Eddy County, NM
4' Excavation Map

Legend

-  4-Foot Excavation
-  Confirmation Samples
-  Sidewall Sample Areas



Mayaro 22 St #4 32.816889, -104.16299



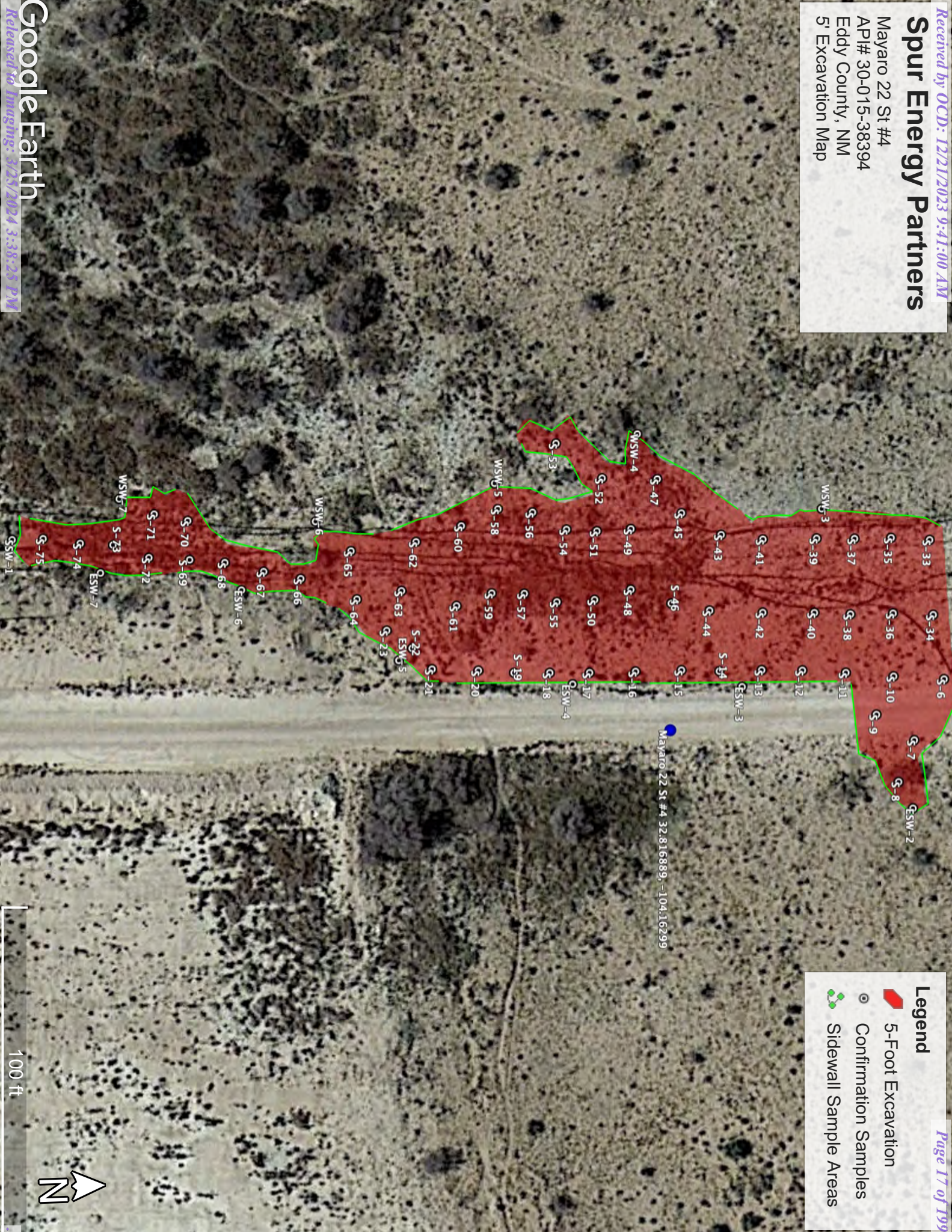
Legend

- 5-Foot Excavation
- Confirmation Samples
- Sidewall Sample Areas

5-Foot Excavation

- Confirmation Samples



 Sidewall Sample Areas



Spur Energy Partners

Mayaro 22 St #4
API# 30-015-38394
Eddy County, NM
Groundwater Map

Legend

-  0.28 Mile
-  USGS Water Data





Appendix A
Referenced Water Data:

New Mexico State of Engineers Office

USGS Groundwater Data



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

No records found.

UTMNAD83 Radius Search (in meters):

Easting (X): 578352.201 **Northing (Y):** 3631263.844 **Radius:** 1000

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

12/11/23 10:48 AM

WATER COLUMN/ AVERAGE
DEPTH TO WATER

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Site Information

Geographic Area:

United States

GO

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- [Full News](#)

USGS 324855104093101 17S.28E.22.34242

Well Site

Available data for this site

SUMMARY OF ALL AVAILABLE DATA

GO

DESCRIPTION:

Latitude 32°48'55", Longitude 104°09'31" NAD27
Eddy County, New Mexico , Hydrologic Unit 13060011
Well depth: 95.00 feet
Land surface altitude: 3,578 feet above NGVD29.
Well completed in "Other aquifers" (N9999OTHER) national aquifer.
Well completed in "Alluvium, Bolson Deposits and Other Surface Deposits" (110AVMB) local aquifer

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level measurements	1986-05-20	1999-01-13	4
Revisions	Unavailable (site:0) (timeseries:0)		

OPERATION:

Record for this site is maintained by the USGS New Mexico Water Science Center
Email questions about this site to [New Mexico Water Science Center Water-Data Inquiries](#)

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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)
Title: NWIS Site Information for USA: Site Inventory
URL: https://waterdata.usgs.gov/nwis/inventory?agency_code=USGS&site_no=324855104093101

Page Contact Information: [New Mexico Water Data Support Team](#)
Page Last Modified: 2023-12-08 11:35:20 EST
0.54 0.47 sdlww02



National Water Information System: Web Interface

[USGS Water Resources](#)

Data Category:


Groundwater

Geographic Area:

United States

GO

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Groundwater levels for the Nation

Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

site_no list =

- 324855104093101

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

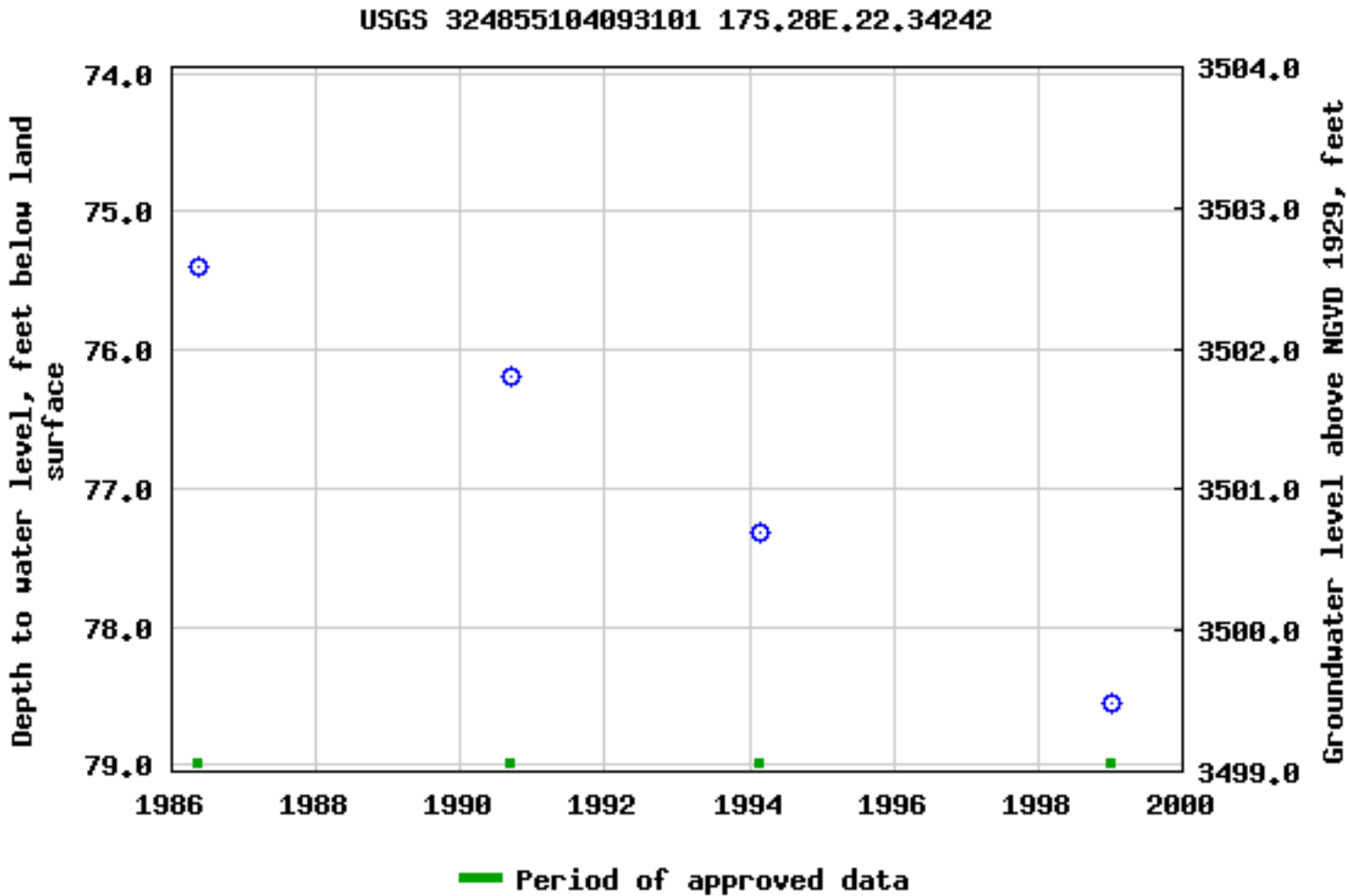
USGS 324855104093101 17S.28E.22.34242

Available data for this site Groundwater: Field measurements GO

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°48'55", Longitude 104°09'31" NAD27
Land-surface elevation 3,578 feet above NGVD29
The depth of the well is 95.00 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



Breaks in the plot represent a gap of at least one year between field measurements.

[Download a presentation-quality graph](#)

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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)
Title: Groundwater for USA: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>

Page Contact Information: [USGS Water Data Support Team](#)
Page Last Modified: 2023-12-08 11:41:30 EST
0.61 0.53 nadww01



Appendix B
Soil Survey:

U.S.D.A.

FEMA Flood Map

Map Unit Description: Largo-Stony land complex, 0 to 25 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

LN—Largo-Stony land complex, 0 to 25 percent slopes

Map Unit Setting

National map unit symbol: 1w50

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: 41 percent

Stony land: 40 percent

Minor components: 19 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)

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-Stony land complex, 0 to 25 percent slopes---Eddy Area, New Mexico

Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Minor Components

Simona

Percent of map unit: 7 percent
Ecological site: R070BD002NM - Shallow Sandy
Hydric soil rating: No

Largo

Percent of map unit: 6 percent
Ecological site: R070BC017NM - Bottomland
Hydric soil rating: No

Pajarito

Percent of map unit: 6 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 19, Sep 7, 2023

National Flood Hazard Layer FIRMette



104°10'5"W 32°49'16"N



Legend

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


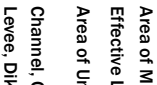
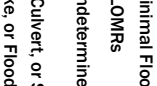

SPECIAL FLOOD HAZARD AREAS

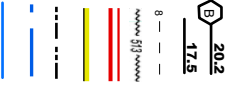
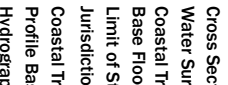
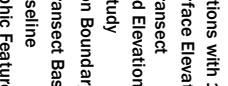


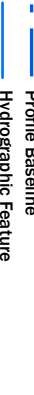
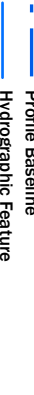
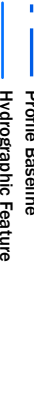
	Without Base Flood Elevation (BFE) Zone A, V, A99
	With BFE or Depth Zone AE, AO, AH, VE, AR Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD


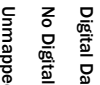
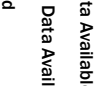
	0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
	Future Conditions 1% Annual Chance Flood Hazard Zone X
	Area with Reduced Flood Risk due to Levee. See Notes. Zone X
	Area with Flood Risk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


OTHER AREAS GENERAL STRUCTURES

	NO SCREEN Area of Minimal Flood Hazard Zone X
	Effective LOMRs Area of Undetermined Flood Hazard Zone D
	Channel, Culvert, or Storm Sewer
	Levee, Dike, or Floodwall

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

MAP PANELS

	Digital Data Available
	No Digital Data Available
	Unmapped

 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 12/8/2023 at 9:48 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



104°9'28"W 32°48'46"N





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: <u>Katherine Purvis</u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: <u>Michael Buchanan</u>	Date: <u>06/02/2023</u>

Incident ID	nAPP2315041512
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>95</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 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.

Incident ID	nAPP2315041512
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: 12/21/2023

email: katherine.purvis@spurenergy.com

Telephone: 575-441-8619

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____

Date: _____

Incident ID	nAPP2315041512
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: 12/21/2023

email: katherine.purvis@spurenergy.com

Telephone: 575-441-8619

OCD Only

Received by: _____

Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____

Title: _____



Appendix D:

Email Notification

Photographic Documentation

Thursday, November 16, 2023 at 13:24:13 Mountain Standard Time

Subject: (none)

Date: Thursday, November 9, 2023 at 1:47:53 PM Mountain Standard Time

From: Angel Pena

To: Bratcher, Michael, EMNRD, Chris Jones, Hamlet, Robert, EMNRD, Harimon, Jocelyn, EMNRD, Nobui, Jennifer, EMNRD, Tristan Jones

All

Good morning ! This is to inform you all we will be collecting confirmation samples at the Mayaro 22 ST #004 , on 11-14-23 at 8:00 AM . If you have any questions or concerns, please let me know.

Incident number~ napp2315041512

Thank You,

Angel Peña

575-605-0773

Paragon Environmental LLC.

Thursday, November 16, 2023 at 13:23:12 Mountain Standard Time

Subject: RE: [EXTERNAL] Mayaro 22 St #4
Date: Thursday, November 16, 2023 at 1:22:08 PM Mountain Standard Time
From: Bratcher, Michael, EMNRD
To: Angel Pena, Chris Jones, Hamlet, Robert, EMNRD, Harimon, Jocelyn, EMNRD, Nobui, Jennifer, EMNRD
Attachments: image001.jpg

Angel,

Notification received. Please include a copy of all correspondence in your reports. Note, Jocelyn Harimon and Jennifer Nobui are no longer with OCD.

Thanks,

Mike Bratcher • Incident Supervisor
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave | Artesia, NM 88210
(575) 626-0857 | mike.bratcher@emnrd.nm.gov
<http://www.emnrd.nm.gov/oed>



From: Angel Pena <angel@paragonenvironmental.net>
Sent: Thursday, November 16, 2023 12:29 PM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Chris Jones <chris@paragonenvironmental.net>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Subject: [EXTERNAL] Mayaro 22 St #4

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

All

Good morning ! This is to inform you all we will be collecting confirmation samples at the **Mayaro** 22 ST #004 , on 11-21-23 at 8:00 AM . If you have any questions or concerns, please let me know.

Incident number~ napp2315041512

Thank You,

Angel Peña
575-605-0773
Paragon Environmental LLC.



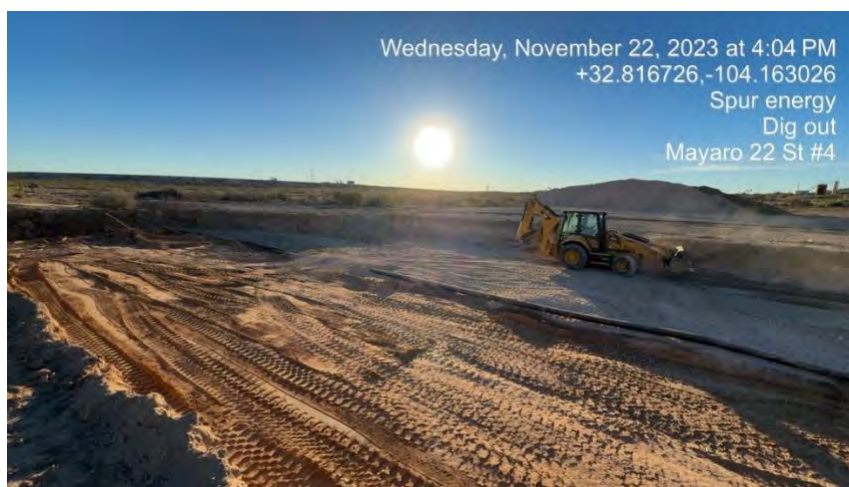
Photographic Documentation

Before



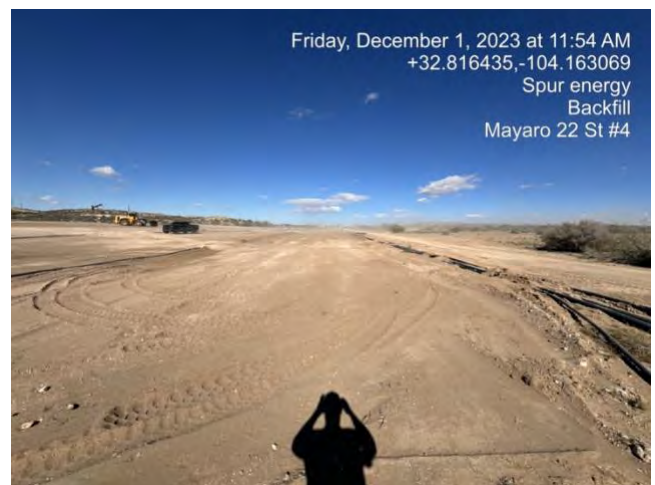


Dig Out





Completed







Appendix E:
Laboratory Results



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

June 14, 2023

ZACH CONDER

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: MAYARO 22 STATE 4

Enclosed are the results of analyses for samples received by the laboratory on 06/09/23 8:50.

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:

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

Received:	06/09/2023	Sampling Date:	06/08/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	MAYARO 22 STATE 4	Sampling Condition:	Cool & Intact
Project Number:	18272	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

Sample ID: V 1 @ 0' (H232960-01)

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2023	ND	2.34	117	2.00	4.96	
Toluene*	<0.050	0.050	06/10/2023	ND	2.33	116	2.00	5.39	
Ethylbenzene*	<0.050	0.050	06/10/2023	ND	2.28	114	2.00	4.67	
Total Xylenes*	<0.150	0.150	06/10/2023	ND	6.90	115	6.00	3.83	
Total BTX	<0.300	0.300	06/10/2023	ND					

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14000	16.0	06/12/2023	ND	432	108	400	3.64	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2023	ND	188	94.1	200	3.18	
DRO >C10-C28*	161	10.0	06/09/2023	ND	187	93.7	200	2.62	
EXT DRO >C28-C36	46.5	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/08/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	MAYARO 22 STATE 4	Sampling Condition:	Cool & Intact
Project Number:	18272	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

Sample ID: V 1 @ 4' (H232960-02)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2023	ND	2.34	117	2.00	4.96	
Toluene*	<0.050	0.050	06/10/2023	ND	2.33	116	2.00	5.39	
Ethylbenzene*	<0.050	0.050	06/10/2023	ND	2.28	114	2.00	4.67	
Total Xylenes*	<0.150	0.150	06/10/2023	ND	6.90	115	6.00	3.83	
Total BTEx	<0.300	0.300	06/10/2023	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	288	16.0	06/12/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2023	ND	188	94.1	200	3.18	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	187	93.7	200	2.62	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/08/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	MAYARO 22 STATE 4	Sampling Condition:	Cool & Intact
Project Number:	18272	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

Sample ID: V 2 @ 0' (H232960-03)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2023	ND	2.34	117	2.00	4.96	
Toluene*	<0.050	0.050	06/10/2023	ND	2.33	116	2.00	5.39	
Ethylbenzene*	<0.050	0.050	06/10/2023	ND	2.28	114	2.00	4.67	
Total Xylenes*	<0.150	0.150	06/10/2023	ND	6.90	115	6.00	3.83	
Total BTEx	<0.300	0.300	06/10/2023	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	32800	16.0	06/12/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2023	ND	188	94.1	200	3.18	
DRO >C10-C28*	185	10.0	06/09/2023	ND	187	93.7	200	2.62	
EXT DRO >C28-C36	60.3	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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

Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/08/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	MAYARO 22 STATE 4	Sampling Condition:	Cool & Intact
Project Number:	18272	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

Sample ID: V 2 @ 5' (H232960-04)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2023	ND	2.34	117	2.00	4.96	
Toluene*	<0.050	0.050	06/10/2023	ND	2.33	116	2.00	5.39	
Ethylbenzene*	<0.050	0.050	06/10/2023	ND	2.28	114	2.00	4.67	
Total Xylenes*	<0.150	0.150	06/10/2023	ND	6.90	115	6.00	3.83	
Total BTEx	<0.300	0.300	06/10/2023	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	2680	16.0	06/12/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2023	ND	188	94.1	200	3.18	
DRO >C10-C28*	33.5	10.0	06/09/2023	ND	187	93.7	200	2.62	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

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Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/08/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	MAYARO 22 STATE 4	Sampling Condition:	Cool & Intact
Project Number:	18272	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

Sample ID: V 3 @ 0' (H232960-05)

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	06/09/2023	ND	2.00	100	2.00	10.4	
Toluene*	0.073	0.050	06/09/2023	ND	2.04	102	2.00	11.3	
Ethylbenzene*	0.200	0.050	06/09/2023	ND	1.99	99.4	2.00	10.3	
Total Xylenes*	0.439	0.150	06/09/2023	ND	6.17	103	6.00	10.5	
Total BTEX	0.712	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	37600	16.0	06/12/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	26.7	10.0	06/09/2023	ND	188	94.1	200	3.18	
DRO >C10-C28*	1170	10.0	06/09/2023	ND	187	93.7	200	2.62	
EXT DRO >C28-C36	300	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/08/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	MAYARO 22 STATE 4	Sampling Condition:	Cool & Intact
Project Number:	18272	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

Sample ID: V 3 @ 5' (H232960-06)

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	06/09/2023	ND	2.00	100	2.00	10.4		
Toluene*	<0.050	0.050	06/09/2023	ND	2.04	102	2.00	11.3		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	1.99	99.4	2.00	10.3		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.17	103	6.00	10.5		
Total BTEX	<0.300	0.300	06/09/2023	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	768	16.0	06/12/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2023	ND	188	94.1	200	3.18	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	187	93.7	200	2.62	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

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

Received: 06/09/2023
 Reported: 06/14/2023
 Project Name: MAYARO 22 STATE 4
 Project Number: 18272
 Project Location: SPUR-RURAL EDDY COUNTY, NM

Sampling Date: 06/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V 4 @ 0' (H232960-07)

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	06/09/2023	ND	2.00	100	2.00	10.4	
Toluene*	<0.050	0.050	06/09/2023	ND	2.04	102	2.00	11.3	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	1.99	99.4	2.00	10.3	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.17	103	6.00	10.5	
Total BTEX	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	15600	16.0	06/12/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2023	ND	188	94.1	200	3.18	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	187	93.7	200	2.62	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

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

Received: 06/09/2023
 Reported: 06/14/2023
 Project Name: MAYARO 22 STATE 4
 Project Number: 18272
 Project Location: SPUR-RURAL EDDY COUNTY, NM

Sampling Date: 06/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V 4 @ 5' (H232960-08)

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	06/09/2023	ND	2.00	100	2.00	10.4		
Toluene*	<0.050	0.050	06/09/2023	ND	2.04	102	2.00	11.3		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	1.99	99.4	2.00	10.3		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.17	103	6.00	10.5		
Total BTEX	<0.300	0.300	06/09/2023	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	4880	16.0	06/12/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2023	ND	188	94.1	200	3.18	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	187	93.7	200	2.62	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/08/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	MAYARO 22 STATE 4	Sampling Condition:	Cool & Intact
Project Number:	18272	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

Sample ID: V 5 @ 0' (H232960-09)

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	06/09/2023	ND	2.00	100	2.00	10.4		
Toluene*	<0.050	0.050	06/09/2023	ND	2.04	102	2.00	11.3		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	1.99	99.4	2.00	10.3		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.17	103	6.00	10.5		
Total BTEX	<0.300	0.300	06/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	15400	16.0	06/12/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2023	ND	188	94.1	200	3.18	
DRO >C10-C28*	69.5	10.0	06/09/2023	ND	187	93.7	200	2.62	
EXT DRO >C28-C36	10.7	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/08/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	MAYARO 22 STATE 4	Sampling Condition:	Cool & Intact
Project Number:	18272	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

Sample ID: V 5 @ 5' (H232960-10)

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	06/09/2023	ND	2.00	100	2.00	10.4	
Toluene*	<0.050	0.050	06/09/2023	ND	2.04	102	2.00	11.3	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	1.99	99.4	2.00	10.3	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.17	103	6.00	10.5	
Total BTX	<0.300	0.300	06/09/2023	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	2640	16.0	06/12/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2023	ND	188	94.1	200	3.18	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	187	93.7	200	2.62	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/09/2023	Sampling Date:	06/08/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	MAYARO 22 STATE 4	Sampling Condition:	Cool & Intact
Project Number:	18272	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

Sample ID: V 6 @ 0' (H232960-11)

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	06/09/2023	ND	2.00	100	2.00	10.4	
Toluene*	<0.050	0.050	06/09/2023	ND	2.04	102	2.00	11.3	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	1.99	99.4	2.00	10.3	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.17	103	6.00	10.5	
Total BTEx	<0.300	0.300	06/09/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13400	16.0	06/12/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2023	ND	188	94.1	200	3.18	
DRO >C10-C28*	35.9	10.0	06/09/2023	ND	187	93.7	200	2.62	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane 93.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/08/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	MAYARO 22 STATE 4	Sampling Condition:	Cool & Intact
Project Number:	18272	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

Sample ID: V 6 @ 5' (H232960-12)

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	06/09/2023	ND	2.00	100	2.00	10.4		
Toluene*	<0.050	0.050	06/09/2023	ND	2.04	102	2.00	11.3		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	1.99	99.4	2.00	10.3		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.17	103	6.00	10.5		
Total BTEX	<0.300	0.300	06/09/2023	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	992	16.0	06/12/2023	ND	432	108	400	0.00	QM-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	06/09/2023	ND	188	94.1	200	3.18	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	187	93.7	200	2.62	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/08/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	MAYARO 22 STATE 4	Sampling Condition:	Cool & Intact
Project Number:	18272	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

Sample ID: NH 1C @ 0' (H232960-13)

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	06/09/2023	ND	2.00	100	2.00	10.4		
Toluene*	<0.050	0.050	06/09/2023	ND	2.04	102	2.00	11.3		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	1.99	99.4	2.00	10.3		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.17	103	6.00	10.5		
Total BTEX	<0.300	0.300	06/09/2023	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	80.0	16.0	06/12/2023	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	06/09/2023	ND	188	94.1	200	3.18	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	187	93.7	200	2.62	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/09/2023
 Reported: 06/14/2023
 Project Name: MAYARO 22 STATE 4
 Project Number: 18272
 Project Location: SPUR-RURAL EDDY COUNTY, NM

Sampling Date: 06/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NH 1C @ 1' (H232960-14)

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	06/09/2023	ND	2.00	100	2.00	10.4	
Toluene*	<0.050	0.050	06/09/2023	ND	2.04	102	2.00	11.3	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	1.99	99.4	2.00	10.3	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.17	103	6.00	10.5	
Total BTEX	<0.300	0.300	06/09/2023	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	06/12/2023	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	06/09/2023	ND	188	94.1	200	3.18	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	187	93.7	200	2.62	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/08/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	MAYARO 22 STATE 4	Sampling Condition:	Cool & Intact
Project Number:	18272	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

Sample ID: EH 1 @ 0' (H232960-15)

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	06/09/2023	ND	2.00	100	2.00	10.4	
Toluene*	<0.050	0.050	06/09/2023	ND	2.04	102	2.00	11.3	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	1.99	99.4	2.00	10.3	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.17	103	6.00	10.5	
Total BTEx	<0.300	0.300	06/09/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	06/12/2023	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	06/09/2023	ND	188	94.1	200	3.18	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	187	93.7	200	2.62	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/08/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	MAYARO 22 STATE 4	Sampling Condition:	Cool & Intact
Project Number:	18272	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

Sample ID: EH 1 @ 1' (H232960-16)

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	06/09/2023	ND	2.00	100	2.00	10.4		
Toluene*	<0.050	0.050	06/09/2023	ND	2.04	102	2.00	11.3		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	1.99	99.4	2.00	10.3		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.17	103	6.00	10.5		
Total BTEx	<0.300	0.300	06/09/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/12/2023	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	06/09/2023	ND	188	94.1	200	3.18	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	187	93.7	200	2.62	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane 79.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

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Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/08/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	MAYARO 22 STATE 4	Sampling Condition:	Cool & Intact
Project Number:	18272	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

Sample ID: SH 1 @ 0' (H232960-17)

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	06/09/2023	ND	2.00	100	2.00	10.4		
Toluene*	<0.050	0.050	06/09/2023	ND	2.04	102	2.00	11.3		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	1.99	99.4	2.00	10.3		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.17	103	6.00	10.5		
Total BTEx	<0.300	0.300	06/09/2023	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	06/12/2023	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	06/09/2023	ND	188	94.1	200	3.18	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	187	93.7	200	2.62	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/08/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	MAYARO 22 STATE 4	Sampling Condition:	Cool & Intact
Project Number:	18272	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

Sample ID: SH 1 @ 1' (H232960-18)

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	06/09/2023	ND	2.00	100	2.00	10.4		
Toluene*	<0.050	0.050	06/09/2023	ND	2.04	102	2.00	11.3		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	1.99	99.4	2.00	10.3		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.17	103	6.00	10.5		
Total BTEX	<0.300	0.300	06/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	06/12/2023	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	06/09/2023	ND	188	94.1	200	3.18	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	187	93.7	200	2.62	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane 76.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.5 % 49.1-148

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

Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/08/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	MAYARO 22 STATE 4	Sampling Condition:	Cool & Intact
Project Number:	18272	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

Sample ID: WH 1 @ 0' (H232960-19)

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	06/09/2023	ND	2.00	100	2.00	10.4	
Toluene*	<0.050	0.050	06/09/2023	ND	2.04	102	2.00	11.3	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	1.99	99.4	2.00	10.3	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.17	103	6.00	10.5	
Total BTEX	<0.300	0.300	06/09/2023	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	06/12/2023	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	06/09/2023	ND	188	94.1	200	3.18	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	187	93.7	200	2.62	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane 79.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

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Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/08/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	MAYARO 22 STATE 4	Sampling Condition:	Cool & Intact
Project Number:	18272	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

Sample ID: WH 1 @ 1' (H232960-20)

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	06/10/2023	ND	2.00	100	2.00	10.4		
Toluene*	<0.050	0.050	06/10/2023	ND	2.04	102	2.00	11.3		
Ethylbenzene*	<0.050	0.050	06/10/2023	ND	1.99	99.4	2.00	10.3		
Total Xylenes*	<0.150	0.150	06/10/2023	ND	6.17	103	6.00	10.5		
Total BTEX	<0.300	0.300	06/10/2023	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	06/12/2023	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	06/09/2023	ND	225	112	200	4.60	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	194	96.9	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane 79.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.9 % 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 "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.		BILL TO		ANALYSIS REQUEST									
Project Manager: Zach Conder		P.O. #:											
Address: 2617 W Marland		Company: Spur Energy Partners											
City: Hobbs		Attn: Kathy Purvis											
Phone #: (575) 264-9884		Address:											
Fax #:		City:											
Project #: 18272		State: NM											
Project Owner: Spur Energy Partners		Zip: 88240											
Project Name: Mayaro 22 State 4		State: NM											
Project Location: Rural Eddy County, NM		Phone #:											
Sampler Name: Matthew Grieco		Fax #:											
FOR LAB USE ONLY													
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING	
								GROUNDWATER					
								WASTEWATER					
								SOIL					
								OIL					
								SLUDGE					
								OTHER :					
								ACID/BASE:					
								ICE / COOL					
								OTHER :					
								DATE		TIME			
H233960		V1 @ 0'		G		1		X		6/8/23		X	
1		V1 @ 4'		G		1		X		6/8/23		X	
2		V2 @ 0'		G		1		X		6/8/23		X	
3		V2 @ 5'		G		1		X		6/8/23		X	
4		V3 @ 0'		G		1		X		6/8/23		X	
5		V3 @ 5'		G		1		X		6/8/23		X	
6		V4 @ 0'		G		1		X		6/8/23		X	
7		V4 @ 5'		G		1		X		6/8/23		X	
8		V5 @ 0'		G		1		X		6/8/23		X	
9		V5 @ 5'		G		1		X		6/8/23		X	
10		V5 @ 5'		G		1		X		6/8/23		X	
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Relinquished By:		Date: 6-9-23		Received By:		Phone Result:		Yes <input type="checkbox"/> No <input type="checkbox"/>		Add'l Phone #:			
Relinquished By:		Date: 6-8-23		Received By:		Fax Result:		Yes <input type="checkbox"/> No <input type="checkbox"/>		Add'l Fax #:			
Time:				Time:									
Delivered By: (Circle One)		Sample Condition		CHECKED BY:									
Sampler - UPS - Bus - Other:		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		(Initials)									
-9.8°C / -10.4		#13		98									
FORM-006 Revision 1.0 † Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476													



ORDINAL LABORATORIES

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Page 2 of 2

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

November 30, 2023

CHRIS JONES

PARAGON ENVIROMENTAL

1601 N TURNER ST., STE 500

HOBBS, NM 88240

RE: MAYARO 22 ST. #4

Enclosed are the results of analyses for samples received by the laboratory on 11/14/23 16:55.

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/ga/lab_accred_certif.html.

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

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

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

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

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

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
ESW - 1 @ 4'	H236241-01	Soil	14-Nov-23 00:00	14-Nov-23 16:55
ESW - 2 @ 4'	H236241-02	Soil	14-Nov-23 00:00	14-Nov-23 16:55
ESW - 3 @ 5'	H236241-03	Soil	14-Nov-23 00:00	14-Nov-23 16:55
ESW - 4 @ 5'	H236241-04	Soil	14-Nov-23 00:00	14-Nov-23 16:55
ESW - 5 @ 5'	H236241-05	Soil	14-Nov-23 00:00	14-Nov-23 16:55
ESW - 6 @ 5'	H236241-06	Soil	14-Nov-23 00:00	14-Nov-23 16:55
ESW - 7 @ 5'	H236241-07	Soil	14-Nov-23 00:00	14-Nov-23 16:55
S - 1 @ 4'	H236241-08	Soil	14-Nov-23 00:00	14-Nov-23 16:55
S - 2 @ 4'	H236241-09	Soil	14-Nov-23 00:00	14-Nov-23 16:55
S - 3 @ 4'	H236241-10	Soil	14-Nov-23 00:00	14-Nov-23 16:55
S - 4 @ 4'	H236241-11	Soil	14-Nov-23 00:00	14-Nov-23 16:55
S - 5 @ 4'	H236241-12	Soil	14-Nov-23 00:00	14-Nov-23 16:55
S - 6 @ 5'	H236241-13	Soil	14-Nov-23 00:00	14-Nov-23 16:55
S - 7 @ 5'	H236241-14	Soil	14-Nov-23 00:00	14-Nov-23 16:55
S - 8 @ 5'	H236241-15	Soil	14-Nov-23 00:00	14-Nov-23 16:55
S - 9 @ 5'	H236241-16	Soil	14-Nov-23 00:00	14-Nov-23 16:55
S - 10 @ 5'	H236241-17	Soil	14-Nov-23 00:00	14-Nov-23 16:55
S - 11 @ 5'	H236241-18	Soil	14-Nov-23 00:00	14-Nov-23 16:55
S - 12 @ 5'	H236241-19	Soil	14-Nov-23 00:00	14-Nov-23 16:55
S - 13 @ 5'	H236241-20	Soil	14-Nov-23 00:00	14-Nov-23 16:55
S - 14 @ 5'	H236241-21	Soil	14-Nov-23 00:00	14-Nov-23 16:55
S - 15 @ 5'	H236241-22	Soil	14-Nov-23 00:00	14-Nov-23 16:55
S - 16 @ 5'	H236241-23	Soil	14-Nov-23 00:00	14-Nov-23 16:55
S - 17 @ 5'	H236241-24	Soil	14-Nov-23 00:00	14-Nov-23 16:55
S - 18 @ 5'	H236241-25	Soil	14-Nov-23 00:00	14-Nov-23 16:55
S - 19 @ 5'	H236241-26	Soil	14-Nov-23 00:00	14-Nov-23 16:55
S - 20 @ 5'	H236241-27	Soil	14-Nov-23 00:00	14-Nov-23 16:55

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

S - 21 @ 5'	H236241-28	Soil	14-Nov-23 00:00	14-Nov-23 16:55
S - 22 @ 5'	H236241-29	Soil	14-Nov-23 00:00	14-Nov-23 16:55
S - 23 @ 5'	H236241-30	Soil	14-Nov-23 00:00	14-Nov-23 16:55

11/29/23 - Client changed the project name (see COC). This is the revised report and will replace the one sent on 11/17/23.

11/30/23 - Client added sample depths and composite to all samples (see COC). This is the 2nd revision of the report and will replace the one sent on 11/29/23.

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Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

ESW - 1 @ 4'**H236241-01 (Soil)**

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

Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	3111711	HM	17-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3111542	JH/	16-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134 3111542 JH/ 16-Nov-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	

Surrogate: 1-Chlorooctane 75.5 % 48.2-134 3111529 MS 16-Nov-23 8015B

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148 3111529 MS 16-Nov-23 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

ESW - 2 @ 4'**H236241-02 (Soil)**

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

Chloride	32.0		16.0	mg/kg	4	3111711	HM	17-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3111542	JH/	16-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			113 %		71.5-134	3111542	JH/	16-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	

Surrogate: 1-Chlorooctane			72.0 %		48.2-134	3111529	MS	16-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane			92.6 %		49.1-148	3111529	MS	16-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

ESW - 3 @ 5'**H236241-03 (Soil)**

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

Chloride	144		16.0	mg/kg	4	3111711	HM	17-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3111542	JH/	16-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	113 %	71.5-134	3111542	JH/	16-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B

Surrogate: 1-Chlorooctane	62.8 %	48.2-134	3111529	MS	16-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	79.5 %	49.1-148	3111529	MS	16-Nov-23	8015B
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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

ESW - 4 @ 5'**H236241-04 (Soil)**

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

Chloride	80.0		16.0	mg/kg	4	3111711	HM	17-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3111542	JH/	16-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	114 %	71.5-134	3111542	JH/	16-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B

Surrogate: 1-Chlorooctane	79.3 %	48.2-134	3111529	MS	16-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	101 %	49.1-148	3111529	MS	16-Nov-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

ESW - 5 @ 5'**H236241-05 (Soil)**

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

Chloride	32.0		16.0	mg/kg	4	3111711	HM	17-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3111542	JH/	16-Nov-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			113 %		71.5-134	3111542	JH/	16-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			77.9 %		48.2-134	3111529	MS	16-Nov-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			98.3 %		49.1-148	3111529	MS	16-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

ESW - 6 @ 5'**H236241-06 (Soil)**

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

Chloride	32.0		16.0	mg/kg	4	3111711	HM	17-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3111542	JH/	16-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			112 %	71.5-134		3111542	JH/	16-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	

Surrogate: 1-Chlorooctane			73.7 %	48.2-134		3111529	MS	16-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane			93.3 %	49.1-148		3111529	MS	16-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

ESW - 7 @ 5'**H236241-07 (Soil)**

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

Chloride	368		16.0	mg/kg	4	3111711	HM	17-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3111542	JH/	16-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	112 %	71.5-134	3111542	JH/	16-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B

Surrogate: 1-Chlorooctane	73.0 %	48.2-134	3111529	MS	16-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	96.8 %	49.1-148	3111529	MS	16-Nov-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

S - 1 @ 4'
H236241-08 (Soil)

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

Chloride	1260		16.0	mg/kg	4	3111711	HM	17-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3111542	JH/	16-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		113 %		71.5-134	3111542	JH/	16-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	

Surrogate: 1-Chlorooctane		78.9 %		48.2-134	3111529	MS	16-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane		103 %		49.1-148	3111529	MS	16-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

S - 2 @ 4'
H236241-09 (Soil)

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

Chloride	240		16.0	mg/kg	4	3111711	HM	17-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3111542	JH/	16-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	112 %	71.5-134	3111542	JH/	16-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	

Surrogate: 1-Chlorooctane	75.4 %	48.2-134	3111529	MS	16-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane	98.6 %	49.1-148	3111529	MS	16-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

S - 3 @ 4'
H236241-10 (Soil)

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

Chloride	976		16.0	mg/kg	4	3111711	HM	17-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3111542	JH/	16-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		115 %		71.5-134	3111542	JH/	16-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	

Surrogate: 1-Chlorooctane		71.7 %		48.2-134	3111529	MS	16-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane		94.4 %		49.1-148	3111529	MS	16-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

S - 4 @ 4'
H236241-11 (Soil)

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

Chloride	1390		16.0	mg/kg	4	3111711	HM	17-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3111542	JH/	16-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		111 %		71.5-134	3111542	JH/	16-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	

Surrogate: 1-Chlorooctane		76.4 %		48.2-134	3111529	MS	16-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane		101 %		49.1-148	3111529	MS	16-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

S - 5 @ 4'
H236241-12 (Soil)

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

Chloride	1390		16.0	mg/kg	4	3111711	HM	17-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B
Toluene*	<0.050	0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	3111542	JH/	16-Nov-23	8021B
Total BTEX	<0.300	0.300	mg/kg	50	3111542	JH/	16-Nov-23	8021B

Surrogate: 4-Bromofluorobenzene (PID)	112 %	71.5-134	3111542	JH/	16-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B

Surrogate: 1-Chlorooctane	63.4 %	48.2-134	3111529	MS	16-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	83.5 %	49.1-148	3111529	MS	16-Nov-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

S - 6 @ 5'
H236241-13 (Soil)

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

Chloride	1380		16.0	mg/kg	4	3111711	HM	17-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3111542	JH/	16-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		112 %		71.5-134	3111542	JH/	16-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	

Surrogate: 1-Chlorooctane		66.7 %		48.2-134	3111529	MS	16-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane		86.7 %		49.1-148	3111529	MS	16-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

S - 7 @ 5'
H236241-14 (Soil)

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

Chloride	2360		16.0	mg/kg	4	3111630	HM	16-Nov-23	4500-Cl-B	QM-07
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3111542	JH/	16-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134 3111542 JH/ 16-Nov-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	

Surrogate: 1-Chlorooctane 75.9 % 48.2-134 3111529 MS 16-Nov-23 8015B

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148 3111529 MS 16-Nov-23 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

S - 8 @ 5'
H236241-15 (Soil)

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

Chloride	2160		16.0	mg/kg	4	3111630	HM	16-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3111542	JH/	16-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3111542	JH/	16-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	114 %	71.5-134	3111542	JH/	16-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	

Surrogate: 1-Chlorooctane	76.3 %	48.2-134	3111529	MS	16-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane	95.3 %	49.1-148	3111529	MS	16-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

S - 9 @ 5'
H236241-16 (Soil)

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

Chloride	1680		16.0	mg/kg	4	3111630	HM	16-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3111611	JH/	16-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134 3111611 JH/ 16-Nov-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111529	MS	16-Nov-23	8015B	

Surrogate: 1-Chlorooctane 74.5 % 48.2-134 3111529 MS 16-Nov-23 8015B

Surrogate: 1-Chlorooctadecane 96.2 % 49.1-148 3111529 MS 16-Nov-23 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

S - 10 @ 5'
H236241-17 (Soil)

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

Chloride	384		16.0	mg/kg	4	3111630	HM	16-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3111611	JH/	16-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	111 %	71.5-134	3111611	JH/	16-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B	

Surrogate: 1-Chlorooctane	73.0 %	48.2-134	3111530	MS	16-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane	78.3 %	49.1-148	3111530	MS	16-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

S - 11 @ 5'
H236241-18 (Soil)

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

Chloride	208		16.0	mg/kg	4	3111630	HM	16-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3111611	JH/	16-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	107 %	71.5-134	3111611	JH/	16-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B

Surrogate: 1-Chlorooctane	78.5 %	48.2-134	3111530	MS	16-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	83.9 %	49.1-148	3111530	MS	16-Nov-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

S - 12 @ 5'
H236241-19 (Soil)

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

Chloride	2320		16.0	mg/kg	4	3111630	HM	16-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3111611	JH/	16-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	108 %	71.5-134	3111611	JH/	16-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B

Surrogate: 1-Chlorooctane	81.6 %	48.2-134	3111530	MS	16-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	86.6 %	49.1-148	3111530	MS	16-Nov-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

S - 13 @ 5'
H236241-20 (Soil)

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

Chloride	224		16.0	mg/kg	4	3111630	HM	16-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3111611	JH/	16-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	110 %	71.5-134	3111611	JH/	16-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B

Surrogate: 1-Chlorooctane	65.8 %	48.2-134	3111530	MS	16-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	71.2 %	49.1-148	3111530	MS	16-Nov-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

S - 14 @ 5'
H236241-21 (Soil)

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

Chloride	208		16.0	mg/kg	4	3111630	HM	16-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3111611	JH/	16-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	108 %	71.5-134	3111611	JH/	16-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B

Surrogate: 1-Chlorooctane	78.0 %	48.2-134	3111530	MS	16-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	84.8 %	49.1-148	3111530	MS	16-Nov-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

S - 15 @ 5'
H236241-22 (Soil)

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

Chloride	2880		16.0	mg/kg	4	3111630	HM	16-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3111611	JH/	16-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			102 %		71.5-134	3111611	JH/	16-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B	

Surrogate: 1-Chlorooctane			89.8 %		48.2-134	3111530	MS	16-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane			96.0 %		49.1-148	3111530	MS	16-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

S - 16 @ 5'
H236241-23 (Soil)

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

Chloride	64.0		16.0	mg/kg	4	3111630	HM	16-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3111611	JH/	16-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134 3111611 JH/ 16-Nov-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B	

Surrogate: 1-Chlorooctane 87.1 % 48.2-134 3111530 MS 16-Nov-23 8015B

Surrogate: 1-Chlorooctadecane 91.7 % 49.1-148 3111530 MS 16-Nov-23 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

S - 17 @ 5'
H236241-24 (Soil)

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

Chloride	2720		16.0	mg/kg	4	3111630	HM	16-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3111611	JH/	16-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	105 %	71.5-134	3111611	JH/	16-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B

Surrogate: 1-Chlorooctane	92.0 %	48.2-134	3111530	MS	16-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	98.1 %	49.1-148	3111530	MS	16-Nov-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

S - 18 @ 5'
H236241-25 (Soil)

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

Chloride	1840		16.0	mg/kg	4	3111630	HM	16-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3111611	JH/	16-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	109 %	71.5-134	3111611	JH/	16-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B

Surrogate: 1-Chlorooctane	94.1 %	48.2-134	3111530	MS	16-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	100 %	49.1-148	3111530	MS	16-Nov-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

S - 19 @ 5'
H236241-26 (Soil)

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

Chloride	208		16.0	mg/kg	4	3111630	HM	16-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3111611	JH/	16-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	109 %	71.5-134	3111611	JH/	16-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B

Surrogate: 1-Chlorooctane	88.8 %	48.2-134	3111530	MS	16-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	94.5 %	49.1-148	3111530	MS	16-Nov-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

S - 20 @ 5'
H236241-27 (Soil)

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

Chloride	3360		16.0	mg/kg	4	3111630	HM	16-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3111611	JH/	16-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	109 %	71.5-134	3111611	JH/	16-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B

Surrogate: 1-Chlorooctane	89.6 %	48.2-134	3111530	MS	16-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	95.8 %	49.1-148	3111530	MS	16-Nov-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

S - 21 @ 5'
H236241-28 (Soil)

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

Chloride	640		16.0	mg/kg	4	3111630	HM	16-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3111611	JH/	16-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 71.5-134 3111611 JH/ 16-Nov-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B	

Surrogate: 1-Chlorooctane 81.8 % 48.2-134 3111530 MS 16-Nov-23 8015B

Surrogate: 1-Chlorooctadecane 86.8 % 49.1-148 3111530 MS 16-Nov-23 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

S - 22 @ 5'
H236241-29 (Soil)

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

Chloride	1170		16.0	mg/kg	4	3111630	HM	16-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3111611	JH/	16-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		110 %		71.5-134	3111611	JH/	16-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B	

Surrogate: 1-Chlorooctane		86.1 %		48.2-134	3111530	MS	16-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane		89.7 %		49.1-148	3111530	MS	16-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

S - 23 @ 5'
H236241-30 (Soil)

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

Chloride	1440		16.0	mg/kg	4	3111630	HM	16-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3111611	JH/	16-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3111611	JH/	16-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134 3111611 JH/ 16-Nov-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111530	MS	16-Nov-23	8015B	

Surrogate: 1-Chlorooctane 87.9 % 48.2-134 3111530 MS 16-Nov-23 8015B

Surrogate: 1-Chlorooctadecane 92.1 % 49.1-148 3111530 MS 16-Nov-23 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 3111630 - 1:4 DI Water**Blank (3111630-BLK1)**

Prepared & Analyzed: 16-Nov-23

Chloride	ND	16.0	mg/kg						
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LCS (3111630-BS1)

Prepared & Analyzed: 16-Nov-23

Chloride	432	16.0	mg/kg	400	108	80-120			
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LCS Dup (3111630-BSD1)

Prepared & Analyzed: 16-Nov-23

Chloride	432	16.0	mg/kg	400	108	80-120	0.00	20	
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Batch 3111711 - 1:4 DI Water**Blank (3111711-BLK1)**

Prepared & Analyzed: 17-Nov-23

Chloride	ND	16.0	mg/kg						
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LCS (3111711-BS1)

Prepared & Analyzed: 17-Nov-23

Chloride	448	16.0	mg/kg	400	112	80-120			
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LCS Dup (3111711-BSD1)

Prepared & Analyzed: 17-Nov-23

Chloride	448	16.0	mg/kg	400	112	80-120	0.00	20	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3111542 - Volatiles**Blank (3111542-BLK1)**

Prepared: 15-Nov-23 Analyzed: 16-Nov-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0555		mg/kg	0.0500		111	71.5-134			

LCS (3111542-BS1)

Prepared: 15-Nov-23 Analyzed: 16-Nov-23

Benzene	1.93	0.050	mg/kg	2.00		96.7	82.8-130			
Toluene	1.99	0.050	mg/kg	2.00		99.7	86-128			
Ethylbenzene	2.01	0.050	mg/kg	2.00		100	85.9-128			
m,p-Xylene	4.01	0.100	mg/kg	4.00		100	89-129			
o-Xylene	1.98	0.050	mg/kg	2.00		99.0	86.1-125			
Total Xylenes	5.99	0.150	mg/kg	6.00		99.8	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0517		mg/kg	0.0500		103	71.5-134			

LCS Dup (3111542-BSD1)

Prepared: 15-Nov-23 Analyzed: 16-Nov-23

Benzene	1.92	0.050	mg/kg	2.00		95.9	82.8-130	0.869	15.8	
Toluene	1.99	0.050	mg/kg	2.00		99.3	86-128	0.415	15.9	
Ethylbenzene	2.00	0.050	mg/kg	2.00		99.9	85.9-128	0.558	16	
m,p-Xylene	3.99	0.100	mg/kg	4.00		99.8	89-129	0.438	16.2	
o-Xylene	1.95	0.050	mg/kg	2.00		97.6	86.1-125	1.51	16.7	
Total Xylenes	5.94	0.150	mg/kg	6.00		99.0	88.2-128	0.793	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0520		mg/kg	0.0500		104	71.5-134			

Batch 3111611 - Volatiles**Blank (3111611-BLK1)**

Prepared & Analyzed: 16-Nov-23

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

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3111611 - Volatiles**Blank (3111611-BLK1)**

Prepared & Analyzed: 16-Nov-23

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0544		mg/kg	0.0500		109	71.5-134			

LCS (3111611-BS1)

Prepared & Analyzed: 16-Nov-23

Benzene	1.92	0.050	mg/kg	2.00		95.8	82.8-130			
Toluene	1.92	0.050	mg/kg	2.00		95.9	86-128			
Ethylbenzene	2.01	0.050	mg/kg	2.00		101	85.9-128			
m,p-Xylene	4.12	0.100	mg/kg	4.00		103	89-129			
o-Xylene	2.06	0.050	mg/kg	2.00		103	86.1-125			
Total Xylenes	6.18	0.150	mg/kg	6.00		103	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0526		mg/kg	0.0500		105	71.5-134			

LCS Dup (3111611-BSD1)

Prepared & Analyzed: 16-Nov-23

Benzene	1.87	0.050	mg/kg	2.00		93.6	82.8-130	2.33	15.8	
Toluene	1.90	0.050	mg/kg	2.00		94.8	86-128	1.16	15.9	
Ethylbenzene	2.01	0.050	mg/kg	2.00		101	85.9-128	0.00655	16	
m,p-Xylene	4.14	0.100	mg/kg	4.00		104	89-129	0.593	16.2	
o-Xylene	2.07	0.050	mg/kg	2.00		104	86.1-125	0.670	16.7	
Total Xylenes	6.22	0.150	mg/kg	6.00		104	88.2-128	0.618	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0539		mg/kg	0.0500		108	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 3111529 - General Prep - Organics**Blank (3111529-BLK1)**

Prepared: 15-Nov-23 Analyzed: 16-Nov-23

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	40.0		mg/kg	50.0		79.9	48.2-134		
Surrogate: 1-Chlorooctadecane	51.3		mg/kg	50.0		103	49.1-148		

LCS (3111529-BS1)

Prepared: 15-Nov-23 Analyzed: 16-Nov-23

GRO C6-C10	188	10.0	mg/kg	200		94.1	66.4-123		
DRO >C10-C28	222	10.0	mg/kg	200		111	66.5-118		
Total TPH C6-C28	410	10.0	mg/kg	400		103	77.6-123		
Surrogate: 1-Chlorooctane	41.0		mg/kg	50.0		81.9	48.2-134		
Surrogate: 1-Chlorooctadecane	55.8		mg/kg	50.0		112	49.1-148		

LCS Dup (3111529-BSD1)

Prepared: 15-Nov-23 Analyzed: 16-Nov-23

GRO C6-C10	184	10.0	mg/kg	200		92.1	66.4-123	2.19	17.7
DRO >C10-C28	226	10.0	mg/kg	200		113	66.5-118	1.81	21
Total TPH C6-C28	410	10.0	mg/kg	400		103	77.6-123	0.00750	18.5
Surrogate: 1-Chlorooctane	40.2		mg/kg	50.0		80.4	48.2-134		
Surrogate: 1-Chlorooctadecane	54.2		mg/kg	50.0		108	49.1-148		

Batch 3111530 - General Prep - Organics**Blank (3111530-BLK1)**

Prepared: 15-Nov-23 Analyzed: 16-Nov-23

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	44.1		mg/kg	50.0		88.1	48.2-134		
Surrogate: 1-Chlorooctadecane	46.9		mg/kg	50.0		93.7	49.1-148		

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Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:30

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 3111530 - General Prep - Organics**LCS (3111530-BS1)**

Prepared: 15-Nov-23 Analyzed: 16-Nov-23

GRO C6-C10	189	10.0	mg/kg	200		94.6	66.4-123		
DRO >C10-C28	183	10.0	mg/kg	200		91.3	66.5-118		
Total TPH C6-C28	372	10.0	mg/kg	400		92.9	77.6-123		
Surrogate: 1-Chlorooctane	45.5		mg/kg	50.0		91.0	48.2-134		
Surrogate: 1-Chlorooctadecane	46.8		mg/kg	50.0		93.6	49.1-148		

LCS Dup (3111530-BSD1)

Prepared: 15-Nov-23 Analyzed: 16-Nov-23

GRO C6-C10	188	10.0	mg/kg	200		94.0	66.4-123	0.660	17.7
DRO >C10-C28	177	10.0	mg/kg	200		88.7	66.5-118	2.84	21
Total TPH C6-C28	365	10.0	mg/kg	400		91.3	77.6-123	1.72	18.5
Surrogate: 1-Chlorooctane	45.7		mg/kg	50.0		91.5	48.2-134		
Surrogate: 1-Chlorooctadecane	47.6		mg/kg	50.0		95.1	49.1-148		

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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 cursive script, appearing to read "Celey D. Keene", written in black ink.

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		P.O. #:		BILL TO									
Project Manager: Chris Jones				ANALYSIS REQUEST									
Address: 1601 N. Turner St., Ste 500		Company: Spuy											
City: Hobbs		Attn: Doreen Wobler											
Phone #: 575-964-7814		Address:											
Fax #: 575-964-7814		City:											
Project #: *Marsa		State: NM											
Project Name: Wapaka 22 St. #4		Zip: 88240											
Project Location: Eddy		Phone #:											
Sampler Name: Jeremy Warner		Fax #:											
FOR LAB USE ONLY													
Lab I.D.		Sample I.D.		MATRIX		PRESERV		SAMPLING					
H36241		*88 11/30/23		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL	
11		S. 4		@ 4'		C		OIL		SLUDGE		OTHER :	
12		S. 5		4'				ACID/BASE:		ICE / COOL		OTHER :	
13		S. 6		5'				DATE		TIME		TPH Ex	
14		S. 7										BTEX	
15		S. 8										Chlorides	
16		S. 9											
17		S. 10											
18		S. 11											
19		S. 12											
20		S. 13											
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Relinquished By: [Signature]		Date: 11/14		Received By: [Signature]		Date: 11/14		Time: 11:30		REMARKS:			
Relinquished By: [Signature]		Date: 11/14		Received By: [Signature]		Date: 11/14		Time: 11:30		REMARKS:			
Delivered By: (Circle One)		Sample Condition		CHECKED BY: (Initials)		Phone Result:		Add'l Phone #:					
Sampler - UPS - Bus - Other:		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		#140		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:					
-1.2		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		90.		Yes <input type="checkbox"/> No <input type="checkbox"/>							

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

REMARKS: Email results to Chris Jones added sample depths. Scheduling 11-30-23



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Laboratories

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

13/4

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Paragon Environmental Project Manager: Chris Jones Address: 1601 N. Turner St., Ste 500 City: Hobbs State: NM Zip: 88240 Phone #: 575-964-7814 Fax #: Project #: Project Owner: Spurl Project Name: City: Project Location: State: Zip: Sample Name: Phone #: FOR LAB USE ONLY				P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:			
Lab I.D. Sample I.D. Relinquished By: Date: Received By: Date: Relinquished By: Date: Received By: Date: Delivered By: (Circle One) Sample Condition CHECKED BY: (Initials) Sampler - UPS - Bus - Other: Cool Intact Yes No Yes No				TPH Ext. BTEX Chlorides			
Matrix: GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE/COOL OTHER: DATE TIME				ANALYSIS REQUEST			



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

November 30, 2023

CHRIS JONES

PARAGON ENVIROMENTAL

1601 N TURNER ST., STE 500

HOBBS, NM 88240

RE: MAYARO 22 ST. #4

Enclosed are the results of analyses for samples received by the laboratory on 11/21/23 16:45.

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

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

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

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

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

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

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S - 24 @ 4'	H236351-01	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 25 @ 4'	H236351-02	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 26 @ 4'	H236351-03	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 27 @ 4'	H236351-04	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 28 @ 4'	H236351-05	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 29 @ 4'	H236351-06	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 30 @ 4'	H236351-07	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 31 @ 4'	H236351-08	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 32 @ 4'	H236351-09	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 33 @ 5'	H236351-10	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 34 @ 5'	H236351-11	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 35 @ 5'	H236351-12	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 36 @ 5'	H236351-13	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 37 @ 5'	H236351-14	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 38 @ 5'	H236351-15	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 39 @ 5'	H236351-16	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 40 @ 5'	H236351-17	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 41 @ 5'	H236351-18	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 42 @ 5'	H236351-19	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 43 @ 5'	H236351-20	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 44 @ 5'	H236351-21	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 45 @ 5'	H236351-22	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 46 @ 5'	H236351-23	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 47 @ 5'	H236351-24	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 48 @ 5'	H236351-25	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 49 @ 5'	H236351-26	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 50 @ 5'	H236351-27	Soil	21-Nov-23 00:00	21-Nov-23 16:45

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 51 @ 5'	H236351-28	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 52 @ 5'	H236351-29	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 53 @ 5'	H236351-30	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 54 @ 5'	H236351-31	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 55 @ 5'	H236351-32	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 56 @ 5'	H236351-33	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 57 @ 5'	H236351-34	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 58 @ 5'	H236351-35	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 59 @ 5'	H236351-36	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 60 @ 5'	H236351-37	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 61 @ 5'	H236351-38	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 62 @ 5'	H236351-39	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 63 @ 5'	H236351-40	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 64 @ 5'	H236351-41	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 65 @ 5'	H236351-42	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 66 @ 5'	H236351-43	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 67 @ 5'	H236351-44	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 68 @ 5'	H236351-45	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 69 @ 5'	H236351-46	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 70 @ 5'	H236351-47	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 71 @ 5'	H236351-48	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 72 @ 5'	H236351-49	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 73 @ 5'	H236351-50	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 74 @ 5'	H236351-51	Soil	21-Nov-23 00:00	21-Nov-23 16:45
S - 75 @ 5'	H236351-52	Soil	21-Nov-23 00:00	21-Nov-23 16:45
WSW - 1 @ 4'	H236351-53	Soil	21-Nov-23 00:00	21-Nov-23 16:45
WSW - 2 @ 4'	H236351-54	Soil	21-Nov-23 00:00	21-Nov-23 16:45
WSW - 3 @ 5'	H236351-55	Soil	21-Nov-23 00:00	21-Nov-23 16:45
WSW - 4 @ 5'	H236351-56	Soil	21-Nov-23 00:00	21-Nov-23 16:45
WSW - 5 @ 5'	H236351-57	Soil	21-Nov-23 00:00	21-Nov-23 16:45

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

WSW - 6 @ 5'	H236351-58	Soil	21-Nov-23 00:00	21-Nov-23 16:45
WSW - 7 @ 5'	H236351-59	Soil	21-Nov-23 00:00	21-Nov-23 16:45
NSW - 1 @ 4'	H236351-60	Soil	21-Nov-23 00:00	21-Nov-23 16:45
SSW - 1 @ 5'	H236351-61	Soil	21-Nov-23 00:00	21-Nov-23 16:45

11/30/23 - Client added sample depths and composite to all samples (see COC). This is the revised report and will replace the one sent on 11/28/23.

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 24 @ 4'
H236351-01 (Soil)

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

Chloride	752		16.0	mg/kg	4	3112237	AC	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3112220	JH	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	104 %	71.5-134			3112220	JH	22-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3112209	MS	23-Nov-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3112209	MS	23-Nov-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3112209	MS	23-Nov-23	8015B	

Surrogate: 1-Chlorooctane	104 %	48.2-134			3112209	MS	23-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane	110 %	49.1-148			3112209	MS	23-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 25 @ 4'
H236351-02 (Soil)

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

Chloride	1730		16.0	mg/kg	4	3112237	AC	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3112220	JH	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	103 %	71.5-134	3112220	JH	22-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B

Surrogate: 1-Chlorooctane	95.0 %	48.2-134	3112210	MS	22-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	88.7 %	49.1-148	3112210	MS	22-Nov-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 26 @ 4'
H236351-03 (Soil)

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

Chloride	1800		16.0	mg/kg	4	3112237	AC	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112220	JH	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %		71.5-134	3112220	JH	22-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B	

Surrogate: 1-Chlorooctane			94.0 %		48.2-134	3112210	MS	22-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane			87.4 %		49.1-148	3112210	MS	22-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 27 @ 4'
H236351-04 (Soil)

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

Chloride	1630		16.0	mg/kg	4	3112237	AC	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112220	JH	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %		71.5-134	3112220	JH	22-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B	

Surrogate: 1-Chlorooctane			92.8 %		48.2-134	3112210	MS	22-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane			86.0 %		49.1-148	3112210	MS	22-Nov-23	8015B	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 28 @ 4'
H236351-05 (Soil)

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

Chloride	1720		16.0	mg/kg	4	3112237	AC	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3112220	JH	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	104 %	71.5-134	3112220	JH	22-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B	

Surrogate: 1-Chlorooctane	87.0 %	48.2-134	3112210	MS	22-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane	81.4 %	49.1-148	3112210	MS	22-Nov-23	8015B	
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 29 @ 4'
H236351-06 (Soil)

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

Chloride	1420		16.0	mg/kg	4	3112237	AC	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3112220	JH	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	104 %	71.5-134	3112220	JH	22-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B

Surrogate: 1-Chlorooctane	92.2 %	48.2-134	3112210	MS	22-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	84.3 %	49.1-148	3112210	MS	22-Nov-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 30 @ 4'
H236351-07 (Soil)

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

Chloride	48.0		16.0	mg/kg	4	3112237	AC	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112220	JH	22-Nov-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	71.5-134		3112220	JH	22-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			89.9 %	48.2-134		3112210	MS	22-Nov-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			85.5 %	49.1-148		3112210	MS	22-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 31 @ 4'
H236351-08 (Soil)

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

Chloride	1960		16.0	mg/kg	4	3112237	AC	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3112220	JH	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	104 %	71.5-134	3112220	JH	22-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B

Surrogate: 1-Chlorooctane	87.9 %	48.2-134	3112210	MS	22-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	83.5 %	49.1-148	3112210	MS	22-Nov-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 32 @ 4'
H236351-09 (Soil)

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

Chloride	1280		16.0	mg/kg	4	3112237	AC	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3112220	JH	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	104 %	71.5-134	3112220	JH	22-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B

Surrogate: 1-Chlorooctane	83.5 %	48.2-134	3112210	MS	22-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	78.5 %	49.1-148	3112210	MS	22-Nov-23	8015B
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 33 @ 5'
H236351-10 (Soil)

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

Chloride	992		16.0	mg/kg	4	3112237	AC	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3112220	JH	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	104 %	71.5-134	3112220	JH	22-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B

Surrogate: 1-Chlorooctane	81.0 %	48.2-134	3112210	MS	22-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	77.1 %	49.1-148	3112210	MS	22-Nov-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 34 @ 5'
H236351-11 (Soil)

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

Chloride	1310		16.0	mg/kg	4	3112237	AC	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3112220	JH	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	105 %	71.5-134	3112220	JH	22-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B

Surrogate: 1-Chlorooctane	95.2 %	48.2-134	3112210	MS	22-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	88.3 %	49.1-148	3112210	MS	22-Nov-23	8015B
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 35 @ 5'
H236351-12 (Soil)

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

Chloride	2200		16.0	mg/kg	4	3112237	AC	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3112220	JH	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	104 %	71.5-134	3112220	JH	22-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B

Surrogate: 1-Chlorooctane	91.3 %	48.2-134	3112210	MS	22-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	83.0 %	49.1-148	3112210	MS	22-Nov-23	8015B
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 36 @ 5'
H236351-13 (Soil)

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

Chloride	816		16.0	mg/kg	4	3112237	AC	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3112220	JH	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	104 %	71.5-134	3112220	JH	22-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B

Surrogate: 1-Chlorooctane	85.1 %	48.2-134	3112210	MS	22-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	77.3 %	49.1-148	3112210	MS	22-Nov-23	8015B
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 37 @ 5'
H236351-14 (Soil)

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

Chloride	688		16.0	mg/kg	4	3112237	AC	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112220	JH	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %		71.5-134	3112220	JH	22-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B	

Surrogate: 1-Chlorooctane			78.7 %		48.2-134	3112210	MS	22-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane			74.8 %		49.1-148	3112210	MS	22-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 38 @ 5'
H236351-15 (Soil)

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

Chloride	1600		16.0	mg/kg	4	3112237	AC	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112220	JH	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %		71.5-134	3112220	JH	22-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B	

Surrogate: 1-Chlorooctane			80.3 %		48.2-134	3112210	MS	22-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane			74.1 %		49.1-148	3112210	MS	22-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 39 @ 5'
H236351-16 (Soil)

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

Chloride	3520		16.0	mg/kg	4	3112237	AC	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3112220	JH	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	104 %	71.5-134	3112220	JH	22-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B

Surrogate: 1-Chlorooctane	90.7 %	48.2-134	3112210	MS	22-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	83.6 %	49.1-148	3112210	MS	22-Nov-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 40 @ 5'
H236351-17 (Soil)

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

Chloride	256		16.0	mg/kg	4	3112237	AC	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3112220	JH	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	103 %	71.5-134	3112220	JH	22-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B

Surrogate: 1-Chlorooctane	73.9 %	48.2-134	3112210	MS	22-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	66.8 %	49.1-148	3112210	MS	22-Nov-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 41 @ 5'
H236351-18 (Soil)

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

Chloride	272		16.0	mg/kg	4	3112237	AC	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3112220	JH	22-Nov-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>		102 %		71.5-134	3112220	JH	22-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>		54.5 %		48.2-134	3112210	MS	22-Nov-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>		50.6 %		49.1-148	3112210	MS	22-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 42 @ 5'
H236351-19 (Soil)

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

Chloride	432		16.0	mg/kg	4	3112237	AC	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3112220	JH	22-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3112220	JH	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	108 %	71.5-134	3112220	JH	22-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B

Surrogate: 1-Chlorooctane	65.8 %	48.2-134	3112210	MS	22-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	60.3 %	49.1-148	3112210	MS	22-Nov-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 43 @ 5'
H236351-20 (Soil)

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

Chloride	368		16.0	mg/kg	4	3112239	HM	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112221	JH/	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134 3112221 JH/ 22-Nov-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112210	MS	22-Nov-23	8015B	

Surrogate: 1-Chlorooctane 79.2 % 48.2-134 3112210 MS 22-Nov-23 8015B

Surrogate: 1-Chlorooctadecane 74.3 % 49.1-148 3112210 MS 22-Nov-23 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 44 @ 5'
H236351-21 (Soil)

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

Chloride	4560		16.0	mg/kg	4	3112239	HM	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112221	JH/	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			113 %		71.5-134	3112221	JH/	22-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3112210	MS	23-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112210	MS	23-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112210	MS	23-Nov-23	8015B	

Surrogate: 1-Chlorooctane			88.8 %		48.2-134	3112210	MS	23-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane			83.2 %		49.1-148	3112210	MS	23-Nov-23	8015B	
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 45 @ 5'
H236351-22 (Soil)

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

Chloride	288		16.0	mg/kg	4	3112239	HM	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112221	JH/	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			113 %		71.5-134	3112221	JH/	22-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B	

Surrogate: 1-Chlorooctane			99.2 %		48.2-134	3112211	MS	22-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane			95.6 %		49.1-148	3112211	MS	22-Nov-23	8015B	
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 46 @ 5'
H236351-23 (Soil)

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

Chloride	288		16.0	mg/kg	4	3112239	HM	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112221	JH/	22-Nov-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			114 %		71.5-134	3112221	JH/	22-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			100 %		48.2-134	3112211	MS	22-Nov-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			96.0 %		49.1-148	3112211	MS	22-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 47 @ 5'
H236351-24 (Soil)

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

Chloride	464		16.0	mg/kg	4	3112239	HM	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112221	JH/	22-Nov-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			114 %		71.5-134	3112221	JH/	22-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			102 %		48.2-134	3112211	MS	22-Nov-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			97.8 %		49.1-148	3112211	MS	22-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 48 @ 5'
H236351-25 (Soil)

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

Chloride	64.0		16.0	mg/kg	4	3112239	HM	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112221	JH/	22-Nov-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			113 %	71.5-134		3112221	JH/	22-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			79.0 %	48.2-134		3112211	MS	22-Nov-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			75.5 %	49.1-148		3112211	MS	22-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 49 @ 5'
H236351-26 (Soil)

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

Chloride	112		16.0	mg/kg	4	3112239	HM	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3112221	JH/	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	113 %	71.5-134	3112221	JH/	22-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B

Surrogate: 1-Chlorooctane	76.1 %	48.2-134	3112211	MS	22-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	73.6 %	49.1-148	3112211	MS	22-Nov-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 50 @ 5'
H236351-27 (Soil)

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

Chloride	128		16.0	mg/kg	4	3112239	HM	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112221	JH/	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134 3112221 JH/ 22-Nov-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B	

Surrogate: 1-Chlorooctane 81.1 % 48.2-134 3112211 MS 22-Nov-23 8015B

Surrogate: 1-Chlorooctadecane 78.6 % 49.1-148 3112211 MS 22-Nov-23 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 51 @ 5'
H236351-28 (Soil)

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

Chloride	112		16.0	mg/kg	4	3112239	HM	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3112221	JH/	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	113 %	71.5-134	3112221	JH/	22-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B

Surrogate: 1-Chlorooctane	93.7 %	48.2-134	3112211	MS	22-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	90.6 %	49.1-148	3112211	MS	22-Nov-23	8015B
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 52 @ 5'
H236351-29 (Soil)

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

Chloride	256		16.0	mg/kg	4	3112239	HM	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112221	JH/	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			116 %		71.5-134	3112221	JH/	22-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B	

Surrogate: 1-Chlorooctane			81.0 %		48.2-134	3112211	MS	22-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane			79.1 %		49.1-148	3112211	MS	22-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 53 @ 5'
H236351-30 (Soil)

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

Chloride	112		16.0	mg/kg	4	3112239	HM	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3112221	JH/	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	115 %	71.5-134	3112221	JH/	22-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B

Surrogate: 1-Chlorooctane	82.8 %	48.2-134	3112211	MS	22-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	79.3 %	49.1-148	3112211	MS	22-Nov-23	8015B
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 54 @ 5'
H236351-31 (Soil)

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

Chloride	128		16.0	mg/kg	4	3112239	HM	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112221	JH/	22-Nov-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			113 %	71.5-134		3112221	JH/	22-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			80.5 %	48.2-134		3112211	MS	22-Nov-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			77.5 %	49.1-148		3112211	MS	22-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 55 @ 5'
H236351-32 (Soil)

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

Chloride	96.0		16.0	mg/kg	4	3112239	HM	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112221	JH/	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			113 %	71.5-134		3112221	JH/	22-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B	

Surrogate: 1-Chlorooctane			103 %	48.2-134		3112211	MS	22-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane			99.6 %	49.1-148		3112211	MS	22-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 56 @ 5'
H236351-33 (Soil)

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

Chloride	112		16.0	mg/kg	4	3112239	HM	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3112221	JH/	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	115 %	71.5-134	3112221	JH/	22-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B

Surrogate: 1-Chlorooctane	117 %	48.2-134	3112211	MS	22-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	114 %	49.1-148	3112211	MS	22-Nov-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 57 @ 5'
H236351-34 (Soil)

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

Chloride	144		16.0	mg/kg	4	3112239	HM	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3112221	JH/	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	114 %	71.5-134	3112221	JH/	22-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B

Surrogate: 1-Chlorooctane	97.9 %	48.2-134	3112211	MS	22-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	93.8 %	49.1-148	3112211	MS	22-Nov-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 58 @ 5'
H236351-35 (Soil)

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

Chloride	128		16.0	mg/kg	4	3112239	HM	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112221	JH/	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			115 %	71.5-134		3112221	JH/	22-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B	

Surrogate: 1-Chlorooctane			85.2 %	48.2-134		3112211	MS	22-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane			81.6 %	49.1-148		3112211	MS	22-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 59 @ 5'
H236351-36 (Soil)

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

Chloride	880		16.0	mg/kg	4	3112239	HM	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3112221	JH/	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	114 %	71.5-134	3112221	JH/	22-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B

Surrogate: 1-Chlorooctane	95.5 %	48.2-134	3112211	MS	22-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	91.8 %	49.1-148	3112211	MS	22-Nov-23	8015B
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 60 @ 5'
H236351-37 (Soil)

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

Chloride	672		16.0	mg/kg	4	3112239	HM	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112221	JH/	22-Nov-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			113 %		71.5-134	3112221	JH/	22-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			94.5 %		48.2-134	3112211	MS	22-Nov-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			90.9 %		49.1-148	3112211	MS	22-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 61 @ 5'
H236351-38 (Soil)

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

Chloride	224		16.0	mg/kg	4	3112239	HM	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3112221	JH/	22-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3112221	JH/	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	115 %	71.5-134	3112221	JH/	22-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B

Surrogate: 1-Chlorooctane	83.6 %	48.2-134	3112211	MS	22-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	80.2 %	49.1-148	3112211	MS	22-Nov-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 62 @ 5'
H236351-39 (Soil)

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

Chloride	48.0		16.0	mg/kg	4	3112239	HM	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3112221	JH/	23-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112221	JH/	23-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112221	JH/	23-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112221	JH/	23-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112221	JH/	23-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			114 %	71.5-134		3112221	JH/	23-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112211	MS	22-Nov-23	8015B	

Surrogate: 1-Chlorooctane			93.5 %	48.2-134		3112211	MS	22-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane			90.0 %	49.1-148		3112211	MS	22-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 63 @ 5'
H236351-40 (Soil)

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

Chloride	32.0		16.0	mg/kg	4	3112707	AC	27-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	QR-03
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	QR-03
Total Xylenes*	<0.150		0.150	mg/kg	50	3112222	JH/	22-Nov-23	8021B	QR-03
Total BTEX	<0.300		0.300	mg/kg	50	3112222	JH/	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		105 %	71.5-134			3112222	JH/	22-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3112211	MS	23-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112211	MS	23-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112211	MS	23-Nov-23	8015B	

Surrogate: 1-Chlorooctane		98.1 %	48.2-134			3112211	MS	23-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane		93.5 %	49.1-148			3112211	MS	23-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 64 @ 5'
H236351-41 (Soil)

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

Chloride	32.0		16.0	mg/kg	4	3112707	AC	27-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112222	JH/	22-Nov-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	71.5-134		3112222	JH/	22-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3112211	MS	23-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112211	MS	23-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112211	MS	23-Nov-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			82.0 %	48.2-134		3112211	MS	23-Nov-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			78.4 %	49.1-148		3112211	MS	23-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 65 @ 5'
H236351-42 (Soil)

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

Chloride	48.0		16.0	mg/kg	4	3112707	AC	27-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112222	JH/	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		3112222	JH/	22-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B	

Surrogate: 1-Chlorooctane			85.0 %	48.2-134		3112212	MS	22-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane			87.5 %	49.1-148		3112212	MS	22-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 66 @ 5'
H236351-43 (Soil)

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

Chloride	128		16.0	mg/kg	4	3112707	AC	27-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3112222	JH/	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	104 %	71.5-134	3112222	JH/	22-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B	

Surrogate: 1-Chlorooctane	77.7 %	48.2-134	3112212	MS	22-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane	78.1 %	49.1-148	3112212	MS	22-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 67 @ 5'
H236351-44 (Soil)

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

Chloride	1440		16.0	mg/kg	4	3112707	AC	27-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3112222	JH/	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	105 %	71.5-134	3112222	JH/	22-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B

Surrogate: 1-Chlorooctane	78.3 %	48.2-134	3112212	MS	22-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	79.1 %	49.1-148	3112212	MS	22-Nov-23	8015B
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 68 @ 5'
H236351-45 (Soil)

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

Chloride	2720		16.0	mg/kg	4	3112707	AC	27-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112222	JH/	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	71.5-134		3112222	JH/	22-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B	

Surrogate: 1-Chlorooctane			101 %	48.2-134		3112212	MS	22-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane			103 %	49.1-148		3112212	MS	22-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 69 @ 5'
H236351-46 (Soil)

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

Chloride	6160		16.0	mg/kg	4	3112707	AC	27-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3112222	JH/	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	107 %	71.5-134	3112222	JH/	22-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B

Surrogate: 1-Chlorooctane	95.0 %	48.2-134	3112212	MS	22-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	95.0 %	49.1-148	3112212	MS	22-Nov-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 70 @ 5'
H236351-47 (Soil)

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

Chloride	2360		16.0	mg/kg	4	3112707	AC	27-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3112222	JH/	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	102 %	71.5-134	3112222	JH/	22-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B

Surrogate: 1-Chlorooctane	91.2 %	48.2-134	3112212	MS	22-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	91.5 %	49.1-148	3112212	MS	22-Nov-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 71 @ 5'
H236351-48 (Soil)

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

Chloride	7600		16.0	mg/kg	4	3112707	AC	27-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112222	JH/	22-Nov-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %	71.5-134		3112222	JH/	22-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			103 %	48.2-134		3112212	MS	22-Nov-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			105 %	49.1-148		3112212	MS	22-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 72 @ 5'
H236351-49 (Soil)

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

Chloride	1220		16.0	mg/kg	4	3112707	AC	27-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3112222	JH/	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		103 %		71.5-134	3112222	JH/	22-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B	

Surrogate: 1-Chlorooctane		76.4 %		48.2-134	3112212	MS	22-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane		76.2 %		49.1-148	3112212	MS	22-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 73 @ 5'
H236351-50 (Soil)

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

Chloride	752		16.0	mg/kg	4	3112707	AC	27-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3112222	JH/	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	105 %	71.5-134	3112222	JH/	22-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B

Surrogate: 1-Chlorooctane	91.6 %	48.2-134	3112212	MS	22-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	92.0 %	49.1-148	3112212	MS	22-Nov-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 74 @ 5'
H236351-51 (Soil)

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

Chloride	1020		16.0	mg/kg	4	3112707	AC	27-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3112222	JH/	22-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3112222	JH/	22-Nov-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>		103 %		71.5-134	3112222	JH/	22-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>		93.7 %		48.2-134	3112212	MS	22-Nov-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>		93.0 %		49.1-148	3112212	MS	22-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

S - 75 @ 5'
H236351-52 (Soil)

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

Chloride	16.0		16.0	mg/kg	4	3112707	AC	27-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3112222	JH/	23-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112222	JH/	23-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112222	JH/	23-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112222	JH/	23-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112222	JH/	23-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			107 %	71.5-134		3112222	JH/	23-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B	

Surrogate: 1-Chlorooctane			78.3 %	48.2-134		3112212	MS	22-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane			77.1 %	49.1-148		3112212	MS	22-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

WSW - 1 @ 4'**H236351-53 (Soil)**

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

Chloride	48.0		16.0	mg/kg	4	3112707	AC	27-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3112222	JH/	23-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112222	JH/	23-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112222	JH/	23-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112222	JH/	23-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112222	JH/	23-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.9 %	71.5-134		3112222	JH/	23-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B	

Surrogate: 1-Chlorooctane			106 %	48.2-134		3112212	MS	22-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane			107 %	49.1-148		3112212	MS	22-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

WSW - 2 @ 4'**H236351-54 (Soil)**

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

Chloride	208		16.0	mg/kg	4	3112707	AC	27-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3112222	JH/	23-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3112222	JH/	23-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3112222	JH/	23-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3112222	JH/	23-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3112222	JH/	23-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	107 %	71.5-134	3112222	JH/	23-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B

Surrogate: 1-Chlorooctane	114 %	48.2-134	3112212	MS	22-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	115 %	49.1-148	3112212	MS	22-Nov-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

WSW - 3 @ 5'**H236351-55 (Soil)**

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

Chloride	48.0		16.0	mg/kg	4	3112707	AC	27-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3112222	JH/	23-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112222	JH/	23-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112222	JH/	23-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112222	JH/	23-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112222	JH/	23-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %	71.5-134		3112222	JH/	23-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B	

Surrogate: 1-Chlorooctane			79.6 %	48.2-134		3112212	MS	22-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane			80.0 %	49.1-148		3112212	MS	22-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

WSW - 4 @ 5'**H236351-56 (Soil)**

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

Chloride	128		16.0	mg/kg	4	3112707	AC	27-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3112222	JH/	23-Nov-23	8021B
Toluene*	<0.050	0.050	mg/kg	50	3112222	JH/	23-Nov-23	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	3112222	JH/	23-Nov-23	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	3112222	JH/	23-Nov-23	8021B
Total BTEX	<0.300	0.300	mg/kg	50	3112222	JH/	23-Nov-23	8021B

Surrogate: 4-Bromofluorobenzene (PID)	111 %	71.5-134	3112222	JH/	23-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B

Surrogate: 1-Chlorooctane	82.4 %	48.2-134	3112212	MS	22-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	83.2 %	49.1-148	3112212	MS	22-Nov-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

WSW - 5 @ 5'**H236351-57 (Soil)**

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

Chloride	128		16.0	mg/kg	4	3112707	AC	27-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3112222	JH/	23-Nov-23	8021B
Toluene*	<0.050	0.050	mg/kg	50	3112222	JH/	23-Nov-23	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	3112222	JH/	23-Nov-23	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	3112222	JH/	23-Nov-23	8021B
Total BTEX	<0.300	0.300	mg/kg	50	3112222	JH/	23-Nov-23	8021B

Surrogate: 4-Bromofluorobenzene (PID)	101 %	71.5-134	3112222	JH/	23-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B

Surrogate: 1-Chlorooctane	84.5 %	48.2-134	3112212	MS	22-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	86.1 %	49.1-148	3112212	MS	22-Nov-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

WSW - 6 @ 5'**H236351-58 (Soil)**

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

Chloride	112		16.0	mg/kg	4	3112707	AC	27-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3112222	JH/	23-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112222	JH/	23-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112222	JH/	23-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112222	JH/	23-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112222	JH/	23-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		3112222	JH/	23-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112212	MS	22-Nov-23	8015B	

Surrogate: 1-Chlorooctane			93.4 %	48.2-134		3112212	MS	22-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane			93.1 %	49.1-148		3112212	MS	22-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

WSW - 7 @ 5'**H236351-59 (Soil)**

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

Chloride	144		16.0	mg/kg	4	3112707	AC	27-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3112222	JH/	23-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3112222	JH/	23-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3112222	JH/	23-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3112222	JH/	23-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3112222	JH/	23-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	106 %	71.5-134	3112222	JH/	23-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3112212	MS	23-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3112212	MS	23-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3112212	MS	23-Nov-23	8015B

Surrogate: 1-Chlorooctane	93.1 %	48.2-134	3112212	MS	23-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	93.0 %	49.1-148	3112212	MS	23-Nov-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

NSW - 1 @ 4'**H236351-60 (Soil)**

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

Chloride	176		16.0	mg/kg	4	3112240	HM	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3112223	JH	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112223	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112223	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112223	JH	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112223	JH	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		3112223	JH	22-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3112212	MS	23-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112212	MS	23-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112212	MS	23-Nov-23	8015B	

Surrogate: 1-Chlorooctane			84.9 %	48.2-134		3112212	MS	23-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane			83.8 %	49.1-148		3112212	MS	23-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

SSW - 1 @ 5'**H236351-61 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	3112240	HM	22-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3112223	JH	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112223	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112223	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112223	JH	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112223	JH	22-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			109 %	71.5-134		3112223	JH	22-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3112212	MS	23-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112212	MS	23-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112212	MS	23-Nov-23	8015B	

Surrogate: 1-Chlorooctane			90.1 %	48.2-134		3112212	MS	23-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane			87.5 %	49.1-148		3112212	MS	23-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 3112237 - 1:4 DI Water**Blank (3112237-BLK1)**

Prepared & Analyzed: 22-Nov-23

Chloride	ND	16.0	mg/kg
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LCS (3112237-BS1)

Prepared & Analyzed: 22-Nov-23

Chloride	400	16.0	mg/kg	400	100	80-120
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LCS Dup (3112237-BSD1)

Prepared & Analyzed: 22-Nov-23

Chloride	416	16.0	mg/kg	400	104	80-120	3.92	20
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Batch 3112239 - 1:4 DI Water**Blank (3112239-BLK1)**

Prepared & Analyzed: 22-Nov-23

Chloride	ND	16.0	mg/kg
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LCS (3112239-BS1)

Prepared & Analyzed: 22-Nov-23

Chloride	432	16.0	mg/kg	400	108	80-120
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LCS Dup (3112239-BSD1)

Prepared & Analyzed: 22-Nov-23

Chloride	416	16.0	mg/kg	400	104	80-120	3.77	20
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Batch 3112240 - 1:4 DI Water**Blank (3112240-BLK1)**

Prepared & Analyzed: 22-Nov-23

Chloride	ND	16.0	mg/kg
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LCS (3112240-BS1)

Prepared & Analyzed: 22-Nov-23

Chloride	416	16.0	mg/kg	400	104	80-120
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Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3112240 - 1:4 DI Water										
LCS Dup (3112240-BSD1)				Prepared & Analyzed: 22-Nov-23						
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
Batch 3112707 - 1:4 DI Water										
Blank (3112707-BLK1)				Prepared & Analyzed: 27-Nov-23						
Chloride	ND	16.0	mg/kg							
LCS (3112707-BS1)				Prepared & Analyzed: 27-Nov-23						
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (3112707-BSD1)				Prepared & Analyzed: 27-Nov-23						
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	

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Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3112220 - Volatiles**Blank (3112220-BLK1)**

Prepared & Analyzed: 22-Nov-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0516		mg/kg	0.0500		103	71.5-134			

LCS (3112220-BS1)

Prepared & Analyzed: 22-Nov-23

Benzene	2.19	0.050	mg/kg	2.00		110	82.8-130			
Toluene	2.17	0.050	mg/kg	2.00		108	86-128			
Ethylbenzene	2.15	0.050	mg/kg	2.00		107	85.9-128			
m,p-Xylene	4.70	0.100	mg/kg	4.00		117	89-129			
o-Xylene	2.08	0.050	mg/kg	2.00		104	86.1-125			
Total Xylenes	6.78	0.150	mg/kg	6.00		113	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0509		mg/kg	0.0500		102	71.5-134			

LCS Dup (3112220-BSD1)

Prepared & Analyzed: 22-Nov-23

Benzene	2.28	0.050	mg/kg	2.00		114	82.8-130	3.87	15.8	
Toluene	2.26	0.050	mg/kg	2.00		113	86-128	4.21	15.9	
Ethylbenzene	2.23	0.050	mg/kg	2.00		111	85.9-128	3.76	16	
m,p-Xylene	4.88	0.100	mg/kg	4.00		122	89-129	3.78	16.2	
o-Xylene	2.17	0.050	mg/kg	2.00		108	86.1-125	3.97	16.7	
Total Xylenes	7.05	0.150	mg/kg	6.00		117	88.2-128	3.84	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0510		mg/kg	0.0500		102	71.5-134			

Batch 3112221 - Volatiles**Blank (3112221-BLK1)**

Prepared & Analyzed: 22-Nov-23

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

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Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3112221 - Volatiles**Blank (3112221-BLK1)**

Prepared & Analyzed: 22-Nov-23

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0567		mg/kg	0.0500		113	71.5-134			

LCS (3112221-BS1)

Prepared & Analyzed: 22-Nov-23

Benzene	1.94	0.050	mg/kg	2.00		97.1	82.8-130			
Toluene	2.06	0.050	mg/kg	2.00		103	86-128			
Ethylbenzene	2.07	0.050	mg/kg	2.00		103	85.9-128			
m,p-Xylene	4.19	0.100	mg/kg	4.00		105	89-129			
o-Xylene	2.05	0.050	mg/kg	2.00		102	86.1-125			
Total Xylenes	6.24	0.150	mg/kg	6.00		104	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0543		mg/kg	0.0500		109	71.5-134			

LCS Dup (3112221-BS1)

Prepared & Analyzed: 22-Nov-23

Benzene	1.92	0.050	mg/kg	2.00		96.2	82.8-130	0.928	15.8	
Toluene	2.05	0.050	mg/kg	2.00		102	86-128	0.637	15.9	
Ethylbenzene	2.04	0.050	mg/kg	2.00		102	85.9-128	1.09	16	
m,p-Xylene	4.14	0.100	mg/kg	4.00		104	89-129	1.26	16.2	
o-Xylene	2.03	0.050	mg/kg	2.00		102	86.1-125	0.610	16.7	
Total Xylenes	6.18	0.150	mg/kg	6.00		103	88.2-128	1.04	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0542		mg/kg	0.0500		108	71.5-134			

Batch 3112222 - Volatiles**Blank (3112222-BLK1)**

Prepared & Analyzed: 22-Nov-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0516		mg/kg	0.0500		103	71.5-134			

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Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3112222 - Volatiles**LCS (3112222-BS1)**

Prepared & Analyzed: 22-Nov-23

Benzene	2.01	0.050	mg/kg	2.00		101	82.8-130			
Toluene	2.01	0.050	mg/kg	2.00		100	86-128			
Ethylbenzene	2.09	0.050	mg/kg	2.00		105	85.9-128			
m,p-Xylene	4.30	0.100	mg/kg	4.00		108	89-129			
o-Xylene	2.17	0.050	mg/kg	2.00		108	86.1-125			
Total Xylenes	6.47	0.150	mg/kg	6.00		108	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0540		mg/kg	0.0500		108	71.5-134			

LCS Dup (3112222-BSD1)

Prepared & Analyzed: 22-Nov-23

Benzene	2.09	0.050	mg/kg	2.00		105	82.8-130	4.07	15.8	
Toluene	2.02	0.050	mg/kg	2.00		101	86-128	0.715	15.9	
Ethylbenzene	2.08	0.050	mg/kg	2.00		104	85.9-128	0.506	16	
m,p-Xylene	4.27	0.100	mg/kg	4.00		107	89-129	0.810	16.2	
o-Xylene	2.14	0.050	mg/kg	2.00		107	86.1-125	1.09	16.7	
Total Xylenes	6.41	0.150	mg/kg	6.00		107	88.2-128	0.902	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0522		mg/kg	0.0500		104	71.5-134			

Batch 3112223 - Volatiles**Blank (3112223-BLK1)**

Prepared & Analyzed: 22-Nov-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0515		mg/kg	0.0500		103	71.5-134			

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Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 3112223 - Volatiles**LCS (3112223-BS1)**

Prepared & Analyzed: 22-Nov-23

Benzene	2.20	0.050	mg/kg	2.00		110	82.8-130		
Toluene	2.11	0.050	mg/kg	2.00		106	86-128		
Ethylbenzene	2.21	0.050	mg/kg	2.00		111	85.9-128		
m,p-Xylene	4.31	0.100	mg/kg	4.00		108	89-129		
o-Xylene	2.13	0.050	mg/kg	2.00		107	86.1-125		
Total Xylenes	6.44	0.150	mg/kg	6.00		107	88.2-128		
Surrogate: 4-Bromofluorobenzene (PID)	0.0512		mg/kg	0.0500		102	71.5-134		

LCS Dup (3112223-BS1)

Prepared & Analyzed: 22-Nov-23

Benzene	2.27	0.050	mg/kg	2.00		114	82.8-130	3.05	15.8
Toluene	2.15	0.050	mg/kg	2.00		107	86-128	1.60	15.9
Ethylbenzene	2.22	0.050	mg/kg	2.00		111	85.9-128	0.178	16
m,p-Xylene	4.29	0.100	mg/kg	4.00		107	89-129	0.278	16.2
o-Xylene	2.13	0.050	mg/kg	2.00		106	86.1-125	0.147	16.7
Total Xylenes	6.42	0.150	mg/kg	6.00		107	88.2-128	0.235	16.3
Surrogate: 4-Bromofluorobenzene (PID)	0.0494		mg/kg	0.0500		98.8	71.5-134		

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3112209 - General Prep - Organics**Blank (3112209-BLK1)**

Prepared & Analyzed: 22-Nov-23

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	44.9		mg/kg	50.0		89.8	48.2-134			
Surrogate: 1-Chlorooctadecane	46.6		mg/kg	50.0		93.2	49.1-148			

LCS (3112209-BS1)

Prepared & Analyzed: 22-Nov-23

GRO C6-C10	198	10.0	mg/kg	200		98.9	66.4-123			
DRO >C10-C28	193	10.0	mg/kg	200		96.7	66.5-118			
Total TPH C6-C28	391	10.0	mg/kg	400		97.8	77.6-123			
Surrogate: 1-Chlorooctane	54.4		mg/kg	50.0		109	48.2-134			
Surrogate: 1-Chlorooctadecane	55.5		mg/kg	50.0		111	49.1-148			

LCS Dup (3112209-BS1)

Prepared & Analyzed: 22-Nov-23

GRO C6-C10	195	10.0	mg/kg	200		97.6	66.4-123	1.26	17.7	
DRO >C10-C28	191	10.0	mg/kg	200		95.7	66.5-118	1.05	21	
Total TPH C6-C28	387	10.0	mg/kg	400		96.7	77.6-123	1.15	18.5	
Surrogate: 1-Chlorooctane	53.2		mg/kg	50.0		106	48.2-134			
Surrogate: 1-Chlorooctadecane	54.1		mg/kg	50.0		108	49.1-148			

Batch 3112210 - General Prep - Organics**Blank (3112210-BLK1)**

Prepared & Analyzed: 22-Nov-23

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	46.2		mg/kg	50.0		92.3	48.2-134			
Surrogate: 1-Chlorooctadecane	44.5		mg/kg	50.0		89.0	49.1-148			

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Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3112210 - General Prep - Organics**LCS (3112210-BS1)**

Prepared & Analyzed: 22-Nov-23

GRO C6-C10	196	10.0	mg/kg	200		97.8	66.4-123			
DRO >C10-C28	193	10.0	mg/kg	200		96.6	66.5-118			
Total TPH C6-C28	389	10.0	mg/kg	400		97.2	77.6-123			
Surrogate: 1-Chlorooctane	53.6		mg/kg	50.0		107	48.2-134			
Surrogate: 1-Chlorooctadecane	54.3		mg/kg	50.0		109	49.1-148			

LCS Dup (3112210-BS1)

Prepared & Analyzed: 22-Nov-23

GRO C6-C10	189	10.0	mg/kg	200		94.3	66.4-123	3.67	17.7	
DRO >C10-C28	192	10.0	mg/kg	200		95.9	66.5-118	0.699	21	
Total TPH C6-C28	380	10.0	mg/kg	400		95.1	77.6-123	2.18	18.5	
Surrogate: 1-Chlorooctane	51.4		mg/kg	50.0		103	48.2-134			
Surrogate: 1-Chlorooctadecane	48.2		mg/kg	50.0		96.5	49.1-148			

Batch 3112211 - General Prep - Organics**Blank (3112211-BLK1)**

Prepared & Analyzed: 22-Nov-23

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	50.3		mg/kg	50.0		101	48.2-134			
Surrogate: 1-Chlorooctadecane	49.8		mg/kg	50.0		99.7	49.1-148			

LCS (3112211-BS1)

Prepared & Analyzed: 22-Nov-23

GRO C6-C10	233	10.0	mg/kg	200		116	66.4-123			
DRO >C10-C28	240	10.0	mg/kg	200		120	66.5-118			BS-3
Total TPH C6-C28	473	10.0	mg/kg	400		118	77.6-123			
Surrogate: 1-Chlorooctane	58.0		mg/kg	50.0		116	48.2-134			
Surrogate: 1-Chlorooctadecane	59.8		mg/kg	50.0		120	49.1-148			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: MAYARO 22 ST. #4
Project Number: NONE GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
30-Nov-23 14:40

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

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

Batch 3112211 - General Prep - Organics**LCS Dup (3112211-BSD1)**

Prepared & Analyzed: 22-Nov-23

GRO C6-C10	227	10.0	mg/kg	200		114	66.4-123	2.55	17.7	
DRO >C10-C28	235	10.0	mg/kg	200		117	66.5-118	2.26	21	
Total TPH C6-C28	462	10.0	mg/kg	400		115	77.6-123	2.40	18.5	
Surrogate: 1-Chlorooctane	56.4		mg/kg	50.0		113	48.2-134			
Surrogate: 1-Chlorooctadecane	58.5		mg/kg	50.0		117	49.1-148			

Batch 3112212 - General Prep - Organics**Blank (3112212-BLK1)**

Prepared & Analyzed: 22-Nov-23

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	44.7		mg/kg	50.0		89.4	48.2-134			
Surrogate: 1-Chlorooctadecane	45.6		mg/kg	50.0		91.3	49.1-148			

LCS (3112212-BS1)

Prepared & Analyzed: 22-Nov-23

GRO C6-C10	201	10.0	mg/kg	200		100	66.4-123			
DRO >C10-C28	193	10.0	mg/kg	200		96.6	66.5-118			
Total TPH C6-C28	394	10.0	mg/kg	400		98.5	77.6-123			
Surrogate: 1-Chlorooctane	51.2		mg/kg	50.0		102	48.2-134			
Surrogate: 1-Chlorooctadecane	49.1		mg/kg	50.0		98.2	49.1-148			

LCS Dup (3112212-BSD1)

Prepared & Analyzed: 22-Nov-23

GRO C6-C10	202	10.0	mg/kg	200		101	66.4-123	0.606	17.7	
DRO >C10-C28	195	10.0	mg/kg	200		97.3	66.5-118	0.740	21	
Total TPH C6-C28	397	10.0	mg/kg	400		99.2	77.6-123	0.672	18.5	
Surrogate: 1-Chlorooctane	51.0		mg/kg	50.0		102	48.2-134			
Surrogate: 1-Chlorooctadecane	48.5		mg/kg	50.0		97.0	49.1-148			

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Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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101 East Marland, Hobbs, NM 88240
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Pavagon Environmental</u>		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: <u>Chris Jones</u>		Company: <u>Spur</u>					
Address: <u>1601 N. Turner St. Ste. 500</u>		Attn: <u>Brady Wolder</u>					
City: <u>Hobbs</u>		Address:					
Phone #: <u>575-944-7814</u>		City:					
Fax #:		State:					
Project #: <u>Wapato 22 St. #14</u>		Zip:					
Project Name: <u>Wapato 22 St. #14</u>		Phone #:					
Project Location: <u>Edley</u>		Fax #:					
Sampler Name: <u>DeWay</u>							
FOR LAB USE ONLY							
Sample I.D. <u>*0811-0083</u>		(G)RAB OR (C)OMP.					
Lab I.D. <u>+036351</u>		# CONTAINERS					
		GROUNDWATER					
		WASTEWATER					
		SOIL					
		OIL					
		SLUDGE					
		OTHER:					
		ACID/BASE:					
		ICE / COOL					
		OTHER:					
41 5.64 @5		DATE		11/21		TIME	
42 5.63							
43 5.66							
44 5.67							
45 5.68							
46 5.69							
47 5.70							
48 5.71							
49 5.72							
50 5.73							
Relinquished By: <u>R2.MS</u>		Date: <u>11/21</u>		Received By: <u>Wapato 22 St. #14</u>		Date: <u>11/21</u>	
Relinquished By:		Date:		Received By:		Date:	
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		<input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		<u>W.O.</u>	
Turnaround Time:		Standard		Bacteria (only)		Sample Condition	
Thermometer ID #140		Rush		<input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Observed Temp. °C	
Correction Factor 0°C				<input type="checkbox"/> Yes <input type="checkbox"/> No		Corrected Temp. °C	
REMARKS: <u>Email results to Chris Jones</u>							
<u>*Customer added sample depths.</u>							
<u>Sped up results 11/30/23</u>							

FORM 006 REV 07/11/23

+ Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



Chlorides

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Pegasus Environmental Project Manager: Chris Jones Address: 1601 N. Turner St. Ste. 500 City: Hobbs State: NM Zip: 88240 Phone #: 505-964-7814 Fax #: Project #: Project Name: Muepko 22 St. #4 Project Location: Eddy Sampler Name: DeWayne				P.O. #: Company: Spur Attn: Bradley Weller Address: City: State: Zip: Phone #: Fax #:			
BILL TO				ANALYSIS REQUEST			
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Relinquished By: [Signature] Relinquished By: [Signature] Time: 11/21 Date: 11/21 Received By: [Signature]				Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Email Results are emailed. Please provide Email address: REMARKS: Email results to Chris Jones * customer added sample depths Spectrometer 11/30/21			
Delivered By: (Circle One) Sample - UPS - Bus - Other:				Observed Temp. °C 11 Corrected Temp. °C Sample Condition Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> CHECKED BY: [Signature] (Initials) Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID #140 Correction Factor 0°C Bacteria (only) Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Corrected Temp. °C			
Lab I.D. Sample I.D. * 88 11:30 23 61 SSW-1 @ 5'				(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:			
				DATE 11/21 TIME TPH Ext. BTEX Chlorides			

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS

Action 296907

QUESTIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:
	328947
	Action Number:
	296907
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2315041512
Incident Name	NAPP2315041512 MAYARO 22 STATE #004 @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source

Please answer all the questions in this group.

Site Name	MAYARO 22 STATE #004
Date Release Discovered	05/29/2023
Surface Owner	State

Incident Details

Please answer all the questions in this group.

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: High Line Pressure Pipeline (Any) Produced Water Released: 47 BBL Recovered: 0 BBL Lost: 47 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	HIGH PRESSURE ON A 4" POLY LINE CAUSED A RELEASE INTO THE PASTURE

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QUESTIONS, Page 2

Action 296907

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:	328947
	Action Number:	296907
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	N/A

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 12/21/2023
--	--

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QUESTIONS, Page 3

Action 296907

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:	328947
	Action Number:	296907
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	7600
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	11/01/2023
On what date will (or did) the final sampling or liner inspection occur	11/21/2023
On what date will (or was) the remediation complete(d)	11/30/2023
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	15000
What is the estimated volume (in cubic yards) that will be remediated	2500

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

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

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QUESTIONS, Page 4

Action 296907

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:	328947
	Action Number:	296907
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 12/21/2023
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 5

Action 296907

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:
	328947
	Action Number:
	296907
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

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

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QUESTIONS, Page 6

Action 296907

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:	328947
	Action Number:	296907
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	296875
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/14/2023
What was the (estimated) number of samples that were to be gathered	90
What was the sampling surface area in square feet	15000

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	15000
What was the total volume (cubic yards) remediated	2500
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	15000
What was the total volume (in cubic yards) reclaimed	2500
Summarize any additional remediation activities not included by answers (above)	N/A

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

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

I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 12/21/2023
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QUESTIONS, Page 7

Action 296907

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 296907
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 296907

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:
	328947
	Action Number:
	296907
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2315041512 MAYARO 22 STATE #004, thank you. This Remediation Closure Report is approved. The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical.	3/25/2024
rhamlet	Pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan. A revegetation report will not be accepted until the release area, including areas reasonably needed for production or drilling activities, are complete. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable. All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil.	3/25/2024
rhamlet	Information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved. OR Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	3/25/2024