



January 3rd, 2024

NMOCD District 2
Mike Bratcher
Artesia, NM 88210

Bureau of Land Management
Crisha Morgan
Carlsbad Field Office

Re: Site Assessment, Remediation, and Closure Request
Morris Arco 26 #2
API No. 30-015-29258
GPS: Latitude 32.63609 Longitude -104.45219
UL "B", Sec. 26, T19S, R25E
Eddy County, NM
NMOCD Ref. No. nAPP2130550702

Paragon Environmental, LLC (Paragon) has been contracted by Spur Energy Partners (Spur) to perform a spill assessment and conduct remediation activities for the release site known as the Morris Arco 26 #2 (Morris). Details of the release are summarized below:

Release Details			
Type of Release:	Produced Water	Volume of Release:	40 bbls
		Volume Recovered:	35 bbls
Source of Release:	Valve	Date of Release:	8/26/2021
Was Immediate Notice Given?	Yes	If, Yes, to Whom?	Mike Bratcher, NMOCD
Was a Watercourse Reached?	No	If Yes, Volume Impacting Watercourse:	N/A
Surface Owner:	Private	Mineral Owner:	Private
Due to corrosion, a valve at the wellhead failed causing a release of fluid onto the ground. The release affected the well pad and adjacent pasture area.			

Topographical and Wetland Maps are provided in Figures #2 and #5.

REGULATORY FRAMEWORK & SITE CHARACTERIZATION

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

- Depth to Groundwater in the affected area 26-50'
- Method to determine DTW NM OSE
- Did the release impact groundwater or surface water No

Depth to groundwater information is provided in Appendix A.

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

- A Continuously flowing watercourse or any other significant watercourse- 300-500'
- Any lakebed, sinkhole, or playa lake- 1-5 mi
- An occupied permanent residence, school, hospital, institution, or church- 1-5 mi
- A spring or a private domestic fresh water well used by less than 5 households for domestic or stock watering purposes- 1-5 mi
- Any other fresh water well or spring- 1-5 mi
- Incorporated municipal boundaries or a defined municipal fresh water well field- 1-5 mi
- A wetland- 1000'-1/2 mi
- A subsurface mine- >5 mi
- An (non-karst) unstable area- 1000'-1/2 mi
- Categorize the risk of this well/site being in a karst area geology- Medium
- A 100-year floodplain- 300-500'
- Did the release impact areas not on an exploration, development, production, or storage site- Yes

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the Piedmont alluvial deposits (Holocene to lower Pleistocene)—Includes deposits of higher gradient tributaries bordering major stream valleys, alluvial veneers of the piedmont slope, and alluvial fans. May locally include uppermost Pliocene deposits (QP). The soil in this area is made up of Reagan-Upton Association, with 0 to 9 percent slopes, according to the United States Department of Agriculture Natural Resources Conservation Service. The drainage courses in this area are well-drained.

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

INITIAL SITE ASSESSMENT

On August 15, 2022, Paragon went to the Morris and conducted an initial site assessment and obtained soil samples. During the initial site assessment, fifteen (15) soil samples were collected in the spill zone, labeled S. During the process of obtaining these samples they were field tested in an effort to determine the vertical extent of soil impact. We obtained an additional nine horizontal samples labeled SW, anticipating these areas will be the edge of our horizontal excavation. These samples were collected in accordance with NMAC 19.15.29 and submitted to an approved laboratory for analysis. A table summarizing laboratory analytical results from soil samples collected during the above-stated activities is provided below:

8-15-22 Laboratory Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 80')								
Sample Date 8-15-22		Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg				Closure Criteria 100 mg/kg	Closure Criteria 600 mg/kg
Sample ID	Depth (BGS)	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
SW-1	0-6"	ND	ND	ND	ND	ND	ND	3560
	1' REFUSAL	--	--	--	--	--	--	3400
SW-2	0-6"	ND	ND	ND	ND	ND	ND	1570
	1' REFUSAL	--	--	--	--	--	--	640
SW-3	0-6"	ND	ND	ND	ND	ND	ND	304
	1' REFUSAL	--	--	--	--	--	--	288
SW-4	0-6"	ND	ND	ND	ND	ND	ND	3920
	1' REFUSAL	--	--	--	--	--	--	4880
SW-5	1'	ND	ND	ND	ND	ND	ND	320
	2'	--	--	--	--	--	--	192
	3' REFUSAL	--	--	--	--	--	--	176
SW-6	1'	ND	ND	ND	ND	ND	ND	2760
	2'	--	--	--	--	--	--	2320
	3'	--	--	--	--	--	--	1650
	4' REFUSAL	--	--	--	--	--	--	1220
SW-7	6"	ND	ND	ND	24.6	ND	24.6	96
	1' REFUSAL	--	--	--	--	--	--	80
SW-8	1'	ND	ND	ND	ND	ND	ND	400
	2'	--	--	--	--	--	--	688
SW-9	1'	ND	ND	ND	ND	ND	ND	304
	2'	--	--	--	--	--	--	448
S-1	1'	ND	ND	ND	ND	ND	ND	1250
	1.5' REFUSAL	--	--	--	--	--	--	1600
S-2	6"-1'	ND	ND	ND	ND	ND	ND	1310
	6"-1'	ND	ND	ND	ND	ND	ND	4040
S-3	1.5' REFUSAL	--	--	--	--	--	--	5920
S-4	1'	ND	ND	ND	23.7	ND	23.7	4360
	2'	--	--	--	--	--	--	5360
S-5	0-6"	ND	ND	ND	ND	ND	ND	560
	1' REFUSAL	--	--	--	--	--	--	800
S-6	1'	ND	ND	ND	ND	ND	ND	1100
	2'	--	--	--	--	--	--	1390
S-7	1'	ND	ND	ND	16.1	ND	16.1	3080
	2'	--	--	--	--	--	--	2240
	3'	--	--	--	--	--	--	2680
	4' REFUSAL	--	--	--	--	--	--	2640
S-8	1'	ND	ND	ND	ND	ND	ND	368
	2'	--	--	--	--	--	--	224
	3'	--	--	--	--	--	--	464
	4'	--	--	--	--	--	--	832
S-9	1'	ND	ND	ND	ND	ND	ND	80
	2'	--	--	--	--	--	--	96
S-10	3' REFUSAL	--	--	--	--	--	--	48
	1	ND	ND	ND	ND	ND	ND	96
	2'	--	--	--	--	--	--	304
	3'	--	--	--	--	--	--	240
S-11	3.5' REFUSAL	--	--	--	--	--	--	192
	1'	ND	ND	ND	ND	ND	ND	208
	2'	--	--	--	--	--	--	192
	3' REFUSAL	--	--	--	--	--	--	144
S-12	1'	ND	ND	ND	ND	ND	ND	48
	2'	--	--	--	--	--	--	48
	3'	--	--	--	--	--	--	32
	4'	--	--	--	--	--	--	16
S-13	1'	ND	ND	ND	ND	ND	ND	16
	2'	--	--	--	--	--	--	32
	3'	--	--	--	--	--	--	16
	3.5' REFUSAL	--	--	--	--	--	--	ND
S-14	1'	ND	ND	ND	ND	ND	ND	16
	2'	--	--	--	--	--	--	ND
	3'	--	--	--	--	--	--	32
	4'	--	--	--	--	--	--	112
S-15	1'	ND	ND	ND	ND	ND	ND	48
	2'	--	--	--	--	--	--	48
	3'	--	--	--	--	--	--	160
	4'	--	--	--	--	--	--	160

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

On December 16, 2022, Paragon returned to the site to complete the delineation process in the areas that weren't completely delineated. The results of this sampling event are in the following data table:

12/15/22 Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')		
Sample Date 12-16-22		Closure Criteria ≤ 600 mg/kg
Sample ID	Depth (BGS)	CHLORIDES
SW-1	2'	1820
	3'	1870
	4'	1570
	5'	1300
	6'	224
SW-2	2'	464
	3'	592
SW-4	2'	368
	3'	496
	4'	256
	5'	272
SW-6	5'	528
	6'	448
SW-8	3'	2530
	4'	2270
	5'	208
S-1	3'	1890
	4'	1070
	5'	1010
	6'	880
	7'	704
	8'	656
	9'	656
S-2	10'	624
	2'	448
	3'	1230
	4'	912
	5'	960
S-3	6'	32
	3'	1170
	4'	1150
	5'	2380
	6'	2240
	7'	976
	8'	704
S-4	9'	896
	10'	384
	3'	1700
	4'	1740
	5'	976
	6'	1180
S-5	7'	1280
	8'	1360
	9'	128
	2'	96
	3'	60
S-6	3'	480
	4'	912
	5'	1020
	6'	656
	7'	224
S-7	5'	80
	6'	64

(ND) Analyte Not Detected

Laboratory data is attached in Appendix D

A Site Map is provided in Figure #1.

REMEDATION ACTIVITIES

On November 4th, 2024, Paragon mobilized personnel and heavy equipment to conduct remedial activities. Based on the site characteristics and field observations made during the site assessment, the following details the remedial activities we conducted to advance the Release Site toward an NMOCD-approved site closure.

Our remediation began by excavating in the pasture area and working our way onto the pad. Confirmation samples were labeled B for bottoms and SW for sidewalls. The depths, square footage, and yardage are detailed below:

- S-1 Excavated to a depth of 10 feet BGS- 1100 S/F, 407 C/Y
- S-2 Excavated to a depth of 6 feet BGS- 5200 S/F, 1155 C/Y
- S-3 Excavated to a depth of 10 feet BGS- 3000 S/F, 1111 C/Y
- S-4 Excavated to a depth of 9 feet BGS- 1600 S/F, 533 C/Y
- S-5 Excavated to a depth of 2 feet BGS- 800 S/F, 59 C/Y
- S-6 Excavated to a depth of 7 feet BGS- 1600 S/F, 415 C/Y
- S-7 and S-8 Excavated to a depth of 5 feet BGS- 1900 S/F, 352 C/Y
- SW-2 Excavated to a depth of 2 feet BGS- 350 S/F, 26 C/Y
- SW-4 Excavated to a depth of 2 feet BGS- 850 S/F, 63 C/Y
- SW-8 Excavated to a depth of 5 feet BGS- 400 S/F, 74 C/Y

The total spill area was roughly 16,800 S/F, and the total spill yardage was roughly 4195 C/Y. A notification was submitted to the NMOCD prior to obtaining confirmation samples. The bottom samples were representative of no more than 200 sq/ft, and the sidewall samples were obtained every 50 feet. The results of the sampling event are in the following data table.

10-18-24 Confirmation Laboratory Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')							
Sample Date 10-18-24	Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg				Closure Criteria ≤ 100 mg/kg	Closure Criteria ≤ 600 mg/kg
Sample ID	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
B - 1 5'	ND	ND	ND	ND	ND	0	32
B - 10 5'	ND	ND	ND	ND	ND	0	352
B - 11 2'	ND	ND	ND	ND	ND	0	64
B - 12 2'	ND	ND	ND	ND	ND	0	32
B - 13 2'	ND	ND	ND	ND	ND	0	64
B - 14 2'	ND	ND	ND	ND	ND	0	176
B - 15 2'	ND	ND	ND	ND	ND	0	64
B - 16 10'	ND	ND	ND	ND	ND	0	64
B - 17 10'	ND	ND	ND	ND	ND	0	128
B - 18 10'	ND	ND	ND	ND	ND	0	624
B - 19 10'	ND	ND	ND	ND	ND	0	80
B - 2 5'	ND	ND	ND	ND	ND	0	336
B - 20 10'	ND	ND	ND	ND	ND	0	48
B - 21 10'	ND	ND	ND	ND	ND	0	64
B - 22 10'	ND	ND	ND	ND	ND	0	400
B - 23 10'	ND	ND	ND	ND	ND	0	320
B - 24 10'	ND	ND	ND	ND	ND	0	32
B - 25 10'	ND	ND	ND	ND	ND	0	368
B - 26 10'	ND	ND	ND	ND	ND	0	32
B - 27 10'	ND	ND	ND	ND	ND	0	224
B - 28 10'	ND	ND	ND	ND	ND	0	16
B - 29 10'	ND	ND	ND	ND	ND	0	64
B - 3 5'	ND	ND	ND	ND	ND	0	64
B - 30 10'	ND	ND	ND	ND	ND	0	32
B - 31 6'	ND	ND	ND	ND	ND	0	64
B - 32 6'	ND	ND	ND	ND	ND	0	32
B - 33 6'	ND	ND	ND	ND	ND	0	272
B - 34 6'	ND	ND	ND	ND	ND	0	48
B - 35 6'	ND	ND	ND	ND	ND	0	80
B - 36 6'	ND	ND	ND	ND	ND	0	32
B - 37 6'	ND	ND	ND	ND	ND	0	256
B - 38 6'	ND	ND	ND	ND	ND	0	48
B - 39 6'	ND	ND	ND	ND	ND	0	48
B - 4 5'	ND	ND	ND	ND	ND	0	16
B - 40 6'	ND	ND	ND	ND	ND	0	32
B - 41 6'	ND	ND	ND	ND	ND	0	224
B - 42 6'	ND	ND	ND	ND	ND	0	48
B - 43 6'	ND	ND	ND	ND	ND	0	80
B - 44 6'	ND	ND	ND	ND	ND	0	16
B - 45 6'	ND	ND	ND	ND	ND	0	320
B - 46 6'	ND	ND	ND	ND	ND	0	368
B - 47 6'	ND	ND	ND	ND	ND	0	32
B - 48 6'	ND	ND	ND	ND	ND	0	16
B - 49 6'	ND	ND	ND	ND	ND	0	224
B - 5 5'	ND	ND	ND	ND	ND	0	80
B - 50 6'	ND	ND	ND	ND	ND	0	48
B - 51 6'	ND	ND	ND	ND	ND	0	304
B - 52 6'	ND	ND	ND	ND	ND	0	336
B - 53 6'	ND	ND	ND	ND	ND	0	176
B - 54 6'	ND	ND	ND	ND	ND	0	64
B - 55 6'	ND	ND	ND	ND	ND	0	272
B - 56 6'	ND	ND	ND	ND	ND	0	368
B - 57 10'	ND	ND	ND	ND	ND	0	128
B - 58 10'	ND	ND	ND	ND	ND	0	48
B - 59 10'	ND	ND	ND	ND	ND	0	368
B - 6 5'	ND	ND	ND	ND	ND	0	320
B - 60 10'	ND	ND	ND	ND	ND	0	304
B - 7 5'	ND	ND	ND	ND	ND	0	32
B - 8 5'	ND	ND	ND	ND	ND	0	48
B - 9 5'	ND	ND	ND	ND	ND	0	64
B - 61 10'	ND	ND	ND	ND	ND	0	224
B - 62 10'	ND	ND	ND	ND	ND	0	64
B - 63 2'	ND	ND	ND	ND	ND	0	288
B - 64 2'	ND	ND	ND	ND	ND	0	496
B - 65 7'	ND	ND	ND	ND	ND	0	240
B - 66 7'	ND	ND	ND	ND	ND	0	48
B - 67 7'	ND	ND	ND	ND	ND	0	208
B - 68 7'	ND	ND	ND	ND	ND	0	304
B - 69 7'	ND	ND	ND	ND	ND	0	336
B - 70 7'	ND	ND	ND	ND	ND	0	32

10-18-24 Confirmation Laboratory Results Cont...

B - 71 7'	ND	ND	ND	ND	ND	0	240
B - 72 7'	ND	ND	ND	ND	ND	0	304
B - 73 9'	ND	ND	ND	ND	ND	0	16
B - 74 9'	ND	ND	ND	ND	ND	0	16
B - 75 9'	ND	ND	ND	ND	ND	0	32
B - 76 9'	ND	ND	ND	ND	ND	0	ND
B - 77 9'	ND	ND	ND	ND	ND	0	16
B - 78 9'	ND	ND	ND	ND	ND	0	16
B - 79 9'	ND	ND	ND	ND	ND	0	32
B - 80 9'	ND	ND	ND	ND	ND	0	16
B - 81 2'	ND	ND	ND	ND	ND	0	ND
B - 82 2'	ND	ND	ND	ND	ND	0	32
B - 83 2'	ND	ND	ND	ND	ND	0	ND
B - 84 2'	ND	ND	ND	ND	ND	0	16
B - 85 5'	ND	ND	ND	ND	ND	0	32
B - 86 5'	ND	ND	ND	ND	ND	0	ND
ESW - 1 5'	ND	ND	ND	ND	ND	0	32
ESW - 10 5'	ND	ND	ND	ND	ND	0	32
ESW - 2 2'	ND	ND	ND	ND	ND	0	16
ESW - 3 2'	ND	ND	ND	ND	ND	0	32
ESW - 4 10'	ND	ND	ND	ND	ND	0	16
ESW - 5 10'	ND	ND	ND	ND	ND	0	16
ESW - 6 10'	ND	ND	ND	ND	ND	0	32
ESW - 6 6'	ND	ND	ND	ND	ND	0	32
ESW - 7 7'	ND	ND	ND	ND	ND	0	32
ESW - 8 9'	ND	ND	ND	ND	ND	0	32
ESW - 9 2'	ND	ND	ND	ND	ND	0	64
NSW - 1 5'	ND	ND	ND	ND	ND	0	32
NSW - 2 10'	ND	ND	ND	ND	ND	0	32
NSW - 5 2'	ND	ND	ND	ND	ND	0	16
NSW - 6 7'	ND	ND	ND	ND	ND	0	48
NSW - 7 2'	ND	ND	ND	ND	ND	0	16
NSW - 8 5'	ND	ND	ND	ND	ND	0	48
SSW - 1 5'	ND	ND	ND	ND	ND	0	16
SSW - 2 2'	ND	ND	ND	ND	ND	0	32
SSW - 3 10'	ND	ND	ND	ND	ND	0	48
SSW - 4 6'	ND	ND	ND	ND	ND	0	32
SSW - 5 10'	ND	ND	ND	ND	ND	0	32
SSW - 6 2'	ND	ND	ND	ND	ND	0	48
SSW - 7 7'	ND	ND	ND	ND	ND	0	32
SSW - 8 9'	ND	ND	ND	ND	ND	0	80
SSW - 9 5'	ND	ND	ND	ND	ND	0	16
WSW - 1 5'	ND	ND	ND	ND	ND	0	ND
WSW - 10 9'	ND	ND	ND	ND	ND	0	16
WSW - 11 2'	ND	ND	ND	ND	ND	0	32
WSW - 12 5'	ND	ND	ND	ND	ND	0	32
WSW - 2 10'	ND	ND	ND	ND	ND	0	32
WSW - 3 10'	ND	ND	ND	ND	ND	0	ND
WSW - 3 6'	ND	ND	ND	ND	ND	0	16
WSW - 4 10'	ND	ND	ND	ND	ND	0	16
WSW - 4 6'	ND	ND	ND	ND	ND	0	32
WSW - 5 6'	ND	ND	ND	ND	ND	0	32
WSW - 6 10'	ND	ND	ND	ND	ND	0	32
WSW - 7 2'	ND	ND	ND	ND	ND	0	32
WSW - 8 7'	ND	ND	ND	ND	ND	0	48
WSW - 9 9'	ND	ND	ND	ND	ND	0	48

(ND) Analyte Not Detected

After receiving these results, we only needed to excavate the area of B-18 further, so we removed it to 10.5' BGS. The results of this sample along with the backfill confirmation samples are in the following data table:

12-13-24 Confirmation Laboratory Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')							
Sample Date 12-13-24	Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg				Closure Criteria ≤ 100 mg/kg	Closure Criteria ≤ 600 mg/kg
Sample ID	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
B - 18 10.5'	ND	ND	ND	ND	ND	0	160
BACKFILL - 1	ND	ND	ND	ND	ND	0	80
BACKFILL - 2	ND	ND	ND	ND	ND	0	64
BACKFILL - 3	ND	ND	ND	ND	ND	0	80

These laboratory analytical results showed that the confirmation soil samples were below NMOCD Closure Criteria. The excavated soils were loaded into trucks and transported to Lea Land, an NMOCD-approved waste disposal facility. The excavated areas were backfilled with “like” material obtained from a localized pit. The affected area was then contoured and machine-compacted to match the surrounding grade.

To fully reclaim the pasture's area, we will return in the spring to re-seed with the Seed Mixture for CS Course Sites, which includes Sand Bluestem 2lbs/Acre, Sideoats Grama 2lbs/Acre, Blue Grama 1.5lbs/Acre, Little Bluestem 1.5lbs/Acre, Sand Dropseed 1lbs/Acre, and Plains Bristlegrass .75lbs/Acre.

CLOSURE REQUEST

After careful review, Paragon requests that the incident, nAPP2130550702, be closed. Spur has complied with the applicable closure requirements outlined in rule 19.15.19.12 NMAC.

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

Respectfully,



Tristan Jones
Project Manager
Paragon Environmental, LLC



Chris Jones
Environmental Professional
Paragon Environmental, LLC



Attachments

Figures:

- 1- Site Map
- 2- Topographic Map
- 3- Karst Map
- 4- Confirmation Sample Maps
- 5- Wetland & Waterway Map

Appendices:

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



Figures:

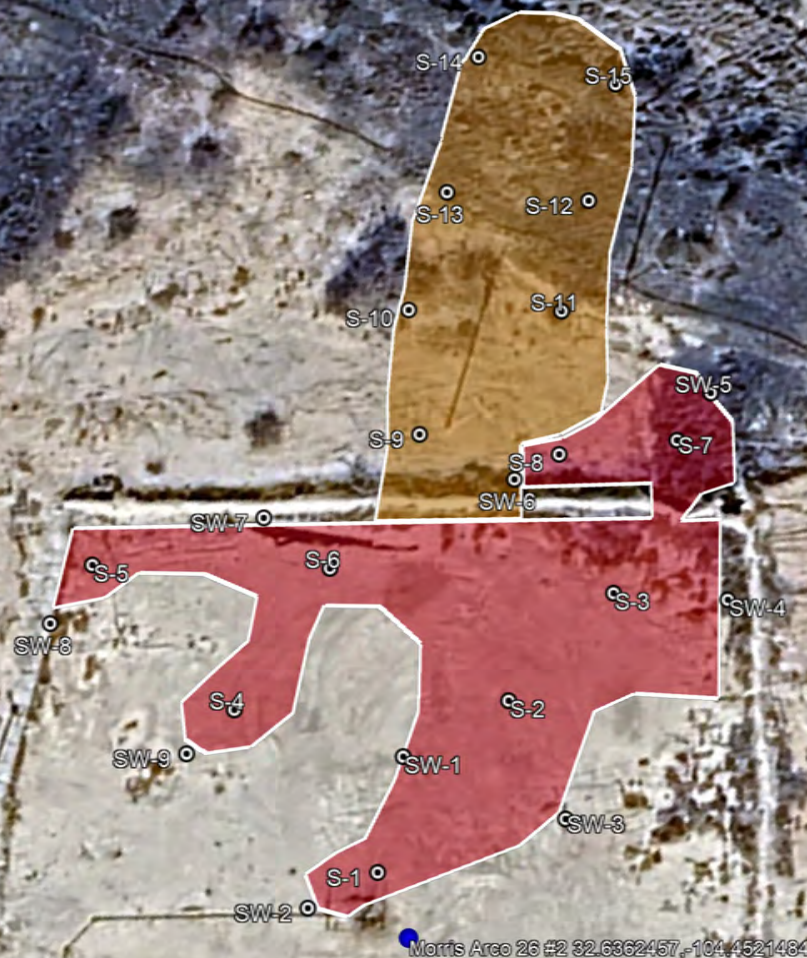
- 1- Site Map
- 2-TOPO Map
- 3- Karst Map
- 4-Confirmation Sample Map
- 5- Wetland & Waterway Map

Spur Energy Partners

Morris Arco 26 #2
API # 30-015-29258
Eddy County, NM
Site Map

Legend

- Feature 1
- Morris Arco 26 #2 32.6362457,-104.4521484
- Overspray
- Spill Area

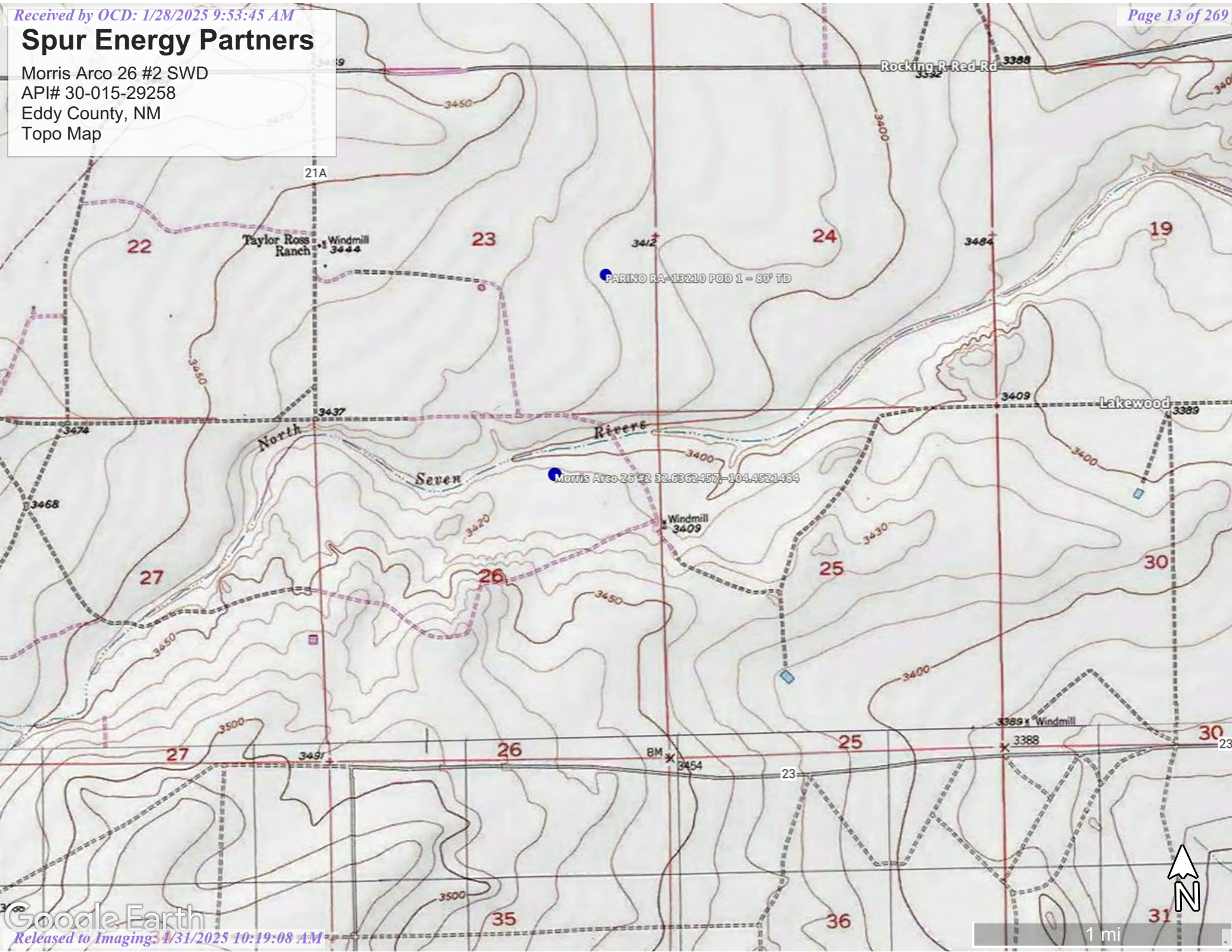


Google Earth



Spur Energy Partners

Morris Arco 26 #2 SWD
API# 30-015-29258
Eddy County, NM
Topo Map

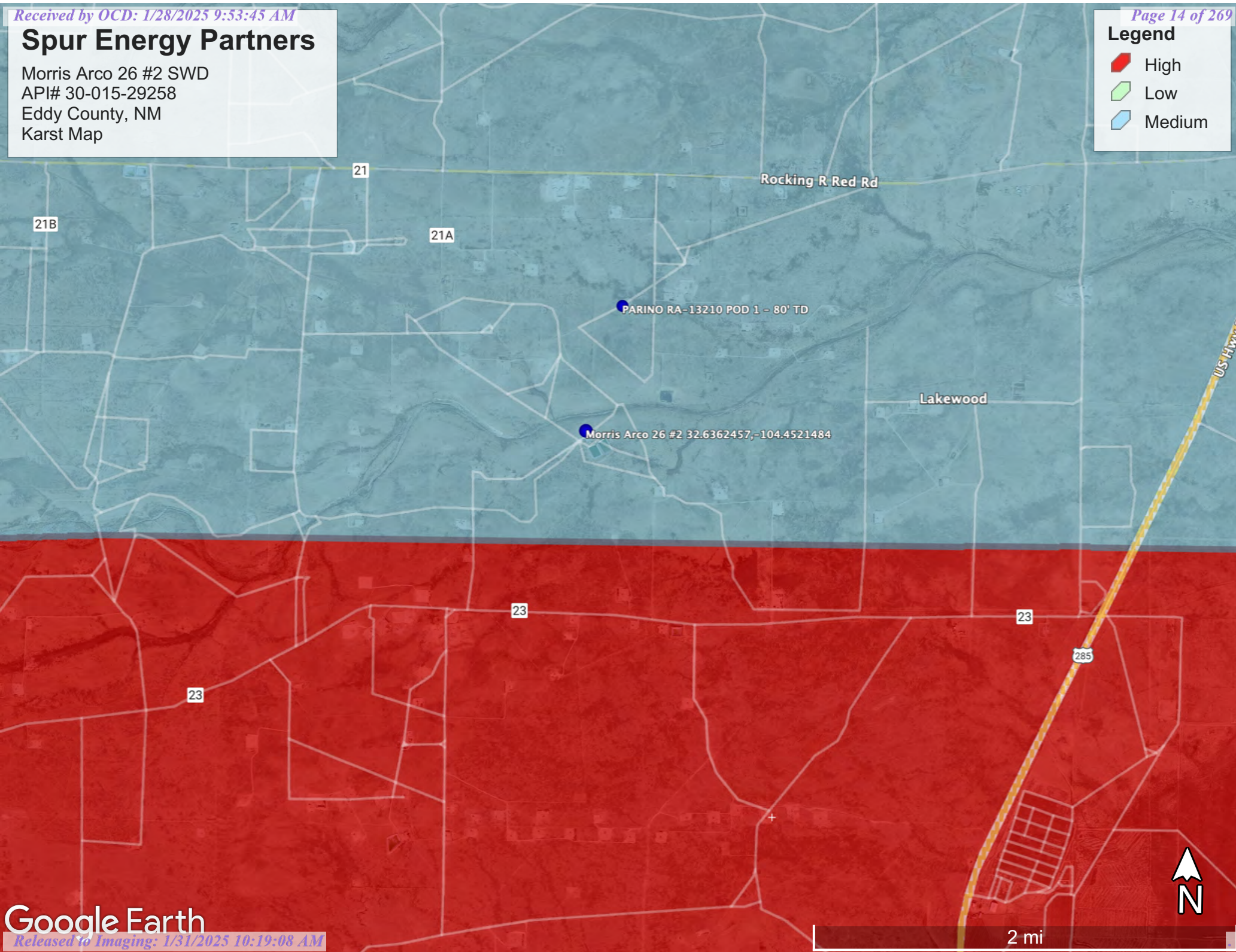


Spur Energy Partners

Morris Arco 26 #2 SWD
API# 30-015-29258
Eddy County, NM
Karst Map

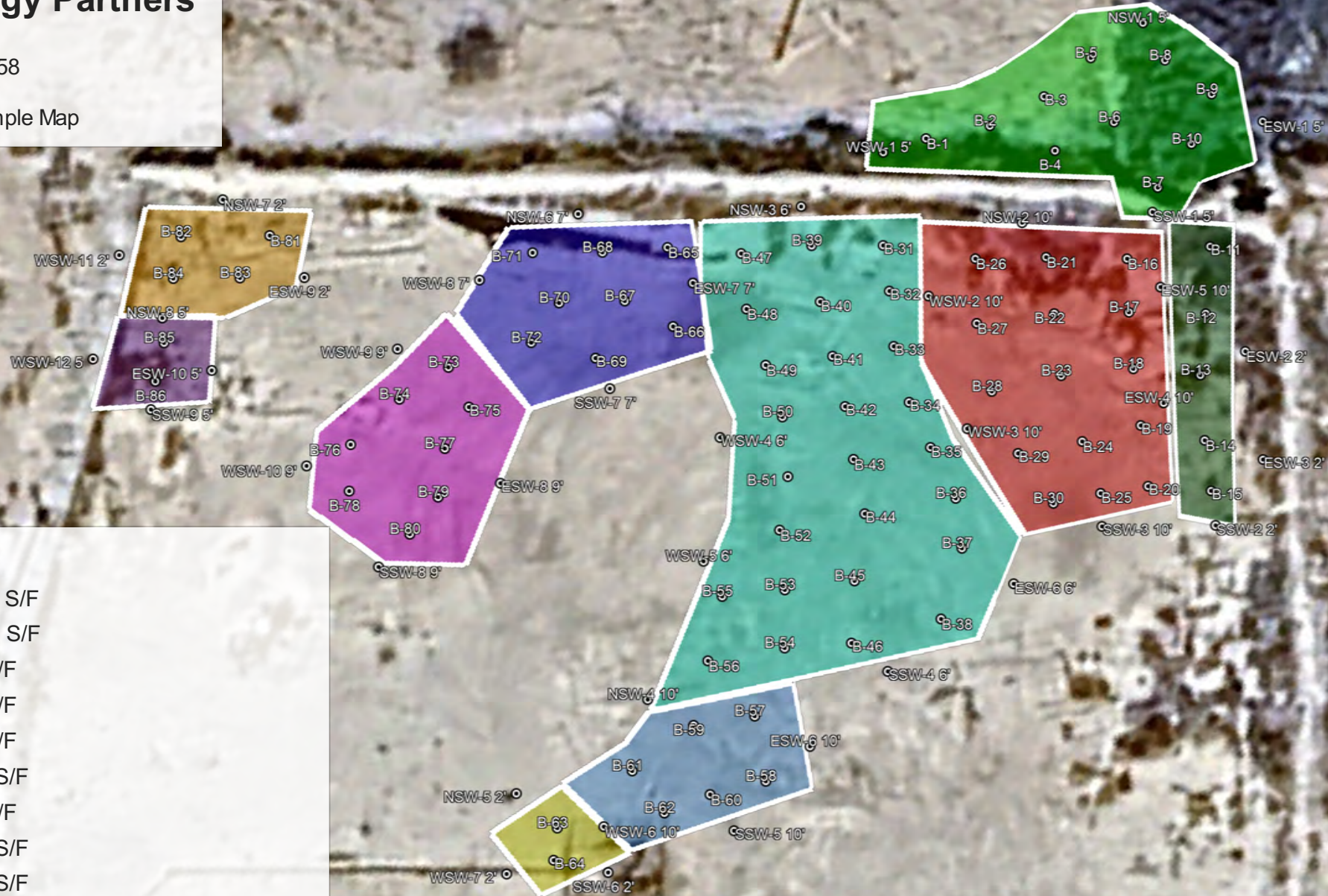
Legend

- High
- Low
- Medium



Spur Energy Partners

Morris Arco 26 #2
API # 30-015-29258
Eddy County, NM
Confirmation Sample Map



Legend

- 10' Exc 1100 S/F
- 10' Exc 3000 S/F
- 2' Exc 350 S/F
- 2' Exc 800 S/F
- 2' Exc 850 S/F
- 5' Exc 1900 S/F
- 5' Exc 400 S/F
- 6' Exc 5200 S/F
- 7' Exc 1600 S/F
- 9' Exc 1600 S/F
- Feature 1
- Morris Arco 26 #2 32.6362457,-104.4521484



Morris Arco 26 #2 32.6362457,-104.4521484

Google Earth

Spur Energy Partners

Morris Arco 26 #2
API# 30-015-29258
Eddy County, NM
Wetland & Waterway Map

Legend

-  Waterway 363 Feet
-  Wetlands 0.35 Mile



Google Earth

2000 ft



Appendix A
Referenced Water Data:

New Mexico State of Engineers Office



New Mexico Office of the State Engineer

Water Column/Average Depth to Water


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

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

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

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
RA 10496		RA	ED	3	3	4	25	19S	25E	552801	3609865* 	1872	110	40	70
Average Depth to Water:														40 feet	
Minimum Depth:														40 feet	
Maximum Depth:														40 feet	

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 551388.308

Northing (Y): 3611094

Radius: 2000

*UTM location was derived from PLSS - see Help

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

8/18/22 11:51 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Map Unit Description: Reagan-Upton association, 0 to 9 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

RE—Reagan-Upton association, 0 to 9 percent slopes

Map Unit Setting

National map unit symbol: 1w5d

Elevation: 1,100 to 5,400 feet

Mean annual precipitation: 6 to 14 inches

Mean annual air temperature: 60 to 64 degrees F

Frost-free period: 180 to 240 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Reagan and similar soils: 70 percent

Upton and similar soils: 25 percent

Minor components: 5 percent

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

Description of Reagan

Setting

Landform: Fan remnants, alluvial fans

Landform position (three-dimensional): Rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Alluvium and/or eolian deposits

Typical profile

H1 - 0 to 8 inches: loam

H2 - 8 to 60 inches: loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water

(Ksat): Moderately high to high (0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent

Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Moderate (about 8.2 inches)

Interpretive groups

Land capability classification (irrigated): 2e

Land capability classification (nonirrigated): 6e

Map Unit Description: Reagan-Upton association, 0 to 9 percent slopes---Eddy Area, New Mexico

Hydrologic Soil Group: B
Ecological site: R070DY153NM - Loamy
Hydric soil rating: No

Description of Upton

Setting

Landform: Ridges, fans
Landform position (three-dimensional): Side slope, rise
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Residuum weathered from limestone

Typical profile

H1 - 0 to 9 inches: gravelly loam
H2 - 9 to 13 inches: gravelly loam
H3 - 13 to 21 inches: cemented
H4 - 21 to 60 inches: very gravelly loam

Properties and qualities

Slope: 0 to 9 percent
Depth to restrictive feature: 7 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high (0.01 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: 75 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R070DY159NM - Shallow Loamy
Hydric soil rating: No

Minor Components

Atoka

Percent of map unit: 3 percent
Ecological site: R042XC007NM - Loamy
Hydric soil rating: No

Pima

Percent of map unit: 2 percent
Ecological site: R042XC017NM - Bottomland

Map Unit Description: Reagan-Upton association, 0 to 9 percent slopes---Eddy Area, New Mexico

Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 17, Sep 12, 2021



Appendix B
Soil Survey:

U.S.D.A.

FEMA Flood Map

National Flood Hazard Layer FIRMMette



104°27'27"W 32°38'25"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000 104°26'49"W 32°37'55"N

Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
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 8/18/2022 at 1:45 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



Appendix C:

NMOCD Notification

Photographic Documentation



Angel Pena <angel@paragonenvironmental.net>

The Oil Conservation Division (OCD) has accepted the application, Application ID: 392905

<OCDOnline@state.nm.us>

Tue, Oct 15 at 11:52 PM

To: <angel@paragonenvironmental.net>

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

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2130550702.

The sampling event is expected to take place:

When: 10/18/2024 @ 08:00

Where: B-26-19S-25E 990 FNL 1650 FEL (32.6362457,-104.4521484)

Additional Information: Angel Pena
575-605-0773

Additional Instructions: +32.636564,-104.452308

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

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

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

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

OCD Permitting

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

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

Submission Information

Submission ID:	410728	Districts:	Artesia
Operator:	[328947] Spur Energy Partners LLC	Counties:	Eddy
Description:	Spur Energy Partners LLC [328947] , MORRIS ARCO 26 #002 , nAPP2130550702		
Status:	APPROVED		
Status Date:	12/11/2024		
References (2):	30-015-29258, nAPP2130550702		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2130550702
Incident Name	NAPP2130550702 MORRIS ARCO 26 #002 @ 30-015-29258
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-29258] MORRIS ARCO 26 #002

Location of Release Source

Site Name	MORRIS ARCO 26 #002
Date Release Discovered	08/26/2021
Surface Owner	Private

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	200
What is the estimated number of samples that will be gathered	1
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/13/2024
Time sampling will commence	01:00 PM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Angel Pena 575-605-0773
Please provide any information necessary for navigation to sampling site	32.6362457,-104.452148

Comments

No comments found for this submission.

Conditions

Summary: *tristanjones (12/11/2024)*, Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in th
remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

Go Back

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



Photographic Documentation
Before





**Photographic Documentation
During**





Photographic Documentation
Post





Appendix D:
Laboratory Results



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

August 19, 2022

CHRIS JONES

PARAGON ENVIROMENTAL

5002 CARRAIGE RD

HOBBS, NM 88242

RE: MORRIS ARCO 26 #2 SWD

Enclosed are the results of analyses for samples received by the laboratory on 08/16/22 9:18.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 1 0-6" (H223730-01)

BTEX 8021B		mg/kg	Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2022	ND	2.03	102	2.00	5.07	
Toluene*	<0.050	0.050	08/17/2022	ND	2.00	100	2.00	5.07	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	1.96	98.0	2.00	5.53	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.13	102	6.00	6.35	
Total BTEX	<0.300	0.300	08/17/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3560	16.0	08/17/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/17/2022	ND	192	96.0	200	3.69	
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	228	114	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 122 % 43-149

Surrogate: 1-Chlorooctadecane 145 % 42.5-161

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 1 1' REFUSAL (H223730-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3400	16.0	08/17/2022	ND	416	104	400	0.00	

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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 2 0-6" (H223730-03)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2022	ND	2.03	102	2.00	5.07		
Toluene*	<0.050	0.050	08/17/2022	ND	2.00	100	2.00	5.07		
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	1.96	98.0	2.00	5.53		
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.13	102	6.00	6.35		
Total BTEX	<0.300	0.300	08/17/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1570	16.0	08/17/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/17/2022	ND	192	96.0	200	3.69	
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	228	114	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 92.2 % 43-149

Surrogate: 1-Chlorooctadecane 110 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 2 1' REFUSAL (H223730-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	08/17/2022	ND	416	104	400	0.00		

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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 3 0-6" (H223730-05)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2022	ND	2.03	102	2.00	5.07	
Toluene*	<0.050	0.050	08/17/2022	ND	2.00	100	2.00	5.07	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	1.96	98.0	2.00	5.53	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.13	102	6.00	6.35	
Total BTEX	<0.300	0.300	08/17/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	08/17/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/17/2022	ND	192	96.0	200	3.69	
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	228	114	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 101 % 43-149

Surrogate: 1-Chlorooctadecane 120 % 42.5-161

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 3 1' REFUSAL (H223730-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	08/17/2022	ND	416	104	400	0.00		

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 4 0-6" (H223730-07)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2022	ND	2.03	102	2.00	5.07	
Toluene*	<0.050	0.050	08/17/2022	ND	2.00	100	2.00	5.07	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	1.96	98.0	2.00	5.53	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.13	102	6.00	6.35	
Total BTEX	<0.300	0.300	08/17/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3920	16.0	08/17/2022	ND	432	108	400	3.77	QM-07, QR-03	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/17/2022	ND	192	96.0	200	3.69	
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	228	114	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 100 % 43-149

Surrogate: 1-Chlorooctadecane 120 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 4 1' REFUSAL (H223730-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4880	16.0	08/17/2022	ND	432	108	400	3.77		

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 5 1' (H223730-09)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2022	ND	2.03	102	2.00	11.7	
Toluene*	<0.050	0.050	08/17/2022	ND	1.98	98.8	2.00	11.2	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	1.91	95.6	2.00	11.4	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	5.95	99.1	6.00	11.1	
Total BTEX	<0.300	0.300	08/17/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	08/17/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/17/2022	ND	192	96.0	200	3.69	
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	228	114	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 90.8 % 43-149

Surrogate: 1-Chlorooctadecane 105 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 5 2' (H223730-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	08/17/2022	ND	432	108	400	3.77		

Sample ID: SW - 5 3' REFUSAL (H223730-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	08/17/2022	ND	432	108	400	3.77	

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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 6 1' (H223730-12)

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	08/17/2022	ND	2.03	102	2.00	11.7		
Toluene*	<0.050	0.050	08/17/2022	ND	1.98	98.8	2.00	11.2		
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	1.91	95.6	2.00	11.4		
Total Xylenes*	<0.150	0.150	08/17/2022	ND	5.95	99.1	6.00	11.1		
Total BTX	<0.300	0.300	08/17/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2760	16.0	08/17/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/17/2022	ND	192	96.0	200	3.69	
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	228	114	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 91.1 % 43-149

Surrogate: 1-Chlorooctadecane 107 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 6 2' (H223730-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2320	16.0	08/17/2022	ND	432	108	400	3.77		

Sample ID: SW - 6 3' (H223730-14)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1650	16.0	08/17/2022	ND	432	108	400	3.77		

Sample ID: SW - 6 4' (H223730-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1220	16.0	08/17/2022	ND	432	108	400	3.77		

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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 7 6" (H223730-16)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2022	ND	2.03	102	2.00	11.7		
Toluene*	<0.050	0.050	08/17/2022	ND	1.98	98.8	2.00	11.2		
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	1.91	95.6	2.00	11.4		
Total Xylenes*	<0.150	0.150	08/17/2022	ND	5.95	99.1	6.00	11.1		
Total BTEX	<0.300	0.300	08/17/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/17/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/17/2022	ND	192	96.0	200	3.69	
DRO >C10-C28*	24.6	10.0	08/17/2022	ND	228	114	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 85.6 % 43-149

Surrogate: 1-Chlorooctadecane 99.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 7 1' REFUSAL (H223730-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/17/2022	ND	432	108	400	3.77		

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 8 1' (H223730-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2022	ND	2.03	102	2.00	11.7		
Toluene*	<0.050	0.050	08/17/2022	ND	1.98	98.8	2.00	11.2		
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	1.91	95.6	2.00	11.4		
Total Xylenes*	<0.150	0.150	08/17/2022	ND	5.95	99.1	6.00	11.1		
Total BTEx	<0.300	0.300	08/17/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	08/17/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/17/2022	ND	192	96.0	200	3.69	
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	228	114	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 84.9 % 43-149

Surrogate: 1-Chlorooctadecane 98.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 8 2' (H223730-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	08/17/2022	ND	432	108	400	3.77		

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 9 1' (H223730-20)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2022	ND	2.03	102	2.00	11.7	
Toluene*	<0.050	0.050	08/17/2022	ND	1.98	98.8	2.00	11.2	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	1.91	95.6	2.00	11.4	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	5.95	99.1	6.00	11.1	
Total BTX	<0.300	0.300	08/17/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	08/17/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/17/2022	ND	192	96.0	200	3.69	
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	228	114	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 105 % 43-149

Surrogate: 1-Chlorooctadecane 122 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 9 2' (H223730-21)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	08/17/2022	ND	432	108	400	3.77		

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 1 1' (H223730-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2022	ND	2.03	102	2.00	11.7		
Toluene*	<0.050	0.050	08/17/2022	ND	1.98	98.8	2.00	11.2		
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	1.91	95.6	2.00	11.4		
Total Xylenes*	<0.150	0.150	08/17/2022	ND	5.95	99.1	6.00	11.1		
Total BTEx	<0.300	0.300	08/17/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1250	16.0	08/17/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/17/2022	ND	192	96.0	200	3.69	
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	228	114	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 87.9 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 42.5-161

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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 1 1.5' REFUSAL (H223730-23)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1600	16.0	08/17/2022	ND	432	108	400	3.77		

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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 2 6''-1' REFUSAL (H223730-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2022	ND	2.03	102	2.00	11.7		
Toluene*	<0.050	0.050	08/17/2022	ND	1.98	98.8	2.00	11.2		
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	1.91	95.6	2.00	11.4		
Total Xylenes*	<0.150	0.150	08/17/2022	ND	5.95	99.1	6.00	11.1		
Total BTEx	<0.300	0.300	08/17/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1310	16.0	08/17/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/17/2022	ND	192	96.0	200	3.69	
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	228	114	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 91.6 % 43-149

Surrogate: 1-Chlorooctadecane 106 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 3 6''-1' (H223730-25)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2022	ND	2.03	102	2.00	11.7		
Toluene*	<0.050	0.050	08/17/2022	ND	1.98	98.8	2.00	11.2		
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	1.91	95.6	2.00	11.4		
Total Xylenes*	<0.150	0.150	08/17/2022	ND	5.95	99.1	6.00	11.1		
Total BTEx	<0.300	0.300	08/17/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4040	16.0	08/17/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2022	ND	197	98.7	200	1.14	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	222	111	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 92.8 % 43-149

Surrogate: 1-Chlorooctadecane 99.2 % 42.5-161

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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 3 1.5' REFUSAL (H223730-26)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5920	16.0	08/17/2022	ND	432	108	400	3.77		

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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 4 1' (H223730-27)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2022	ND	2.03	102	2.00	11.7		
Toluene*	<0.050	0.050	08/17/2022	ND	1.98	98.8	2.00	11.2		
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	1.91	95.6	2.00	11.4		
Total Xylenes*	<0.150	0.150	08/17/2022	ND	5.95	99.1	6.00	11.1		
Total BTEx	<0.300	0.300	08/17/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4360	16.0	08/17/2022	ND	416	104	400	0.00	QM-07, QR-03

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2022	ND	197	98.7	200	1.14	
DRO >C10-C28*	23.7	10.0	08/16/2022	ND	222	111	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 102 % 43-149

Surrogate: 1-Chlorooctadecane 114 % 42.5-161

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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 4 2' (H223730-28)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5360	16.0	08/17/2022	ND	416	104	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 5 0-6" REFUSAL (H223730-29)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2022	ND	2.03	102	2.00	11.7		
Toluene*	<0.050	0.050	08/17/2022	ND	1.98	98.8	2.00	11.2		
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	1.91	95.6	2.00	11.4		
Total Xylenes*	<0.150	0.150	08/17/2022	ND	5.95	99.1	6.00	11.1		
Total BTEX	<0.300	0.300	08/17/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	08/17/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2022	ND	197	98.7	200	1.14	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	222	111	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 73.1 % 43-149

Surrogate: 1-Chlorooctadecane 77.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 5 1' REFUSAL (H223730-30)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	800	16.0	08/17/2022	ND	416	104	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 6 1' (H223730-31)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2022	ND	2.03	102	2.00	11.7	
Toluene*	<0.050	0.050	08/17/2022	ND	1.98	98.8	2.00	11.2	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	1.91	95.6	2.00	11.4	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	5.95	99.1	6.00	11.1	
Total BTEX	<0.300	0.300	08/17/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1100	16.0	08/17/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2022	ND	197	98.7	200	1.14	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	222	111	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 84.4 % 43-149

Surrogate: 1-Chlorooctadecane 89.0 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 6 2' (H223730-32)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1390	16.0	08/17/2022	ND	416	104	400	0.00	

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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 7 1' (H223730-33)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2022	ND	1.97	98.7	2.00	5.91	
Toluene*	<0.050	0.050	08/17/2022	ND	1.95	97.4	2.00	5.48	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	1.89	94.7	2.00	5.32	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	5.89	98.2	6.00	4.81	
Total BTEX	<0.300	0.300	08/17/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3080	16.0	08/17/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2022	ND	197	98.7	200	1.14	
DRO >C10-C28*	16.1	10.0	08/16/2022	ND	222	111	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 90.0 % 43-149

Surrogate: 1-Chlorooctadecane 98.4 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 7 2' (H223730-34)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2240	16.0	08/17/2022	ND	416	104	400	0.00		

Sample ID: S - 7 3' (H223730-35)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2680	16.0	08/17/2022	ND	416	104	400	0.00	

Sample ID: S - 7 4' (H223730-36)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	08/17/2022	ND	416	104	400	0.00	

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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 8 1' (H223730-37)

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	08/17/2022	ND	1.97	98.7	2.00	5.91	
Toluene*	<0.050	0.050	08/17/2022	ND	1.95	97.4	2.00	5.48	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	1.89	94.7	2.00	5.32	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	5.89	98.2	6.00	4.81	
Total BTX	<0.300	0.300	08/17/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	08/17/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/17/2022	ND	197	98.7	200	1.14	
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	222	111	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 89.8 % 43-149

Surrogate: 1-Chlorooctadecane 95.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 8 2' (H223730-38)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	08/17/2022	ND	416	104	400	0.00		

Sample ID: S - 8 3' (H223730-39)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	08/17/2022	ND	416	104	400	0.00	

Sample ID: S - 8 4' (H223730-40)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	08/17/2022	ND	416	104	400	0.00	

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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 9 1' (H223730-41)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2022	ND	1.97	98.7	2.00	5.91	
Toluene*	<0.050	0.050	08/17/2022	ND	1.95	97.4	2.00	5.48	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	1.89	94.7	2.00	5.32	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	5.89	98.2	6.00	4.81	
Total BTEX	<0.300	0.300	08/17/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/17/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/17/2022	ND	197	98.7	200	1.14	
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	222	111	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 99.6 % 43-149

Surrogate: 1-Chlorooctadecane 108 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 9 2' (H223730-42)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/17/2022	ND	416	104	400	0.00	

Sample ID: S - 9 3' REFUSAL (H223730-43)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/17/2022	ND	416	104	400	0.00	

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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 10 1' (H223730-44)

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	08/17/2022	ND	1.97	98.7	2.00	5.91		
Toluene*	<0.050	0.050	08/17/2022	ND	1.95	97.4	2.00	5.48		
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	1.89	94.7	2.00	5.32		
Total Xylenes*	<0.150	0.150	08/17/2022	ND	5.89	98.2	6.00	4.81		
Total BTX	<0.300	0.300	08/17/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/17/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/17/2022	ND	212	106	200	5.28	
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	201	101	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 64.4 % 43-149

Surrogate: 1-Chlorooctadecane 73.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 10 2' (H223730-45)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	08/17/2022	ND	416	104	400	0.00	

Sample ID: S - 10 3' (H223730-46)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	08/17/2022	ND	416	104	400	0.00	

Sample ID: S - 10 3.5' REFUSAL (H223730-47)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	08/17/2022	ND	416	104	400	3.77		

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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 11 1' (H223730-48)

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	08/17/2022	ND	1.97	98.7	2.00	5.91		
Toluene*	<0.050	0.050	08/17/2022	ND	1.95	97.4	2.00	5.48		
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	1.89	94.7	2.00	5.32		
Total Xylenes*	<0.150	0.150	08/17/2022	ND	5.89	98.2	6.00	4.81		
Total BTX	<0.300	0.300	08/17/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	08/17/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/17/2022	ND	212	106	200	5.28	
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	201	101	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 84.9 % 43-149

Surrogate: 1-Chlorooctadecane 97.1 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 11 2' (H223730-49)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	08/17/2022	ND	416	104	400	3.77		

Sample ID: S - 11 3' REFUSAL (H223730-50)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/17/2022	ND	416	104	400	3.77	

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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 12 1' (H223730-51)

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	08/17/2022	ND	1.97	98.7	2.00	5.91	
Toluene*	<0.050	0.050	08/17/2022	ND	1.95	97.4	2.00	5.48	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	1.89	94.7	2.00	5.32	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	5.89	98.2	6.00	4.81	
Total BTX	<0.300	0.300	08/17/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/17/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/17/2022	ND	212	106	200	5.28	
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	201	101	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 70.0 % 43-149

Surrogate: 1-Chlorooctadecane 81.3 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 12 2' (H223730-52)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/17/2022	ND	416	104	400	3.77		

Sample ID: S - 12 3' (H223730-53)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/17/2022	ND	416	104	400	3.77		

Sample ID: S - 12 4' (H223730-54)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/17/2022	ND	416	104	400	3.77		

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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 13 1' (H223730-55)

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	08/17/2022	ND	1.97	98.7	2.00	5.91	
Toluene*	<0.050	0.050	08/17/2022	ND	1.95	97.4	2.00	5.48	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	1.89	94.7	2.00	5.32	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	5.89	98.2	6.00	4.81	
Total BTX	<0.300	0.300	08/17/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/17/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/17/2022	ND	212	106	200	5.28	
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	201	101	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 86.9 % 43-149

Surrogate: 1-Chlorooctadecane 99.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 13 2' (H223730-56)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/17/2022	ND	416	104	400	3.77		

Sample ID: S - 13 3' (H223730-57)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/17/2022	ND	416	104	400	3.77		

Sample ID: S - 13 3.5' REFUSAL (H223730-58)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/17/2022	ND	416	104	400	3.77		

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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 14 1' (H223730-59)

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	08/17/2022	ND	1.97	98.7	2.00	5.91	
Toluene*	<0.050	0.050	08/17/2022	ND	1.95	97.4	2.00	5.48	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	1.89	94.7	2.00	5.32	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	5.89	98.2	6.00	4.81	
Total BTX	<0.300	0.300	08/17/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/17/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/17/2022	ND	195	97.7	200	3.65	
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	226	113	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 90.3 % 43-149

Surrogate: 1-Chlorooctadecane 95.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 14 2' (H223730-60)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/17/2022	ND	416	104	400	3.77		

Sample ID: S - 14 3' (H223730-61)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/17/2022	ND	416	104	400	3.77		

Sample ID: S - 14 4' (H223730-62)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/17/2022	ND	416	104	400	3.77	

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Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 15 1' (H223730-63)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2022	ND	1.97	98.7	2.00	5.91		
Toluene*	<0.050	0.050	08/17/2022	ND	1.95	97.4	2.00	5.48		
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	1.89	94.7	2.00	5.32		
Total Xylenes*	<0.150	0.150	08/17/2022	ND	5.89	98.2	6.00	4.81		
Total BTEX	<0.300	0.300	08/17/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/17/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/17/2022	ND	195	97.7	200	3.65	
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	226	113	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 76.9 % 43-149

Surrogate: 1-Chlorooctadecane 80.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/16/2022
Reported: 08/19/2022
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 08/15/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 15 2' (H223730-64)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/17/2022	ND	416	104	400	3.77		

Sample ID: S - 15 3' (H223730-65)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/17/2022	ND	416	104	400	3.77	

Sample ID: S - 15 4' (H223730-66)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/17/2022	ND	416	104	400	3.77	

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental

Project Manager: Chris Jones

Address: 225 Billy Walker Rd

City: Hobbs State: NM Zip: 88240

Phone #: (575)631-6977 Fax #:

Project #:

Project Name: Morris Aveo 26 #12 SWJ

Project Location: 32.656240, -104.452148

Sampler Name:

FOR LAB USE ONLY

BILL TO

P.O. #:

Company: SPUR

Attn: Brock Walker

Address:

City:

State: Zip:

Phone #:

Fax #:

ANALYSIS REQUEST

Lab I.D. Sample I.D.

H223730

SW-1 0-1" 2' Refusal

SW-2 0-10" 1' Refusal

SW-3 0-1" 1' Refusal

SW-4 0-6" 1' Refusal

SW-5 1" 1' Refusal

SW-6 2' 1' Refusal

SW-7 1" 1' Refusal

SW-8 1" 1' Refusal

SW-9 1" 1' Refusal

SW-10 2' 1' Refusal

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

DATE TIME

TPH Ext
BTEX
Chlorides at
TPH
BTEX
Cl all

AP: 8/16/22

PLEASE NOTE: Liability and Damages, Operator's liability and defects extending beyond the control of the client shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of data, or loss of profits incurred by client, its subsidiaries, affiliates or associated parties out of or resulting from the performance of services hereunder by Cardinal. Signature of sampler such as below is based upon any of the above stated actions or omissions.

Relinquished By:

Date: 8/16

Time: 9:15

Order:

Time:

Received By:

Time:

Delivered By: (Circle One) -1.2°C C.O.C. -1.8°C DH13

Sample Condition Cool Intact Yes No

CHECKED BY: (Initials)

REMARKS:

Phone Result: Yes No

Fax Result: Yes No

Add'l Phone #:

Add'l Fax #:

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Page 51 of 56



Paragon Environmental

ANALYSIS REQUEST

[illegible]

Received By:	Date:	Requisitioned By:
Phone Result:		
Fax Result:		

REMARKS:

Time:

Sample Condition	
Cool	Intact
<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
<input type="checkbox"/> No	<input type="checkbox"/> No

10

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental

Project Manager: Chris Jones

Address: 225 Billy Walker Rd

City: Hobbs

Phone #: (575)631-6977

Project #:

Project Name: Morris Aveo 26 #2 SUD

Project Location:

Sampler Name:

FOR LAB USE ONLY

BILL TO

ANALYSIS REQUEST

P.O. #:

Company: SPUE

Attn: Brock Wobley

Address:

City:

State: Zip:

Phone #:

Fax #:

PRESERV

SAMPLING

Lab I.D. Sample I.D.

1423730

31 S-16 11

32 S-16 21

33 S-16 11

34 S-16 21

35 S-16 31

36 S-16 41

37 S-16 11

38 S-16 21

39 S-16 31

40 S-16 41

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

TPH Ext

BTEX

Chlorides all

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Relinquished By:

Date:

Time:

Date:

Time:

Received By:

Date:

Time:

Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Relinquished By:

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Time:

Received By:

Date:

Time:

Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

-1.2°C -1.8°C

Sample Condition

CHECKED BY: (Initials)

Phone Result:

Fax Result:

Yes

No

Yes

No

Yes

No

Yes

No

Yes

No

Yes

No

Yes

No

Yes

No

Yes

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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		ANALYSIS REQUEST											
Project Manager: Chris Jones		Company: SPUR															
Address: 225 Billy Walker Rd		Attn: Brady Walker															
City: Hobbs		Address:															
Phone #: (575)631-6977		City:															
Fax #: (575)631-6977		State:															
Project #: 225		Zip:															
Project Name: Mavis Alca 26 #2 SWD		Phone #:															
Project Location:		Fax #:															
Sample Name:		PRESERV		SAMPLING													
FOR LAB USE ONLY																	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TPH Ext.	BTEX	Chlorides all
411	S-A 1'												8/15				
42	S-A 2'																
43	S-A 3' Below																
44	S-10 1'																
45	S-10 2'																
46	S-10 3'																
47	S-10 3 1/2' Below																
48	S-11 1'																
49	S-11 2'																
50	S-11 3' Below																
<p>PLEASE NOTE: Liability and Damages. Cardinal's liability and damage insurance remedy for any claim arising out of or from this contract shall be limited to the amount paid by the client for this service. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for indirect or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or associated parties out of or from the performance of services provided by Cardinal. Repudiation of another such claim is based upon any of the above stated actions or omissions.</p>																	
Relinquished By:		Date: 8/16		Received By:		Date: 8/16		Sample Condition		Checked By:		Phone Result:		Fax Result:		Add'l Phone #:	
Relinquished By:		Time: 9:10		Received By:		Time: 9:10		Cool <input type="checkbox"/> Intact <input type="checkbox"/>		Checked By:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Delivered By: (Circle One)		Time:		Received By:		Time:		Cool <input type="checkbox"/> Intact <input type="checkbox"/>		Checked By:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Sampler - UPS - Bus - Other:		Time:		Received By:		Time:		Cool <input type="checkbox"/> Intact <input type="checkbox"/>		Checked By:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental		BILL TO		ANALYSIS REQUEST	
Project Manager: Chris Jones		P.O. #:			
Address: 225 Billy Walker Rd		Company: SRIC			
City: Hobbs		Attn: Brock Weller			
State: NM Zip: 88240		Address:			
Phone #: (575)631-6977 Fax #:		City:			
Project #: Project Owner: SRIC		State:			
Project Location: Morris Area 26 #2 SWID		Zip:			
Sample Name:		Phone #:			
FOR LAB USE ONLY		Fax #:			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.		DATE	TIME
		# CONTAINERS			
4223730	S-12 1'	GROUNDWATER		8/5	
		WASTEWATER			
		SOIL			
		OIL			
		SLUDGE			
		OTHER :			
		ACID/BASE:			
		ICE / COOL			
		OTHER :			
		MATRIX			
S-12 2'					
S-12 3'					
S-12 4'					
S-15 1'					
S-15 2'					
S-13 3'					
S-13 5 1/2' 2nd soil					
S-14 1'					
S-14 2'					
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Relinquished By:		Date: 8/16		Received By:	
Time: 9:13		Date: 9/13		Time: 10:06	
Delivered By: (Circle One)		Sample Condition		CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		7/20	
		Yes <input type="checkbox"/> No <input type="checkbox"/>			
		Yes <input type="checkbox"/> No <input type="checkbox"/>			
† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
		REMARKS:			



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

December 21, 2022

CASON SPURLOCK

PARAGON ENVIROMENTAL

5002 CARRAIGE RD

HOBBS, NM 88242

RE: MORRIS ARCO 26

Enclosed are the results of analyses for samples received by the laboratory on 12/16/22 17:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/16/2022
 Reported: 12/21/2022
 Project Name: MORRIS ARCO 26
 Project Number: EDDY COUNTY
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 12/16/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 1 2' (H225984-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1820	16.0	12/21/2022	ND	416	104	400	3.92		

Sample ID: SW - 1 3' (H225984-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1870	16.0	12/21/2022	ND	416	104	400	3.92		

Sample ID: SW - 1 4' (H225984-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1570	16.0	12/21/2022	ND	416	104	400	3.92		

Sample ID: SW - 1 5' (H225984-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1300	16.0	12/21/2022	ND	416	104	400	3.92		

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/16/2022
 Reported: 12/21/2022
 Project Name: MORRIS ARCO 26
 Project Number: EDDY COUNTY
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 12/16/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 2 2' (H225984-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	12/21/2022	ND	416	104	400	3.92		

Sample ID: SW - 2 3' (H225984-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	592	16.0	12/21/2022	ND	416	104	400	3.92		

Sample ID: SW - 4 2' (H225984-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	12/21/2022	ND	416	104	400	3.92	

Sample ID: SW - 4 3' (H225984-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	12/21/2022	ND	416	104	400	3.92		

Sample ID: SW - 4 4' (H225984-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	12/21/2022	ND	416	104	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/16/2022
 Reported: 12/21/2022
 Project Name: MORRIS ARCO 26
 Project Number: EDDY COUNTY
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 12/16/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 4 5' (H225984-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	12/21/2022	ND	416	104	400	3.92	

Sample ID: SW - 6 5' (H225984-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	12/21/2022	ND	416	104	400	3.92	

Sample ID: SW - 6 6' (H225984-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	12/21/2022	ND	416	104	400	3.92	

Sample ID: SW - 8 3' (H225984-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2530	16.0	12/21/2022	ND	416	104	400	3.92	

Sample ID: SW - 8 4' (H225984-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2270	16.0	12/21/2022	ND	416	104	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/16/2022
 Reported: 12/21/2022
 Project Name: MORRIS ARCO 26
 Project Number: EDDY COUNTY
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 12/16/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 1 3' (H225984-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1890	16.0	12/21/2022	ND	416	104	400	3.92		

Sample ID: S - 1 4' (H225984-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1070	16.0	12/21/2022	ND	416	104	400	3.92		

Sample ID: S - 2 2' (H225984-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	12/21/2022	ND	416	104	400	3.92	

Sample ID: S - 2 3' (H225984-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1230	16.0	12/21/2022	ND	416	104	400	3.92	

Sample ID: S - 2 4' (H225984-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	912	16.0	12/21/2022	ND	416	104	400	7.41	QM-07	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/16/2022
 Reported: 12/21/2022
 Project Name: MORRIS ARCO 26
 Project Number: EDDY COUNTY
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 12/16/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 3 3' (H225984-20)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	12/21/2022	ND	416	104	400	7.41	

Sample ID: S - 3 4' (H225984-21)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	12/21/2022	ND	416	104	400	7.41	

Sample ID: S - 3 5' (H225984-22)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2380	16.0	12/21/2022	ND	416	104	400	7.41	

Sample ID: S - 4 3' (H225984-23)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1700	16.0	12/21/2022	ND	416	104	400	7.41	

Sample ID: S - 4 4' (H225984-24)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1740	16.0	12/21/2022	ND	416	104	400	7.41	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/16/2022
 Reported: 12/21/2022
 Project Name: MORRIS ARCO 26
 Project Number: EDDY COUNTY
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 12/16/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 4 5' (H225984-25)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	976	16.0	12/21/2022	ND	416	104	400	7.41		

Sample ID: S - 5 2' (H225984-26)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/21/2022	ND	416	104	400	7.41	

Sample ID: S - 5 3' (H225984-27)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/21/2022	ND	416	104	400	7.41		

Sample ID: S - 6 3' (H225984-28)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	12/21/2022	ND	416	104	400	7.41		

Sample ID: S - 6 4' (H225984-29)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	912	16.0	12/21/2022	ND	416	104	400	7.41		

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/16/2022
 Reported: 12/21/2022
 Project Name: MORRIS ARCO 26
 Project Number: EDDY COUNTY
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 12/16/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 6 5' (H225984-30)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1020	16.0	12/21/2022	ND	416	104	400	7.41		

Sample ID: S - 7 5' (H225984-31)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/21/2022	ND	416	104	400	7.41		

Sample ID: S - 7 6' (H225984-32)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/21/2022	ND	416	104	400	7.41		

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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

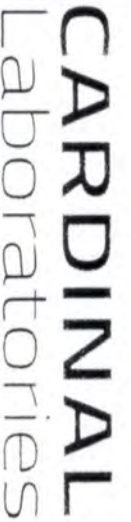
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

Page 11 of 13



101 East Marland, Hobbs, NM 88240
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Page 12 of 13



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Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]



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

January 10, 2023

CASON SPURLOCK

PARAGON ENVIROMENTAL

5002 CARRAIGE RD

HOBBS, NM 88242

RE: MORRIS ARCO

Enclosed are the results of analyses for samples received by the laboratory on 01/05/23 9:25.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/05/2023
 Reported: 01/10/2023
 Project Name: MORRIS ARCO
 Project Number: EDDY COUNTY
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 12/16/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 1 5' (H230051-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	01/05/2023	ND	400	100	400	7.69		

Sample ID: SW - 8 5' (H230051-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	01/05/2023	ND	400	100	400	7.69	

Sample ID: S - 1 5' (H230051-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010	16.0	01/05/2023	ND	400	100	400	7.69	

Sample ID: S - 1 6' (H230051-14)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	01/06/2023	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/05/2023
 Reported: 01/10/2023
 Project Name: MORRIS ARCO
 Project Number: EDDY COUNTY
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 12/16/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 1 7' (H230051-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	01/06/2023	ND	416	104	400	3.77	

Sample ID: S - 1 8' (H230051-16)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	01/06/2023	ND	416	104	400	3.77	

Sample ID: S - 1 9' (H230051-17)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	656	16.0	01/09/2023	ND	432	108	400	3.64		

Sample ID: S - 1 10' (H230051-18)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	01/10/2023	ND	432	108	400	0.00	

Sample ID: S - 2 5' (H230051-19)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	01/05/2023	ND	400	100	400	7.69	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/05/2023
 Reported: 01/10/2023
 Project Name: MORRIS ARCO
 Project Number: EDDY COUNTY
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 12/16/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 2 6' (H230051-20)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/06/2023	ND	432	108	400	0.00		

Sample ID: S - 3 6' (H230051-25)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	01/05/2023	ND	400	100	400	7.69	

Sample ID: S - 3 7' (H230051-26)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	976	16.0	01/06/2023	ND	416	104	400	3.77		

Sample ID: S - 3 8' (H230051-27)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	01/06/2023	ND	416	104	400	3.77	

Sample ID: S - 3 9' (H230051-28)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	01/06/2023	ND	400	100	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/05/2023
 Reported: 01/10/2023
 Project Name: MORRIS ARCO
 Project Number: EDDY COUNTY
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 12/16/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 3 10' (H230051-29)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	01/09/2023	ND	432	108	400	3.64		

Sample ID: S - 4 6' (H230051-30)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1180	16.0	01/05/2023	ND	400	100	400	7.69	

Sample ID: S - 4 7' (H230051-31)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1280	16.0	01/06/2023	ND	416	104	400	3.77		

Sample ID: S - 4 8' (H230051-32)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1360	16.0	01/06/2023	ND	416	104	400	3.77		

Sample ID: S - 4 9' (H230051-33)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/06/2023	ND	400	100	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/05/2023
 Reported: 01/10/2023
 Project Name: MORRIS ARCO
 Project Number: EDDY COUNTY
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 12/16/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 6 6' (H230051-35)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	01/05/2023	ND	400	100	400	7.69	

Sample ID: S - 6 7' (H230051-36)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/06/2023	ND	416	104	400	3.77	

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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 "C. D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: PARAGON ENVIRONMENTAL
Project Manager: Cason Spurlock

Address: 5002 Carriage Rd

City: Hobbs

Phone #: 575-631-6977

Project #:

Project Name: Morris Ave

Project Location: Eddy County

Sample Name: 2nd Ave

State: NM Zip: 88242

Fax #:

Project Owner: SPUR

P.O. #:

Company: SPUR

Attn: Brady Wolder

Address:

City:

State:

Phone #:

Fax #:

PRESERV

SAMPLING

Lab I.D.

Sample I.D.

(G)RAB OR (C)OMP

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER

ACID/BASE

ICE / COOL

OTHER

DATE

TIME

Chlorides

Hold

1	SW-1	5	12/14	✓
2	SW-1	6		✓
3	SW-1	7		✓
4	SW-1	8		✓
5	SW-1	9		✓
6	SW-1	10		✓
7	SW-8	11		✓
8	SW-8	12		✓
9	SW-8	13		✓
10	SW-8	14		✓

1-5-23

12/15/2025

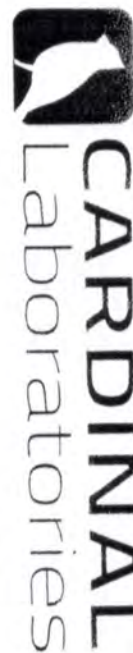
Email results to Chris Jones.

* 600ppm

1/5/23

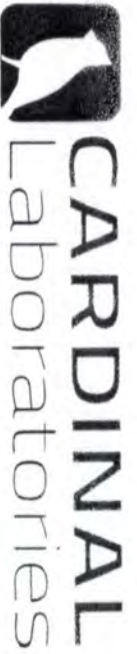
3.3c/-3.9c

Once you get a clean sample, stop testing for that sample for



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental Project Manager: Cason Spurlock Address: 5002 Carriage Rd City: Hobbs Phone #: 575-631-6977 State: NM zip: 88242 Project #: Project Name: Morris Area Project Location: Eddy County Sample Name: Jetway				P.O. #: Company: Spur Attn: Brady Welter Address: City: State: Zip: Phone #: Fax #:			
Lab I.D. H330051 31 32 33 34 35 36 37 38 39		Sample I.D. 31 32 33 34 35 36 37 38 39 10		FOR LAB USE ONLY (G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER ACID/BASE ICE / COOL OTHER DATE 1/21/0 TIME		BILL TO ANALYSIS REQUEST	
Relinquished By: [Signature] Delivered By: (Circle One) Sample - 1075 - Box		Received By: [Signature] Date: 1-5-23 Time: 12:10 0925 #113		Chlorides Hold Cl added 1/5/22 Cl added 1/6/22 Cl added 1/6/22		Once you get a clean sample stop testing that sample point. \$600 ppm 1/5/23	

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



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

November 01, 2024

CHRIS JONES

PARAGON ENVIROMENTAL

1601 N TURNER ST., STE 500

HOBBS, NM 88240

RE: MORRIS ARCO 26 #2 SWD

Enclosed are the results of analyses for samples received by the laboratory on 10/28/24 16:14.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 1 5' (H246552-01)

BTEx 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.07	103	2.00	4.78	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	3.21	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.14	107	2.00	2.54	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.38	106	6.00	2.87	
Total BTEX	<0.300	0.300	10/29/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/30/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	210	105	200	2.52	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	211	106	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 95.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 2 5' (H246552-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/29/2024	ND	2.07	103	2.00	4.78		
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	3.21		
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.14	107	2.00	2.54		
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.38	106	6.00	2.87		
Total BTEx	<0.300	0.300	10/29/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	10/30/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	210	105	200	2.52	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	211	106	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 3 5' (H246552-03)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.07	103	2.00	4.78	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	3.21	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.14	107	2.00	2.54	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.38	106	6.00	2.87	
Total BTX	<0.300	0.300	10/29/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/30/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	210	105	200	2.52	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	211	106	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 4 5' (H246552-04)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.07	103	2.00	4.78	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	3.21	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.14	107	2.00	2.54	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.38	106	6.00	2.87	
Total BTX	<0.300	0.300	10/29/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/30/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	210	105	200	2.52	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	211	106	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 5 5' (H246552-05)

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	10/29/2024	ND	2.07	103	2.00	4.78	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	3.21	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.14	107	2.00	2.54	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.38	106	6.00	2.87	
Total BTEX	<0.300	0.300	10/29/2024	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	80.0	16.0	10/30/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	210	105	200	2.52	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	211	106	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 6 5' (H246552-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/29/2024	ND	2.07	103	2.00	4.78		
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	3.21		
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.14	107	2.00	2.54		
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.38	106	6.00	2.87		
Total BTEx	<0.300	0.300	10/29/2024	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	320	16.0	10/30/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	210	105	200	2.52	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	211	106	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 7 5' (H246552-07)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.07	103	2.00	4.78	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	3.21	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.14	107	2.00	2.54	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.38	106	6.00	2.87	
Total BTX	<0.300	0.300	10/29/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/30/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	210	105	200	2.52	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	211	106	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 8 5' (H246552-08)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.07	103	2.00	4.78	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	3.21	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.14	107	2.00	2.54	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.38	106	6.00	2.87	
Total BTX	<0.300	0.300	10/29/2024	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	48.0	16.0	10/30/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	210	105	200	2.52	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	211	106	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 9 5' (H246552-09)

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	10/29/2024	ND	2.07	103	2.00	4.78	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	3.21	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.14	107	2.00	2.54	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.38	106	6.00	2.87	
Total BTEX	<0.300	0.300	10/29/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/30/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	210	105	200	2.52	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	211	106	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 90.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 10 5' (H246552-10)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.07	103	2.00	4.78	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	3.21	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.14	107	2.00	2.54	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.38	106	6.00	2.87	
Total BTEX	<0.300	0.300	10/29/2024	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	352	16.0	10/30/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	210	105	200	2.52	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	211	106	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 11 2' (H246552-11)

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	10/29/2024	ND	2.24	112	2.00	1.83	
Toluene*	<0.050	0.050	10/29/2024	ND	2.29	115	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.56	128	2.00	20.6	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	7.82	130	6.00	23.1	
Total BTEX	<0.300	0.300	10/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	64.0	16.0	10/30/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	210	105	200	2.52	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	211	106	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 12 2' (H246552-12)

BTEx 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.24	112	2.00	1.83	
Toluene*	<0.050	0.050	10/29/2024	ND	2.29	115	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.56	128	2.00	20.6	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	7.82	130	6.00	23.1	
Total BTEX	<0.300	0.300	10/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	10/30/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	210	105	200	2.52	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	211	106	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 13 2' (H246552-13)

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.24	112	2.00	1.83	
Toluene*	<0.050	0.050	10/29/2024	ND	2.29	115	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.56	128	2.00	20.6	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	7.82	130	6.00	23.1	
Total BTX	<0.300	0.300	10/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	64.0	16.0	10/30/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	210	105	200	2.52	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	211	106	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 14 2' (H246552-14)

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	10/29/2024	ND	2.24	112	2.00	1.83	
Toluene*	<0.050	0.050	10/29/2024	ND	2.29	115	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.56	128	2.00	20.6	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	7.82	130	6.00	23.1	
Total BTEX	<0.300	0.300	10/29/2024	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	176	16.0	10/30/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	210	105	200	2.52	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	211	106	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 15 2' (H246552-15)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.24	112	2.00	1.83	
Toluene*	<0.050	0.050	10/29/2024	ND	2.29	115	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.56	128	2.00	20.6	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	7.82	130	6.00	23.1	
Total BTX	<0.300	0.300	10/29/2024	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	64.0	16.0	10/30/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	210	105	200	2.52	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	211	106	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 16 10' (H246552-16)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.24	112	2.00	1.83	
Toluene*	<0.050	0.050	10/29/2024	ND	2.29	115	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.56	128	2.00	20.6	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	7.82	130	6.00	23.1	
Total BTEX	<0.300	0.300	10/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	64.0	16.0	10/30/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	210	105	200	2.52	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	211	106	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 17 10' (H246552-17)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.24	112	2.00	1.83	
Toluene*	<0.050	0.050	10/29/2024	ND	2.29	115	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.56	128	2.00	20.6	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	7.82	130	6.00	23.1	
Total BTEx	<0.300	0.300	10/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/30/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	210	105	200	2.52	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	211	106	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 18 10' (H246552-18)

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.24	112	2.00	1.83	
Toluene*	<0.050	0.050	10/29/2024	ND	2.29	115	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.56	128	2.00	20.6	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	7.82	130	6.00	23.1	
Total BTX	<0.300	0.300	10/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	10/29/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	233	116	200	0.470	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	214	107	200	0.0965	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 19 10' (H246552-19)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.24	112	2.00	1.83	
Toluene*	<0.050	0.050	10/29/2024	ND	2.29	115	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.56	128	2.00	20.6	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	7.82	130	6.00	23.1	
Total BTX	<0.300	0.300	10/29/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/29/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	233	116	200	0.470	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	214	107	200	0.0965	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 20 10' (H246552-20)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.24	112	2.00	1.83	
Toluene*	<0.050	0.050	10/29/2024	ND	2.29	115	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.56	128	2.00	20.6	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	7.82	130	6.00	23.1	
Total BTX	<0.300	0.300	10/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/29/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	233	116	200	0.470	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	214	107	200	0.0965	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 21 10' (H246552-21)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.24	112	2.00	1.83	
Toluene*	<0.050	0.050	10/29/2024	ND	2.29	115	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.56	128	2.00	20.6	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	7.82	130	6.00	23.1	
Total BTX	<0.300	0.300	10/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/29/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	233	116	200	0.470	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	214	107	200	0.0965	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 22 10' (H246552-22)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.24	112	2.00	1.83	
Toluene*	<0.050	0.050	10/29/2024	ND	2.29	115	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.56	128	2.00	20.6	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	7.82	130	6.00	23.1	
Total BTX	<0.300	0.300	10/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	10/29/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	233	116	200	0.470	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	214	107	200	0.0965	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 23 10' (H246552-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/29/2024	ND	2.24	112	2.00	1.83		
Toluene*	<0.050	0.050	10/29/2024	ND	2.29	115	2.00	11.8		
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.56	128	2.00	20.6		
Total Xylenes*	<0.150	0.150	10/29/2024	ND	7.82	130	6.00	23.1		
Total BTEx	<0.300	0.300	10/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	10/29/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	233	116	200	0.470	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	214	107	200	0.0965	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 24 10' (H246552-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/29/2024	ND	2.24	112	2.00	1.83		
Toluene*	<0.050	0.050	10/29/2024	ND	2.29	115	2.00	11.8		
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.56	128	2.00	20.6		
Total Xylenes*	<0.150	0.150	10/29/2024	ND	7.82	130	6.00	23.1		
Total BTEx	<0.300	0.300	10/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/29/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	233	116	200	0.470	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	214	107	200	0.0965	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 25 10' (H246552-25)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.24	112	2.00	1.83	
Toluene*	<0.050	0.050	10/29/2024	ND	2.29	115	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.56	128	2.00	20.6	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	7.82	130	6.00	23.1	
Total BTEX	<0.300	0.300	10/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	10/29/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	233	116	200	0.470	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	214	107	200	0.0965	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 26 10' (H246552-26)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.24	112	2.00	1.83	
Toluene*	<0.050	0.050	10/30/2024	ND	2.29	115	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.56	128	2.00	20.6	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.82	130	6.00	23.1	
Total BTEx	<0.300	0.300	10/30/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/29/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	233	116	200	0.470	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	214	107	200	0.0965	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 27 10' (H246552-27)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.24	112	2.00	1.83	
Toluene*	<0.050	0.050	10/30/2024	ND	2.29	115	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.56	128	2.00	20.6	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.82	130	6.00	23.1	
Total BTEx	<0.300	0.300	10/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	10/29/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	233	116	200	0.470	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	214	107	200	0.0965	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 28 10' (H246552-28)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.24	112	2.00	1.83	
Toluene*	<0.050	0.050	10/30/2024	ND	2.29	115	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.56	128	2.00	20.6	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.82	130	6.00	23.1	
Total BTX	<0.300	0.300	10/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/29/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	233	116	200	0.470	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	214	107	200	0.0965	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 29 10' (H246552-29)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.24	112	2.00	1.83	
Toluene*	<0.050	0.050	10/30/2024	ND	2.29	115	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.56	128	2.00	20.6	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.82	130	6.00	23.1	
Total BTX	<0.300	0.300	10/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/29/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	233	116	200	0.470	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	214	107	200	0.0965	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 30 10' (H246552-30)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.24	112	2.00	1.83	
Toluene*	<0.050	0.050	10/30/2024	ND	2.29	115	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.56	128	2.00	20.6	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.82	130	6.00	23.1	
Total BTEX	<0.300	0.300	10/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/29/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	233	116	200	0.470	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	214	107	200	0.0965	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 31 6' (H246552-31)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.15	107	2.00	2.37	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	0.475	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.19	110	2.00	0.294	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.49	108	6.00	0.534	
Total BTEx	<0.300	0.300	10/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/29/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	233	116	200	0.470	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	214	107	200	0.0965	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 32 6' (H246552-32)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.15	107	2.00	2.37	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	0.475	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.19	110	2.00	0.294	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.49	108	6.00	0.534	
Total BTX	<0.300	0.300	10/29/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/29/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	233	116	200	0.470	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	214	107	200	0.0965	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 33 6' (H246552-33)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/29/2024	ND	2.15	107	2.00	2.37		
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	0.475		
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.19	110	2.00	0.294		
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.49	108	6.00	0.534		
Total BTEx	<0.300	0.300	10/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	10/29/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	233	116	200	0.470	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	214	107	200	0.0965	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 34 6' (H246552-34)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/29/2024	ND	2.15	107	2.00	2.37		
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	0.475		
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.19	110	2.00	0.294		
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.49	108	6.00	0.534		
Total BTEX	<0.300	0.300	10/29/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	10/29/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	233	116	200	0.470	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	214	107	200	0.0965	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 35 6' (H246552-35)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/29/2024	ND	2.15	107	2.00	2.37		
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	0.475		
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.19	110	2.00	0.294		
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.49	108	6.00	0.534		
Total BTEx	<0.300	0.300	10/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/29/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	233	116	200	0.470	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	214	107	200	0.0965	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 110 % 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:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 36 6' (H246552-36)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.15	107	2.00	2.37	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	0.475	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.19	110	2.00	0.294	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.49	108	6.00	0.534	
Total BTX	<0.300	0.300	10/29/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/29/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	233	116	200	0.470	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	214	107	200	0.0965	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 37 6' (H246552-37)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/29/2024	ND	2.15	107	2.00	2.37		
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	0.475		
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.19	110	2.00	0.294		
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.49	108	6.00	0.534		
Total BTEx	<0.300	0.300	10/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/29/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	233	116	200	0.470	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	214	107	200	0.0965	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 38 6' (H246552-38)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/29/2024	ND	2.15	107	2.00	2.37		
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	0.475		
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.19	110	2.00	0.294		
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.49	108	6.00	0.534		
Total BTEx	<0.300	0.300	10/29/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	10/30/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	237	118	200	1.22	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	243	121	200	0.657	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 39 6' (H246552-39)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.15	107	2.00	2.37	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	0.475	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.19	110	2.00	0.294	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.49	108	6.00	0.534	
Total BTX	<0.300	0.300	10/29/2024	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	48.0	16.0	10/30/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	237	118	200	1.22	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	243	121	200	0.657	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 40 6' (H246552-40)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/29/2024	ND	2.15	107	2.00	2.37		
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	0.475		
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.19	110	2.00	0.294		
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.49	108	6.00	0.534		
Total BTEX	<0.300	0.300	10/29/2024	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	32.0	16.0	10/30/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	237	118	200	1.22	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	243	121	200	0.657	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 102 % 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:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 41 6' (H246552-41)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.15	107	2.00	2.37	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	0.475	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.19	110	2.00	0.294	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.49	108	6.00	0.534	
Total BTX	<0.300	0.300	10/29/2024	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	224	16.0	10/30/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	237	118	200	1.22	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	243	121	200	0.657	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 42 6' (H246552-42)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/29/2024	ND	2.15	107	2.00	2.37		
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	0.475		
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.19	110	2.00	0.294		
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.49	108	6.00	0.534		
Total BTEx	<0.300	0.300	10/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	10/30/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	237	118	200	1.22	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	243	121	200	0.657	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 43 6' (H246552-43)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.15	107	2.00	2.37	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	0.475	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.19	110	2.00	0.294	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.49	108	6.00	0.534	
Total BTX	<0.300	0.300	10/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	10/30/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	237	118	200	1.22	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	243	121	200	0.657	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 112 % 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:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 44 6' (H246552-44)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.15	107	2.00	2.37	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	0.475	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.19	110	2.00	0.294	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.49	108	6.00	0.534	
Total BTX	<0.300	0.300	10/29/2024	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	16.0	16.0	10/30/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	237	118	200	1.22	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	243	121	200	0.657	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 45 6' (H246552-45)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.15	107	2.00	2.37	
Toluene*	<0.050	0.050	10/30/2024	ND	2.13	106	2.00	0.475	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.19	110	2.00	0.294	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	6.49	108	6.00	0.534	
Total BTEX	<0.300	0.300	10/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	320	16.0	10/30/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	237	118	200	1.22	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	243	121	200	0.657	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 69.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 46 6' (H246552-46)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.15	107	2.00	2.37	
Toluene*	<0.050	0.050	10/30/2024	ND	2.13	106	2.00	0.475	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.19	110	2.00	0.294	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	6.49	108	6.00	0.534	
Total BTEx	<0.300	0.300	10/30/2024	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	368	16.0	10/30/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	237	118	200	1.22	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	243	121	200	0.657	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 68.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 47 6' (H246552-47)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.15	107	2.00	2.37	
Toluene*	<0.050	0.050	10/30/2024	ND	2.13	106	2.00	0.475	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.19	110	2.00	0.294	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	6.49	108	6.00	0.534	
Total BTEx	<0.300	0.300	10/30/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/30/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	237	118	200	1.22	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	243	121	200	0.657	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 48 6' (H246552-48)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.15	107	2.00	2.37	
Toluene*	<0.050	0.050	10/30/2024	ND	2.13	106	2.00	0.475	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.19	110	2.00	0.294	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	6.49	108	6.00	0.534	
Total BTX	<0.300	0.300	10/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/30/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	237	118	200	1.22	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	243	121	200	0.657	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 49 6' (H246552-49)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.15	107	2.00	2.37	
Toluene*	<0.050	0.050	10/30/2024	ND	2.13	106	2.00	0.475	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.19	110	2.00	0.294	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	6.49	108	6.00	0.534	
Total BTX	<0.300	0.300	10/30/2024	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	224	16.0	10/30/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	237	118	200	1.22	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	243	121	200	0.657	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 50 6' (H246552-50)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.15	107	2.00	2.37	
Toluene*	<0.050	0.050	10/30/2024	ND	2.13	106	2.00	0.475	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.19	110	2.00	0.294	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	6.49	108	6.00	0.534	
Total BTX	<0.300	0.300	10/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	10/30/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	237	118	200	1.22	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	243	121	200	0.657	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 84.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 51 6' (H246552-51)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.32	116	2.00	11.4	
Toluene*	<0.050	0.050	10/30/2024	ND	2.40	120	2.00	12.0	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.34	117	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.30	122	6.00	11.1	
Total BTEX	<0.300	0.300	10/30/2024	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	304	16.0	10/30/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	237	118	200	1.22	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	243	121	200	0.657	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 52 6' (H246552-52)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.32	116	2.00	11.4	
Toluene*	<0.050	0.050	10/30/2024	ND	2.40	120	2.00	12.0	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.34	117	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.30	122	6.00	11.1	
Total BTEx	<0.300	0.300	10/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	10/30/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	237	118	200	1.22	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	243	121	200	0.657	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 53 6' (H246552-53)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.32	116	2.00	11.4	
Toluene*	<0.050	0.050	10/30/2024	ND	2.40	120	2.00	12.0	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.34	117	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.30	122	6.00	11.1	
Total BTEX	<0.300	0.300	10/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/30/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	237	118	200	1.22	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	243	121	200	0.657	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 54 6' (H246552-54)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.32	116	2.00	11.4	
Toluene*	<0.050	0.050	10/30/2024	ND	2.40	120	2.00	12.0	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.34	117	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.30	122	6.00	11.1	
Total BTX	<0.300	0.300	10/30/2024	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	64.0	16.0	10/30/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	237	118	200	1.22	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	243	121	200	0.657	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 62.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 59.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 55 6' (H246552-55)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.32	116	2.00	11.4	
Toluene*	<0.050	0.050	10/30/2024	ND	2.40	120	2.00	12.0	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.34	117	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.30	122	6.00	11.1	
Total BTEX	<0.300	0.300	10/30/2024	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	272	16.0	10/30/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	237	118	200	1.22	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	243	121	200	0.657	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 56 6' (H246552-56)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2024	ND	2.32	116	2.00	11.4		
Toluene*	<0.050	0.050	10/30/2024	ND	2.40	120	2.00	12.0		
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.34	117	2.00	12.6		
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.30	122	6.00	11.1		
Total BTEX	<0.300	0.300	10/30/2024	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	368	16.0	10/30/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	237	118	200	1.22	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	243	121	200	0.657	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 57 10' (H246552-57)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.32	116	2.00	11.4	
Toluene*	<0.050	0.050	10/30/2024	ND	2.40	120	2.00	12.0	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.34	117	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.30	122	6.00	11.1	
Total BTEX	<0.300	0.300	10/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/30/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	237	118	200	1.22	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	243	121	200	0.657	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 58 10' (H246552-58)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.32	116	2.00	11.4	
Toluene*	<0.050	0.050	10/30/2024	ND	2.40	120	2.00	12.0	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.34	117	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.30	122	6.00	11.1	
Total BTEX	<0.300	0.300	10/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/30/2024	ND	432	108	400	3.64	QR-03

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	215	107	200	2.25	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	195	97.5	200	0.987	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 75.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 59 10' (H246552-59)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2024	ND	2.32	116	2.00	11.4		
Toluene*	<0.050	0.050	10/30/2024	ND	2.40	120	2.00	12.0		
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.34	117	2.00	12.6		
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.30	122	6.00	11.1		
Total BTEx	<0.300	0.300	10/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	10/30/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	215	107	200	2.25	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	195	97.5	200	0.987	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 72.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 60 10' (H246552-60)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.32	116	2.00	11.4	
Toluene*	<0.050	0.050	10/30/2024	ND	2.40	120	2.00	12.0	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.34	117	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.30	122	6.00	11.1	
Total BTEX	<0.300	0.300	10/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	10/30/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	215	107	200	2.25	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	195	97.5	200	0.987	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-04	The RPD for the BS/BSD was outside of historical limits.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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 Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: Paragon Environmental

Project Manager: Chris Jones

Address: 1601 N. Turner St., Ste 500

City: Hobbs State: NM Zip: 88240

Phone #: 575-964-7814

Project #: Project Owner:

Project Name: *Morrisville Ab #2*

Project Location: *Royaladdy*

Sample Name: *Paul & Pecos*

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

11240552

B-1 5'
B-2 5'
B-3 5'
B-4 5'
B-5 5'
B-6 5'
B-7 5'
B-8 5'
B-9 5'
B-10 5'

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

DATE

TIME

Chlorides
BTEX
TPH

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Relinquished By:

Date: *10/18/14*

Received By:

Phone Result:

☐ Yes ☐ No

Add'l Phone #:

Fax Result:

☐ Yes ☐ No Add'l Fax #:

Relinquished By:

Date:

Received By:

Sample Condition

Cool ☒ Intact ☒

CHECKED BY: (Initials)

Delivered By: (Circle One)

Sampler - UPS - Bus - Other: *5:20 #140*



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental		BILL TO		ANALYSIS REQUEST															
Project Manager: Chris Jones		P.O. #:																	
Address: 1601 N. Turner St., Ste 500		Company:																	
City: Hobbs		Attn:																	
Phone #: 575-964-7814		Address:																	
Fax #: 575-964-7814		City:																	
Project #:		State:																	
Project Name:		Zip:																	
Project Location:		Phone #:																	
Fax #:																			
Sampler Name:		Fax #:																	
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX		PRESERV	SAMPLING	DATE	TIME	Chlorides TPH BTEX									
		GROUNDWATER		SOIL															
		WASTEWATER		OIL															
		SLUDGE		OTHER :															
		ACID/BASE:		ICE / COOL															
		OTHER :																	
11	13-11	2'	4					10/18											
13	13-12	2'																	
13	13-13	2'																	
14	13-14	2'																	
15	13-15	2'																	
16	13-16	10'																	
17	13-17	10'																	
18	13-18	10'																	
19	13-19	10'																	
20	13-20	10'																	
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Relinquished By:		Date: 10-24		Received By:		Time: 10:14		REMARKS:											
Delivered By: (Circle One) 584000		Sample Condition		CHECKED BY: (Initials)															
Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>																	
Sampler - UPS - Bus - Other: 502/110		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:															
		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:															

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO						ANALYSIS REQUEST																
Company Name: Paragon Environmental																						
Project Manager: Chris Jones																						
Address: 1601 N. Turner St., Ste 500																						
City: Hobbs State: NM zip: 88240																						
Phone #: 575-964-7814						Fax #:																
Project #:						Project Owner:																
Project Name:						City:																
Project Location:						State: Zip:																
Sample Name:						Phone #:																
FOR LAB USE ONLY						Fax #:																
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						
Hobbs		B-21		10'	9										10/18		Chlorides					
21		B-22		10'													TPH					
22		B-23		10'													BTX					
23		B-24		10'																		
24		B-25		10'																		
25		B-26		10'																		
26		B-27		10'																		
27		B-28		10'																		
28		B-29		10'																		
29		B-30		10'																		
30																						

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Relinquished By: _____ <i>[Signature]</i>		Date: 12-28-24	Received By: _____ <i>[Signature]</i>	
Time: 10:14		Date: 12/14		
Reinquired By: _____		Time: _____		

Delivered By: (Circle One) Sampler - UPS - Bus - Other: S&S/COC	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) DP
REMARKS:		



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental Project Manager: Chris Jones Address: 1601 N. Turner St., Ste 500 City: Hobbs Phone #: 575-964-7814 Fax #: Project #: Project Name: Project Location: Sampler Name:				P.O. #: Company: Attn: Address: City: State: Phone #: Fax #:				BILL TO				ANALYSIS REQUEST			
State: NM Zip: 88240				State: Zip:											
FOR LAB USE ONLY				Lab I.D. Sample I.D.				Matrix				Preserv. Sampling			
				(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :				DATE TIME							
Relinquished By: <i>[Signature]</i> Date: 10/25/04 Time: 10:14 Relinquished At:				Received By: <i>[Signature]</i> Date: 10/18/04 Time:				Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Pres <input checked="" type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/>				CHECKED BY: <i>[Signature]</i> (Initials)			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:				S.S. / C.O. / V.I. S.S. / C.O. / V.I.											
REMARKS:				BTEX Chlorides TPH											



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]



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

November 01, 2024

CHRIS JONES

PARAGON ENVIROMENTAL

1601 N TURNER ST., STE 500

HOBBS, NM 88240

RE: MORRIS ARCO 26 #2 SWD

Enclosed are the results of analyses for samples received by the laboratory on 10/28/24 16:14.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 61 10' (H246553-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.28	114	2.00	7.60	
Toluene*	<0.050	0.050	10/30/2024	ND	2.37	118	2.00	6.66	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.31	116	2.00	6.00	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.21	120	6.00	4.48	
Total BTX	<0.300	0.300	10/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	10/30/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	215	108	200	1.74	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	198	98.9	200	0.467	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 62 10' (H246553-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2024	ND	2.28	114	2.00	7.60		
Toluene*	<0.050	0.050	10/30/2024	ND	2.37	118	2.00	6.66		
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.31	116	2.00	6.00		
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.21	120	6.00	4.48		
Total BTEx	<0.300	0.300	10/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/30/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	215	108	200	1.74	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	198	98.9	200	0.467	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 63 2' (H246553-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2024	ND	2.28	114	2.00	7.60		
Toluene*	<0.050	0.050	10/30/2024	ND	2.37	118	2.00	6.66		
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.31	116	2.00	6.00		
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.21	120	6.00	4.48		
Total BTEX	<0.300	0.300	10/30/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	10/30/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	215	108	200	1.74	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	198	98.9	200	0.467	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 98.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.4 % 49.1-148

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
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 64 2' (H246553-04)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.28	114	2.00	7.60	
Toluene*	<0.050	0.050	10/30/2024	ND	2.37	118	2.00	6.66	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.31	116	2.00	6.00	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.21	120	6.00	4.48	
Total BTX	<0.300	0.300	10/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	10/30/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	215	108	200	1.74	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	198	98.9	200	0.467	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 90.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 65 7' (H246553-05)

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	10/30/2024	ND	2.28	114	2.00	7.60		
Toluene*	<0.050	0.050	10/30/2024	ND	2.37	118	2.00	6.66		
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.31	116	2.00	6.00		
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.21	120	6.00	4.48		
Total BTEx	<0.300	0.300	10/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	10/30/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	215	108	200	1.74	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	198	98.9	200	0.467	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 66 7' (H246553-06)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.28	114	2.00	7.60	
Toluene*	<0.050	0.050	10/30/2024	ND	2.37	118	2.00	6.66	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.31	116	2.00	6.00	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.21	120	6.00	4.48	
Total BTEX	<0.300	0.300	10/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/30/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	215	108	200	1.74	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	198	98.9	200	0.467	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 99.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 67 7' (H246553-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2024	ND	2.28	114	2.00	7.60		
Toluene*	<0.050	0.050	10/30/2024	ND	2.37	118	2.00	6.66		
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.31	116	2.00	6.00		
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.21	120	6.00	4.48		
Total BTEx	<0.300	0.300	10/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	10/30/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	215	108	200	1.74	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	198	98.9	200	0.467	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 68 7' (H246553-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2024	ND	2.28	114	2.00	7.60		
Toluene*	<0.050	0.050	10/30/2024	ND	2.37	118	2.00	6.66		
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.31	116	2.00	6.00		
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.21	120	6.00	4.48		
Total BTEx	<0.300	0.300	10/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	10/30/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	215	108	200	1.74	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	198	98.9	200	0.467	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 69 7' (H246553-09)

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	10/30/2024	ND	2.28	114	2.00	7.60		
Toluene*	<0.050	0.050	10/30/2024	ND	2.37	118	2.00	6.66		
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.31	116	2.00	6.00		
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.21	120	6.00	4.48		
Total BTEX	<0.300	0.300	10/30/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	10/30/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	215	108	200	1.74	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	198	98.9	200	0.467	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 70 7' (H246553-10)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.28	114	2.00	7.60	
Toluene*	<0.050	0.050	10/30/2024	ND	2.37	118	2.00	6.66	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.31	116	2.00	6.00	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.21	120	6.00	4.48	
Total BTEX	<0.300	0.300	10/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/30/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	215	108	200	1.74	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	198	98.9	200	0.467	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 71 7' (H246553-11)

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	10/30/2024	ND	2.28	114	2.00	7.60	
Toluene*	<0.050	0.050	10/30/2024	ND	2.37	118	2.00	6.66	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.31	116	2.00	6.00	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.21	120	6.00	4.48	
Total BTEX	<0.300	0.300	10/30/2024	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	240	16.0	10/30/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	215	108	200	1.74	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	198	98.9	200	0.467	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 72 7' (H246553-12)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.28	114	2.00	7.60	
Toluene*	<0.050	0.050	10/30/2024	ND	2.37	118	2.00	6.66	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.31	116	2.00	6.00	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.21	120	6.00	4.48	
Total BTEX	<0.300	0.300	10/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	10/30/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	215	108	200	1.74	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	198	98.9	200	0.467	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 73 9' (H246553-13)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.28	114	2.00	7.60	
Toluene*	<0.050	0.050	10/30/2024	ND	2.37	118	2.00	6.66	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.31	116	2.00	6.00	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.21	120	6.00	4.48	
Total BTEX	<0.300	0.300	10/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/30/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	215	108	200	1.74	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	198	98.9	200	0.467	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 74 9' (H246553-14)

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	10/30/2024	ND	2.28	114	2.00	7.60	
Toluene*	<0.050	0.050	10/30/2024	ND	2.37	118	2.00	6.66	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.31	116	2.00	6.00	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.21	120	6.00	4.48	
Total BTEX	<0.300	0.300	10/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/30/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	215	108	200	1.74	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	198	98.9	200	0.467	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 97.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 75 9' (H246553-15)

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	10/30/2024	ND	2.28	114	2.00	7.60		
Toluene*	<0.050	0.050	10/30/2024	ND	2.37	118	2.00	6.66		
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.31	116	2.00	6.00		
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.21	120	6.00	4.48		
Total BTEX	<0.300	0.300	10/30/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/30/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	215	108	200	1.74	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	198	98.9	200	0.467	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 76 9' (H246553-16)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.28	114	2.00	7.60	
Toluene*	<0.050	0.050	10/30/2024	ND	2.37	118	2.00	6.66	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.31	116	2.00	6.00	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.21	120	6.00	4.48	
Total BTX	<0.300	0.300	10/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/30/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	215	108	200	1.74	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	198	98.9	200	0.467	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 77 9' (H246553-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2024	ND	2.28	114	2.00	7.60		
Toluene*	<0.050	0.050	10/30/2024	ND	2.37	118	2.00	6.66		
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.31	116	2.00	6.00		
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.21	120	6.00	4.48		
Total BTEx	<0.300	0.300	10/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/30/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	215	108	200	1.74	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	198	98.9	200	0.467	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 78 9' (H246553-18)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.28	114	2.00	7.60	
Toluene*	<0.050	0.050	10/30/2024	ND	2.37	118	2.00	6.66	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.31	116	2.00	6.00	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.21	120	6.00	4.48	
Total BTEX	<0.300	0.300	10/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/30/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	215	108	200	1.74	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	198	98.9	200	0.467	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 79 9' (H246553-19)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.28	114	2.00	7.60	
Toluene*	<0.050	0.050	10/30/2024	ND	2.37	118	2.00	6.66	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.31	116	2.00	6.00	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.21	120	6.00	4.48	
Total BTEX	<0.300	0.300	10/30/2024	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	32.0	16.0	10/30/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	215	108	200	1.74	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	198	98.9	200	0.467	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 80 9' (H246553-20)

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	10/30/2024	ND	2.28	114	2.00	7.60		
Toluene*	<0.050	0.050	10/30/2024	ND	2.37	118	2.00	6.66		
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.31	116	2.00	6.00		
Total Xylenes*	<0.150	0.150	10/30/2024	ND	7.21	120	6.00	4.48		
Total BTEx	<0.300	0.300	10/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/30/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	215	108	200	1.74	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	198	98.9	200	0.467	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 81 2' (H246553-21)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2024	ND	2.01	100	2.00	9.00		
Toluene*	<0.050	0.050	10/30/2024	ND	2.09	105	2.00	8.65		
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.10	105	2.00	8.13		
Total Xylenes*	<0.150	0.150	10/30/2024	ND	6.26	104	6.00	8.27		
Total BTEX	<0.300	0.300	10/30/2024	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	<16.0	16.0	10/30/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	211	105	200	4.27	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	202	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 82 2' (H246553-22)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.01	100	2.00	9.00	
Toluene*	<0.050	0.050	10/30/2024	ND	2.09	105	2.00	8.65	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.10	105	2.00	8.13	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	6.26	104	6.00	8.27	
Total BTEX	<0.300	0.300	10/30/2024	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	32.0	16.0	10/30/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	211	105	200	4.27	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	202	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 83 2' (H246553-23)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2024	ND	2.01	100	2.00	9.00		
Toluene*	<0.050	0.050	10/30/2024	ND	2.09	105	2.00	8.65		
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.10	105	2.00	8.13		
Total Xylenes*	<0.150	0.150	10/30/2024	ND	6.26	104	6.00	8.27		
Total BTEX	<0.300	0.300	10/30/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/30/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	211	105	200	4.27	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	202	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 84 2' (H246553-24)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.01	100	2.00	9.00	
Toluene*	<0.050	0.050	10/30/2024	ND	2.09	105	2.00	8.65	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.10	105	2.00	8.13	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	6.26	104	6.00	8.27	
Total BTX	<0.300	0.300	10/30/2024	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	16.0	16.0	10/30/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	211	105	200	4.27	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	202	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 131 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 85 5' (H246553-25)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.01	100	2.00	9.00	
Toluene*	<0.050	0.050	10/30/2024	ND	2.09	105	2.00	8.65	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.10	105	2.00	8.13	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	6.26	104	6.00	8.27	
Total BTX	<0.300	0.300	10/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/30/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	211	105	200	4.27	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	202	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: B - 86 5' (H246553-26)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2024	ND	2.01	100	2.00	9.00		
Toluene*	<0.050	0.050	10/30/2024	ND	2.09	105	2.00	8.65		
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.10	105	2.00	8.13		
Total Xylenes*	<0.150	0.150	10/30/2024	ND	6.26	104	6.00	8.27		
Total BTEx	<0.300	0.300	10/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/30/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	211	105	200	4.27	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	202	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: WSW - 1 5' (H246553-27)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2024	ND	2.01	100	2.00	9.00		
Toluene*	<0.050	0.050	10/30/2024	ND	2.09	105	2.00	8.65		
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.10	105	2.00	8.13		
Total Xylenes*	<0.150	0.150	10/30/2024	ND	6.26	104	6.00	8.27		
Total BTEx	<0.300	0.300	10/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/30/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	211	105	200	4.27	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	202	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: NSW - 1 5' (H246553-28)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2024	ND	2.01	100	2.00	9.00		
Toluene*	<0.050	0.050	10/30/2024	ND	2.09	105	2.00	8.65		
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.10	105	2.00	8.13		
Total Xylenes*	<0.150	0.150	10/30/2024	ND	6.26	104	6.00	8.27		
Total BTEx	<0.300	0.300	10/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/30/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	211	105	200	4.27	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	202	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SSW - 1 5' (H246553-29)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.01	100	2.00	9.00	
Toluene*	<0.050	0.050	10/30/2024	ND	2.09	105	2.00	8.65	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.10	105	2.00	8.13	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	6.26	104	6.00	8.27	
Total BTEx	<0.300	0.300	10/30/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/30/2024	ND	416	104	400	7.41	QR-03

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	211	105	200	4.27	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	202	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: ESW - 1 5' (H246553-30)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2024	ND	2.01	100	2.00	9.00		
Toluene*	<0.050	0.050	10/30/2024	ND	2.09	105	2.00	8.65		
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.10	105	2.00	8.13		
Total Xylenes*	<0.150	0.150	10/30/2024	ND	6.26	104	6.00	8.27		
Total BTEX	<0.300	0.300	10/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/30/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	211	105	200	4.27	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	202	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 130 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: ESW - 2 2' (H246553-31)

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.01	100	2.00	9.00	
Toluene*	<0.050	0.050	10/30/2024	ND	2.09	105	2.00	8.65	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.10	105	2.00	8.13	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	6.26	104	6.00	8.27	
Total BTX	<0.300	0.300	10/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/30/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	211	105	200	4.27	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	202	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: ESW - 3 2' (H246553-32)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.01	100	2.00	9.00	
Toluene*	<0.050	0.050	10/30/2024	ND	2.09	105	2.00	8.65	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.10	105	2.00	8.13	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	6.26	104	6.00	8.27	
Total BTX	<0.300	0.300	10/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/30/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	211	105	200	4.27	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	202	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SSW - 2 2' (H246553-33)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.01	100	2.00	9.00	
Toluene*	<0.050	0.050	10/30/2024	ND	2.09	105	2.00	8.65	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.10	105	2.00	8.13	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	6.26	104	6.00	8.27	
Total BTEX	<0.300	0.300	10/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/30/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	211	105	200	4.27	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	202	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: ESW - 4 10' (H246553-34)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2024	ND	2.01	100	2.00	9.00		
Toluene*	<0.050	0.050	10/30/2024	ND	2.09	105	2.00	8.65		
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.10	105	2.00	8.13		
Total Xylenes*	<0.150	0.150	10/30/2024	ND	6.26	104	6.00	8.27		
Total BTEx	<0.300	0.300	10/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/30/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	211	105	200	4.27	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	202	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: ESW - 5 10' (H246553-35)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2024	ND	2.01	100	2.00	9.00		
Toluene*	<0.050	0.050	10/30/2024	ND	2.09	105	2.00	8.65		
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.10	105	2.00	8.13		
Total Xylenes*	<0.150	0.150	10/30/2024	ND	6.26	104	6.00	8.27		
Total BTEX	<0.300	0.300	10/30/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/30/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	211	105	200	4.27	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	202	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: NSW - 2 10' (H246553-36)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2024	ND	2.01	100	2.00	9.00		
Toluene*	<0.050	0.050	10/30/2024	ND	2.09	105	2.00	8.65		
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.10	105	2.00	8.13		
Total Xylenes*	<0.150	0.150	10/30/2024	ND	6.26	104	6.00	8.27		
Total BTEx	<0.300	0.300	10/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/30/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	211	105	200	4.27	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	202	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SSW - 3 10' (H246553-37)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2024	ND	2.01	100	2.00	9.00		
Toluene*	<0.050	0.050	10/30/2024	ND	2.09	105	2.00	8.65		
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.10	105	2.00	8.13		
Total Xylenes*	<0.150	0.150	10/30/2024	ND	6.26	104	6.00	8.27		
Total BTEX	<0.300	0.300	10/30/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	10/30/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	211	105	200	4.27	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	202	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: WSW - 2 10' (H246553-38)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.01	100	2.00	9.00	
Toluene*	<0.050	0.050	10/30/2024	ND	2.09	105	2.00	8.65	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.10	105	2.00	8.13	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	6.26	104	6.00	8.27	
Total BTEX	<0.300	0.300	10/30/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/30/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	211	105	200	4.27	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	202	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: WSW - 3 10' (H246553-39)

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.01	100	2.00	9.00	
Toluene*	<0.050	0.050	10/30/2024	ND	2.09	105	2.00	8.65	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.10	105	2.00	8.13	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	6.26	104	6.00	8.27	
Total BTX	<0.300	0.300	10/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/30/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	211	105	200	4.27	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	202	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: ESW - 6 6' (H246553-40)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2024	ND	2.01	100	2.00	9.00		
Toluene*	<0.050	0.050	10/30/2024	ND	2.09	105	2.00	8.65		
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.10	105	2.00	8.13		
Total Xylenes*	<0.150	0.150	10/30/2024	ND	6.26	104	6.00	8.27		
Total BTEX	<0.300	0.300	10/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/30/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	211	105	200	4.27	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	202	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SSW - 4 6' (H246553-41)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.17	109	2.00	9.58	
Toluene*	<0.050	0.050	10/30/2024	ND	2.57	128	2.00	15.0	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.98	149	2.00	16.2	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	9.26	154	6.00	16.9	QR-03
Total BTEX	<0.300	0.300	10/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/30/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	207	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	210	105	200	0.481	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 86.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: WSW - 3 6' (H246553-42)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2024	ND	2.17	109	2.00	9.58		
Toluene*	<0.050	0.050	10/30/2024	ND	2.57	128	2.00	15.0		
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.98	149	2.00	16.2		
Total Xylenes*	<0.150	0.150	10/30/2024	ND	9.26	154	6.00	16.9		
Total BTEx	<0.300	0.300	10/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/30/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	207	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	210	105	200	0.481	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: WSW - 4 6' (H246553-43)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.17	109	2.00	9.58	
Toluene*	<0.050	0.050	10/30/2024	ND	2.57	128	2.00	15.0	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.98	149	2.00	16.2	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	9.26	154	6.00	16.9	
Total BTEx	<0.300	0.300	10/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/30/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	207	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	210	105	200	0.481	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: WSW - 5 6' (H246553-44)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2024	ND	2.17	109	2.00	9.58		
Toluene*	<0.050	0.050	10/30/2024	ND	2.57	128	2.00	15.0		
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.98	149	2.00	16.2		
Total Xylenes*	<0.150	0.150	10/30/2024	ND	9.26	154	6.00	16.9		
Total BTEx	<0.300	0.300	10/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/30/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	207	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	210	105	200	0.481	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 93.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: ESW - 7 7' (H246553-45)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2024	ND	2.17	109	2.00	9.58		
Toluene*	<0.050	0.050	10/30/2024	ND	2.57	128	2.00	15.0		
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.98	149	2.00	16.2		
Total Xylenes*	<0.150	0.150	10/30/2024	ND	9.26	154	6.00	16.9		
Total BTEX	<0.300	0.300	10/30/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/30/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	207	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	210	105	200	0.481	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SSW - 7 7' (H246553-46)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2024	ND	2.17	109	2.00	9.58		
Toluene*	<0.050	0.050	10/30/2024	ND	2.57	128	2.00	15.0		
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.98	149	2.00	16.2		
Total Xylenes*	<0.150	0.150	10/30/2024	ND	9.26	154	6.00	16.9		
Total BTEX	<0.300	0.300	10/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/30/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	207	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	210	105	200	0.481	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 97.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: NSW - 6 7' (H246553-47)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.17	109	2.00	9.58	
Toluene*	<0.050	0.050	10/30/2024	ND	2.57	128	2.00	15.0	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.98	149	2.00	16.2	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	9.26	154	6.00	16.9	
Total BTEX	<0.300	0.300	10/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/30/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	207	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	210	105	200	0.481	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 98.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: WSW - 8 7' (H246553-48)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.17	109	2.00	9.58	
Toluene*	<0.050	0.050	10/30/2024	ND	2.57	128	2.00	15.0	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.98	149	2.00	16.2	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	9.26	154	6.00	16.9	
Total BTEx	<0.300	0.300	10/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/30/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	207	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	210	105	200	0.481	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: WSW - 9 9' (H246553-49)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2024	ND	2.17	109	2.00	9.58		
Toluene*	<0.050	0.050	10/30/2024	ND	2.57	128	2.00	15.0		
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.98	149	2.00	16.2		
Total Xylenes*	<0.150	0.150	10/30/2024	ND	9.26	154	6.00	16.9		
Total BTEx	<0.300	0.300	10/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	10/30/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	207	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	210	105	200	0.481	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: WSW - 10 9' (H246553-50)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.17	109	2.00	9.58	
Toluene*	<0.050	0.050	10/30/2024	ND	2.57	128	2.00	15.0	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.98	149	2.00	16.2	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	9.26	154	6.00	16.9	
Total BTEX	<0.300	0.300	10/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/30/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	207	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	210	105	200	0.481	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SSW - 8 9' (H246553-51)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2024	ND	2.17	109	2.00	9.58		
Toluene*	<0.050	0.050	10/30/2024	ND	2.57	128	2.00	15.0		
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.98	149	2.00	16.2		
Total Xylenes*	<0.150	0.150	10/30/2024	ND	9.26	154	6.00	16.9		
Total BTEX	<0.300	0.300	10/30/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/30/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	207	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	210	105	200	0.481	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: ESW - 8 9' (H246553-52)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.17	109	2.00	9.58	
Toluene*	<0.050	0.050	10/30/2024	ND	2.57	128	2.00	15.0	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.98	149	2.00	16.2	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	9.26	154	6.00	16.9	
Total BTEX	<0.300	0.300	10/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	10/30/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	207	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	210	105	200	0.481	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: WSW - 4 10' (H246553-53)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.17	109	2.00	9.58	
Toluene*	<0.050	0.050	10/30/2024	ND	2.57	128	2.00	15.0	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.98	149	2.00	16.2	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	9.26	154	6.00	16.9	
Total BTEx	<0.300	0.300	10/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/30/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	207	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	210	105	200	0.481	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: ESW - 6 10' (H246553-54)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2024	ND	2.17	109	2.00	9.58		
Toluene*	<0.050	0.050	10/30/2024	ND	2.57	128	2.00	15.0		
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.98	149	2.00	16.2		
Total Xylenes*	<0.150	0.150	10/30/2024	ND	9.26	154	6.00	16.9		
Total BTEx	<0.300	0.300	10/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/30/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	207	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	210	105	200	0.481	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SSW - 5 10' (H246553-55)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2024	ND	2.17	109	2.00	9.58		
Toluene*	<0.050	0.050	10/30/2024	ND	2.57	128	2.00	15.0		
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.98	149	2.00	16.2		
Total Xylenes*	<0.150	0.150	10/30/2024	ND	9.26	154	6.00	16.9		
Total BTEX	<0.300	0.300	10/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	10/30/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	207	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	210	105	200	0.481	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: WSW - 6 10' (H246553-56)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2024	ND	2.17	109	2.00	9.58		
Toluene*	<0.050	0.050	10/30/2024	ND	2.57	128	2.00	15.0		
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.98	149	2.00	16.2		
Total Xylenes*	<0.150	0.150	10/30/2024	ND	9.26	154	6.00	16.9		
Total BTEx	<0.300	0.300	10/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/30/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	207	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	210	105	200	0.481	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: NSW - 5 2' (H246553-57)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.17	109	2.00	9.58	
Toluene*	<0.050	0.050	10/30/2024	ND	2.57	128	2.00	15.0	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.98	149	2.00	16.2	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	9.26	154	6.00	16.9	
Total BTX	<0.300	0.300	10/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/30/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	207	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	210	105	200	0.481	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: WSW - 7 2' (H246553-58)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2024	ND	2.17	109	2.00	9.58		
Toluene*	<0.050	0.050	10/30/2024	ND	2.57	128	2.00	15.0		
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.98	149	2.00	16.2		
Total Xylenes*	<0.150	0.150	10/30/2024	ND	9.26	154	6.00	16.9		
Total BTEX	<0.300	0.300	10/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	10/30/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	207	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	210	105	200	0.481	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SSW - 6 2' (H246553-59)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.17	109	2.00	9.58	
Toluene*	<0.050	0.050	10/30/2024	ND	2.57	128	2.00	15.0	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.98	149	2.00	16.2	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	9.26	154	6.00	16.9	
Total BTX	<0.300	0.300	10/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	10/30/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	207	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	210	105	200	0.481	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: NSW - 7 2' (H246553-60)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2024	ND	2.17	109	2.00	9.58		
Toluene*	<0.050	0.050	10/30/2024	ND	2.57	128	2.00	15.0		
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.98	149	2.00	16.2		
Total Xylenes*	<0.150	0.150	10/30/2024	ND	9.26	154	6.00	16.9		
Total BTEX	<0.300	0.300	10/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/30/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	207	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	210	105	200	0.481	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 98.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: WSW - 11 2' (H246553-61)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2024	ND	2.09	105	2.00	2.08	
Toluene*	<0.050	0.050	10/30/2024	ND	2.03	101	2.00	2.05	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.06	103	2.00	1.79	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	6.13	102	6.00	1.71	
Total BTX	<0.300	0.300	10/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/30/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	224	112	200	1.54	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	205	102	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: WSW - 12 5' (H246553-62)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2024	ND	2.09	105	2.00	2.08	
Toluene*	<0.050	0.050	10/31/2024	ND	2.03	101	2.00	2.05	
Ethylbenzene*	<0.050	0.050	10/31/2024	ND	2.06	103	2.00	1.79	
Total Xylenes*	<0.150	0.150	10/31/2024	ND	6.13	102	6.00	1.71	
Total BTX	<0.300	0.300	10/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 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	10/30/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	224	112	200	1.54	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	205	102	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SSW - 9 5' (H246553-63)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2024	ND	2.09	105	2.00	2.08	
Toluene*	<0.050	0.050	10/31/2024	ND	2.03	101	2.00	2.05	
Ethylbenzene*	<0.050	0.050	10/31/2024	ND	2.06	103	2.00	1.79	
Total Xylenes*	<0.150	0.150	10/31/2024	ND	6.13	102	6.00	1.71	
Total BTEX	<0.300	0.300	10/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/30/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	224	112	200	1.54	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	205	102	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: ESW - 10 5' (H246553-64)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/31/2024	ND	2.09	105	2.00	2.08		
Toluene*	<0.050	0.050	10/31/2024	ND	2.03	101	2.00	2.05		
Ethylbenzene*	<0.050	0.050	10/31/2024	ND	2.06	103	2.00	1.79		
Total Xylenes*	<0.150	0.150	10/31/2024	ND	6.13	102	6.00	1.71		
Total BTEx	<0.300	0.300	10/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/30/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	224	112	200	1.54	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	205	102	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: NSW - 8 5' (H246553-65)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/31/2024	ND	2.09	105	2.00	2.08		
Toluene*	<0.050	0.050	10/31/2024	ND	2.03	101	2.00	2.05		
Ethylbenzene*	<0.050	0.050	10/31/2024	ND	2.06	103	2.00	1.79		
Total Xylenes*	<0.150	0.150	10/31/2024	ND	6.13	102	6.00	1.71		
Total BTEx	<0.300	0.300	10/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	10/30/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	224	112	200	1.54	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	205	102	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 10/28/2024
Reported: 11/01/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: SPUR
Project Location: 32.636246-103.452198

Sampling Date: 10/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: ESW - 9 2' (H246553-66)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2024	ND	2.09	105	2.00	2.08	
Toluene*	<0.050	0.050	10/31/2024	ND	2.03	101	2.00	2.05	
Ethylbenzene*	<0.050	0.050	10/31/2024	ND	2.06	103	2.00	1.79	
Total Xylenes*	<0.150	0.150	10/31/2024	ND	6.13	102	6.00	1.71	
Total BTX	<0.300	0.300	10/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 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	64.0	16.0	10/30/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	224	112	200	1.54	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	205	102	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
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.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental										BILL TO										ANALYSIS REQUEST									
Project Manager: Chris Jones										P.O. #:																			
Address: 1601 N. Turner St., Ste 500										Company: Spar																			
City: Hobbs										Attn:																			
Phone #: 575-964-7814										Address:																			
Fax #: 88240										City:																			
Project #:										State: Zip:																			
Project Name: Morris Ace 26#2										Phone #:																			
Project Location: Rural Eddy										Fax #:																			
Sampler Name:										FOR LAB USE ONLY																			
Lab I.D.										Sample I.D.																			
1124553										B-61 10'																			
B-62 10'																													
B-63 2'																													
B-64 2'																													
B-65 7'																													
B-66 7'																													
B-67 7'																													
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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										ANALYSIS REQUEST									
Project Manager: Chris Jones		Company:																					
Address: 1601 N. Turner St., Ste 500		Attn:																					
City: Hobbs		Address:																					
Phone #: 575-964-7814		City:																					
Fax #:		State:																					
Project #:		Zip:																					
Project Name:		Phone #:																					
Project Location:		Fax #:																					
Sampler Name:		DATE																					
FOR LAB USE ONLY		TIME																					
Lab I.D.		Sample I.D.																					
H240553		B-71																					
13-72		71																					
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental						BILL TO						ANALYSIS REQUEST					
Project Manager: Chris Jones						P.O. #:											
Address: 1601 N. Turner St., Ste 500						Company:											
City: Hobbs						Attn:											
Phone #: 575-964-7814						Address:											
Fax #: State: NM zip: 88240						City:											
Project #:						State: Zip:											
Project Location:						Phone #:											
Sample Name:						Fax #:											
FOR LAB USE ONLY																	
Lab I.D.						Sample I.D.											
B4U553						B-81-2'											
21						(G)RAB OR (C)OMP.											
22						# CONTAINERS											
23						GROUNDWATER											
24						WASTEWATER											
25						SOIL											
26						OIL											
27						SLUDGE											
28						OTHER :											
29						ACID/BASE:											
30						ICE / COOL											
31						OTHER :											
32						DATE											
33						TIME											
34						Chlorides											
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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		Company:		ANALYSIS REQUEST																																			
Address: 1601 N. Turner St., Ste 500		Attn:																																					
City: Hobbs		Address:																																					
Phone #: 575-964-7814		City:																																					
Fax #:		State:																																					
Project #:		Zip:																																					
Project Name:		Phone #:																																					
Project Location:		Fax #:																																					
Sampler Name:																																							
FOR LAB USE ONLY																																							
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		Chlorides									
1124553		ESW-2 21		6																						6/18				TPH									
21		ESW-3 21																												BTEX									
23		ESW-4 21																																					
24		ESW-5 101																																					
25		ESW-2 101																																					
27		ESW-3 101																																					
28		ESW-2 101																																					
29		ESW-3 101																																					
30		ESW-6 6'																																					
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 the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.																																							
Relinquished By:		Date: 10/25/24		Received By:		Date: 10/14		Sample Condition		Checked By:		Phone Result:		Fax Result:		REMARKS:																							
Relinquished By:		Time: 10:14		Received By:		Time:		Cool Intact		(Initials)		Yes No		Yes No																									
Delivered By: (Circle One)		58: C.O.C.						Yes No		Yes No		Yes No		Yes No																									
Sampler - UPS - Bus - Other:		52: #142						Yes No		Yes No		Yes No		Yes No																									

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental		BILL TO		ANALYSIS REQUEST																																			
Project Manager: Chris Jones		P.O. #:																																					
Address: 1601 N. Turner St., Ste 500		Company:																																					
City: Hobbs		Attn:																																					
Phone #: 575-964-7814		Address:																																					
Fax #:		City:																																					
Project #:		State:																																					
Project Name:		Zip:																																					
Project Location:		Phone #:																																					
Fax #:																																							
Sampler Name:		Fax #:																																					
FOR LAB USE ONLY																																							
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME		Chlorides TPH BTEX									
41		58w-4 6'		9																						10/18													
42		W5W-3 6'																																					
43		W5W-4 6'																																					
44		W5W-5 6'																																					
45		W5W-7 7'																																					
46		W5W-7 7'																																					
47		W5W-8 7'																																					
48		W5W-8 7'																																					
49		W5W-9 9'																																					
50		W5W-10 9'																																					
<p>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 the client for the 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																																							
Relinquished By:		Date: 10/28/14		Time: 10:14		Received By:		Date: 10/18		Time: 10:18		REMARKS:																											
Relinquished By:		Date:		Time:		Received By:		Date:		Time:																													
Delivered By: (Circle One)		58w-4 6'		C.O.C.		Sample Condition		Cool		Intact		Checked By: (Initials)																											
Sampler - UPS - Bus - Other:		58w-4 6'		C.O.C.		Cool		Intact		Checked By: (Initials)																													

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]



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. #:												
Project Manager: Chris Jones		Company:												
Address: 1601 N. Turner St., Ste 500		Attn:												
City: Hobbs		State: NM Zip: 88240												
Phone #: 575-964-7814		Fax #:												
Project #:		Project Owner:												
Project Name:		State:	Zip:											
Project Location:		Phone #:												
Sampler Name:		Fax #:												
FOR LAB USE ONLY														
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME
H24U553 L01	WS00-11 2'	G											10/18	
L02	WS00-12 5'													
L03	SS00-9 5'													
L04	SS00-10 5'													
L05	SS00-8 5'													
L06	CS00-9 2'													

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Relinquished By: Date: 10-26-24 Time: 10:14 Received By: CAPAVES Date: Time:	Delivered By: (Circle One) S.C./C-O-U S.S.J./HLD <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Intact <input checked="" type="checkbox"/> Broken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CHECKED BY: (Initials) AP	REMARKS: Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: _____
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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

December 23, 2024

CHRIS JONES

PARAGON ENVIROMENTAL

1601 N TURNER ST., STE 500

HOBBS, NM 88240

RE: MORRIS ARCO 26 #2 SWD

Enclosed are the results of analyses for samples received by the laboratory on 12/20/24 16:34.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 12/20/2024
Reported: 12/23/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: NONE GIVEN
Project Location: SPUR - 32.636246-103.452198

Sampling Date: 12/13/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: B - 18 10.5' (H247743-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/20/2024	ND	2.24	112	2.00	0.642	
Toluene*	<0.050	0.050	12/20/2024	ND	2.11	105	2.00	0.893	
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	2.07	103	2.00	1.08	
Total Xylenes*	<0.150	0.150	12/20/2024	ND	6.16	103	6.00	1.82	
Total BTX	<0.300	0.300	12/20/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	12/23/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2024	ND	198	99.0	200	2.57	
DRO >C10-C28*	<10.0	10.0	12/21/2024	ND	201	101	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	12/21/2024	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 12/20/2024
Reported: 12/23/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: NONE GIVEN
Project Location: SPUR - 32.636246-103.452198

Sampling Date: 12/13/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BACKFILL - 1 (H247743-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2024	ND	2.24	112	2.00	0.642		
Toluene*	<0.050	0.050	12/20/2024	ND	2.11	105	2.00	0.893		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	2.07	103	2.00	1.08		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	6.16	103	6.00	1.82		
Total BTEx	<0.300	0.300	12/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/23/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2024	ND	198	99.0	200	2.57	
DRO >C10-C28*	<10.0	10.0	12/21/2024	ND	201	101	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	12/21/2024	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 12/20/2024
Reported: 12/23/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: NONE GIVEN
Project Location: SPUR - 32.636246-103.452198

Sampling Date: 12/13/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BACKFILL - 2 (H247743-03)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/20/2024	ND	2.24	112	2.00	0.642	
Toluene*	<0.050	0.050	12/20/2024	ND	2.11	105	2.00	0.893	
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	2.07	103	2.00	1.08	
Total Xylenes*	<0.150	0.150	12/20/2024	ND	6.16	103	6.00	1.82	
Total BTX	<0.300	0.300	12/20/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/23/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2024	ND	198	99.0	200	2.57	
DRO >C10-C28*	<10.0	10.0	12/21/2024	ND	201	101	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	12/21/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 12/20/2024
Reported: 12/23/2024
Project Name: MORRIS ARCO 26 #2 SWD
Project Number: NONE GIVEN
Project Location: SPUR - 32.636246-103.452198

Sampling Date: 12/13/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BACKFILL - 3 (H247743-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2024	ND	2.24	112	2.00	0.642		
Toluene*	<0.050	0.050	12/20/2024	ND	2.11	105	2.00	0.893		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	2.07	103	2.00	1.08		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	6.16	103	6.00	1.82		
Total BTEx	<0.300	0.300	12/20/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/23/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2024	ND	198	99.0	200	2.57	
DRO >C10-C28*	<10.0	10.0	12/21/2024	ND	201	101	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	12/21/2024	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.9 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental

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:

SPF Energy

Project Name: Harrisville 26#2

Project Location: Route 1 Eddy

Sample Name: Anna/O. Pears

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

#247743

B-18 10/2

1

B&K 11-1

3 B&K 11-2

4 B&K 11-3

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

Chloride S
TPH
BTCA

ANALYSIS REQUEST

BILL TO

P.O. #:

Company: SPF Energy

Attn:

Address:

City:

State:

Zip:

Phone #:

Fax #:

PRESERV

SAMPLING

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising under this contract or tort, shall be limited to the amount paid by the client for the 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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Date: 12/30/24

Received By:

Phone Result:

Yes

No

Add'l Phone #:

Add'l Fax #:

REMARKS:

24 hour RUSH

Relinquished By:

Date:

Received By:

Time:

Time:

Time:

Time:

Time:

Time:

Time:

Time:

Time:

Time:

Time:

Time:

Time:

Time:

Time:

Delivered By: (Circle One)

-0.120-0.4

Sample Condition

CHECKED BY:

Initials

Initials

Initials

Initials

Initials

Initials

Initials

Initials

Initials

Initials

Initials

Initials

Initials

Initials

Initials

Initials

Sampler - UPS - Bus - Other:

-0.120-0.4

Sample Condition

CHECKED BY:

Initials

Initials

Initials

Initials

Initials

Initials

Initials

Initials

Initials

Initials

Initials

Initials

Initials

Initials

Initials

Initials

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

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

QUESTIONS

Action 425672

QUESTIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 425672
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2130550702
Incident Name	NAPP2130550702 MORRIS ARCO 26 #002 @ 30-015-29258
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-29258] MORRIS ARCO 26 #002

Location of Release Source

Please answer all the questions in this group.

Site Name	MORRIS ARCO 26 #002
Date Release Discovered	08/26/2021
Surface Owner	Private

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: Corrosion Valve Produced Water Released: 40 BBL Recovered: 35 BBL Lost: 5 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 425672

QUESTIONS (continued)

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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	Not answered.

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: 08/29/2024
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QUESTIONS, Page 3

Action 425672

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 425672
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>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.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 300 and 500 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1000 (ft.) and ½ (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 300 and 500 (ft.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
<i>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.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	5920
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	24.6
GRO+DRO (EPA SW-846 Method 8015M)	24.6
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>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>	
On what estimated date will the remediation commence	10/01/2024
On what date will (or did) the final sampling or liner inspection occur	12/13/2024
On what date will (or was) the remediation complete(d)	12/13/2024
What is the estimated surface area (in square feet) that will be reclaimed	17000
What is the estimated volume (in cubic yards) that will be reclaimed	4300
What is the estimated surface area (in square feet) that will be remediated	17000
What is the estimated volume (in cubic yards) that will be remediated	4300
<i>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.</i>	
<i>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.</i>	

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QUESTIONS, Page 4

Action 425672

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 425672
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>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.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>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>	
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: 01/28/2025
<i>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.</i>	

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QUESTIONS, Page 5

Action 425672

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 425672
	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 425672

QUESTIONS (continued)

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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	410728
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/13/2024
What was the (estimated) number of samples that were to be gathered	1
What was the sampling surface area in square feet	200

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	17000
What was the total volume (cubic yards) remediated	4300
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	17000
What was the total volume (in cubic yards) reclaimed	4300
Summarize any additional remediation activities not included by answers (above)	CONTAMINATED SOIL WAS REMOVED AND TESTED TO THE STRICTEST STANDARDS SET FORTH BY NMOCD
<i>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>	
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: 01/28/2025

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Action 425672

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 425672
	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 425672

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 425672
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	1/31/2025
crystal.walker	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. The 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; 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.	1/31/2025
crystal.walker	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	1/31/2025
crystal.walker	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, 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.	1/31/2025