



May 22<sup>nd</sup>, 2025

NMOCD District 2  
Mr. Mike Bratcher  
Artesia, NM 88210

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

**Re: Work Plan**  
**Batman CTB 1**  
**API # N/A**  
**GPS: Latitude 32.576578 Longitude - 103.602642**  
**U/L "F," Sec. 18, T20S, R34E**  
**Lea County, NM**  
**NMOCD Ref. No. NAPP2504336953**

Paragon Environmental, LLC (Paragon) has been contracted by Permian Resources (Permian) to perform remediation activities for the Release Site known as the Batman CTB 1 (Batman). Details of the release are summarized below:

Release Details			
<b>Type of Release:</b>	Produced Water	<b>Volume of Release:</b>	165 bbls
		<b>Volume Recovered:</b>	40 bbls
<b>Source of Release:</b>	Equipment Failure	<b>Date of Release:</b>	2/12/25
<b>Was Immediate Notice Given?</b>	Yes	<b>If, Yes, to Whom?</b>	NMOCD
<b>Was a Watercourse Reached?</b>	No	<b>If Yes, Volume Impacting Watercourse:</b>	N/A
<b>Surface Owner:</b>	Private	<b>Mineral Owner:</b>	
An equipment failure caused the riser to spill produced water into the pasture			

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

## REGULATORY FRAMEWORK & SITE CHARACTERIZATION

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

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

Depth to groundwater information is provided in Appendix A.

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

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

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the Eolian and piedmont deposits (Holocene to middle Pleistocene)—Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits (QEP). The soil in this area is made up of Pyote and Maljamar Fine Sands, with 0 to 3 percent slopes, according to the United States Department of Agriculture Natural Resources Conservation Service. The drainage course in this area is 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 & SOIL SAMPLING EVENT

On the 4<sup>th</sup> and 10<sup>th</sup> of March 2025, Diamondback went to the Batman and conducted an initial site assessment and obtained soil samples. During the initial site assessments, six (6) soil samples were collected in the spill zone, labeled SP, and 11 horizontal samples were collected outside the spill zone, labeled H. During the process of obtaining these samples, they were field tested in an effort to determine the vertical and horizontal extent of soil impact. A table summarizing the titration results from the soil samples collected during the above-stated activities is provided below:

### Laboratory Results

Batman CTB - rAPP2504336853													
Vertical Samples													
SAMPLE ID	LAB ID NUMBER	SAMPLE DEPTH	SAMPLE DATE	BENZENE	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C10 (mg/kg)	DRO C10-C20 (mg/kg)	EXT DRO C20-C30 (mg/kg)	TOTAL TPH C6-C30 (mg/kg)	CHLORIDE
SP1	H251284-01	Surface	3/4/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	4160
SP1	H251284-02	4"	3/4/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	8500
SP2	H251449-01	Surface	3/11/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	224
SP2	H251449-02	4"	3/11/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	3730
SP3	H251449-03	Surface	3/11/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16
SP3	H251449-04	1"	3/11/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16
SP4	H251449-05	Surface	3/11/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SP4	H251449-06	1"	3/11/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32
SP5	H251449-07	Surface	3/11/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2280
SP5	H251449-08	2"	3/11/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80
SP6	H251449-09	Surface	3/11/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.9	<10.0	11.9	8400
SP6	H251449-10	1"	3/11/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
Batman CTB - rAPP2504336853													
Horizontal Samples													
SAMPLE ID	LAB ID NUMBER	SAMPLE DEPTH	SAMPLE DATE	BENZENE	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C10 (mg/kg)	DRO C10-C20 (mg/kg)	EXT DRO C20-C30 (mg/kg)	TOTAL TPH C6-C30 (mg/kg)	CHLORIDE
H1	H251406-01	Surface	3/10/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
H2	H251406-02	Surface	3/10/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32
H3	H251406-03	Surface	3/10/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
H4	H251406-04	Surface	3/10/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
H5	H251406-05	Surface	3/10/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16
H6	H251406-06	Surface	3/10/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16
H7	H251406-07	Surface	3/10/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16
H8	H251406-08	Surface	3/10/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48
H9	H251406-09	Surface	3/10/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48
H10	H251406-10	Surface	3/10/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32
H11	H251406-11	Surface	3/10/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32

### PHASE I REMEDIATION ACTIVITIES

Based on the analytical results, site characteristics, and field observations made during the site assessment, Paragon performed the following remedial activities:

- Utilizing mechanical equipment, starting on 04-08-2025, we began excavating the impacted soils that were above the NMOCD Closure Criteria to depths ranging from 1-4 feet BGS. See Confirmation Sample Map for the below areas of excavation and different depths, map is attached in Figure 5.
  - The areas of SP-1 and SP-2 were excavated to a depth of 4 feet BGS. Together, they were approximately 6750 s/f and 1000 cubic yards.
  - The area of SP-5 was excavated to a depth of 2 feet BGS. It was approximately 5500 s/f and 410 yards.
  - The area of SP-6 was excavated to a depth of 1 foot BGS. It was approximately 3600 s/f and 135 yards.
  - The excavated areas combined to a total of approximately 15,850 s/f and 1545 yards.
- A confirmation soil sampling event in accordance with 19.15.19.12 NMAC was conducted, giving the OCD a 48-hour notification. The results of said soil sampling event are in the following data table:



## 4-21-25 Confirmation Laboratory Samples

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')							
Sample Date 04-21-25	Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg				Closure Criteria ≤ 100 mg/kg	Closure Criteria ≤ 600 mg/kg
Sample ID	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
S - 1 4'	ND	ND	ND	ND	ND	ND	128
S - 2 4'	ND	ND	ND	ND	ND	ND	432
S - 3 4'	ND	ND	ND	ND	ND	ND	464
S - 4 4'	ND	ND	ND	ND	ND	ND	624
S - 5 4'	ND	ND	ND	ND	ND	ND	240
S - 6 4'	ND	ND	ND	ND	ND	ND	496
S - 7 4'	ND	ND	ND	ND	ND	ND	592
S - 8 4'	ND	ND	ND	ND	ND	ND	688
S - 9 4'	ND	ND	ND	ND	ND	ND	576
S - 10 4'	ND	ND	ND	ND	ND	ND	576
S - 11 4'	ND	ND	ND	ND	ND	ND	352
S - 12 4'	ND	ND	ND	ND	ND	ND	96
S - 13 4'	ND	ND	ND	ND	ND	ND	240
S - 14 4'	ND	ND	ND	ND	ND	ND	256
S - 15 4'	ND	ND	ND	ND	ND	ND	224
S - 16 4'	ND	ND	ND	ND	ND	ND	176
S - 17 4'	ND	ND	ND	ND	ND	ND	272
S - 18 4'	ND	ND	ND	ND	ND	ND	192
S - 19 4'	ND	ND	ND	ND	ND	ND	144
S - 20 4'	ND	ND	ND	ND	ND	ND	128
S - 21 4'	ND	ND	ND	ND	ND	ND	3600
S - 22 4'	ND	ND	ND	ND	ND	ND	3280
S - 23 4'	ND	ND	ND	ND	ND	ND	4440
S - 24 4'	ND	ND	ND	ND	ND	ND	3520
S - 25 4'	ND	ND	ND	ND	ND	ND	3760
S - 26 4'	ND	ND	ND	ND	ND	ND	3640
S - 27 4'	ND	ND	ND	ND	ND	ND	3680
S - 28 4'	ND	ND	ND	ND	ND	ND	4120
S - 29 4'	ND	ND	ND	ND	ND	ND	576
S - 30 4'	ND	ND	ND	ND	ND	ND	3840
S - 31 4'	ND	ND	ND	ND	ND	ND	ND
S - 32 4'	ND	ND	ND	ND	ND	ND	ND
S - 33 4'	ND	ND	ND	ND	ND	ND	ND
S - 34 4'	ND	ND	ND	ND	ND	ND	ND
S - 35 2'	ND	ND	ND	ND	ND	ND	224
S - 36 2'	ND	ND	ND	ND	ND	ND	320
S - 37 2'	ND	ND	ND	ND	ND	ND	224
S - 38 2'	ND	ND	ND	ND	ND	ND	240
S - 39 2'	ND	ND	ND	ND	ND	ND	4560

S - 40 2'	ND	ND	ND	ND	ND	ND	48
S - 41 2'	ND	ND	ND	ND	ND	ND	2320
S - 42 2'	ND	ND	ND	ND	ND	ND	2240
S - 43 2'	ND	ND	ND	ND	ND	ND	2720
S - 44 2'	ND	ND	ND	ND	ND	ND	1650
S - 45 2'	ND	ND	ND	ND	ND	ND	1520
S - 46 2'	ND	ND	ND	ND	ND	ND	1840
S - 47 2'	ND	ND	ND	ND	ND	ND	1480
S - 48 2'	ND	ND	ND	ND	ND	ND	1470
S - 49 2'	ND	ND	ND	ND	ND	ND	1650
S - 50 2'	ND	ND	ND	ND	ND	ND	1880
S - 51 2'	ND	ND	ND	25.9	ND	25.9	2560
S - 52 2'	ND	ND	ND	ND	ND	ND	2760
S - 53 2'	ND	ND	ND	ND	ND	ND	2280
S - 54 2'	ND	ND	ND	ND	ND	ND	2560
S - 55 2'	ND	ND	ND	ND	ND	ND	2400
S - 56 2'	ND	ND	ND	ND	ND	ND	176
S - 57 2'	ND	ND	ND	ND	ND	ND	208
S - 58 2'	ND	ND	ND	ND	ND	ND	128
S - 59 2'	ND	ND	ND	ND	ND	ND	208
S - 60 2'	ND	ND	ND	ND	ND	ND	176
S - 61 2'	ND	ND	ND	ND	ND	ND	320
S - 62 2'	ND	ND	ND	ND	ND	ND	2530
S - 63 1'	ND	ND	ND	ND	ND	ND	3040
S - 64 1'	ND	ND	ND	ND	ND	ND	3000
S - 65 1'	ND	ND	ND	ND	ND	ND	2720
S - 66 1'	ND	ND	ND	ND	ND	ND	3080
S - 67 1'	ND	ND	ND	ND	ND	ND	2840
S - 68 1'	ND	ND	ND	ND	ND	ND	2800
S - 69 1'	ND	ND	ND	16.8	ND	16.8	2680
S - 70 1'	ND	ND	ND	10.4	ND	10.4	2960
S - 71 1'	ND	ND	ND	ND	ND	ND	3120
S - 72 1'	ND	ND	ND	138	34	172	2720
S - 73 1'	ND	ND	ND	22.1	ND	22.1	176
S - 74 1'	ND	ND	ND	ND	ND	ND	80
S - 75 1'	ND	ND	ND	29.5	ND	29.5	176
S - 76 1'	ND	ND	ND	19.3	ND	19.3	192
S - 77 1'	ND	ND	ND	41.4	ND	41.4	224
S - 78 1'	ND	ND	ND	24.7	ND	24.7	176
S - 79 1'	ND	ND	ND	15.4	ND	15.4	128
S - 80 1'	ND	ND	ND	19.8	ND	19.8	256

ESW - 1 4'	ND	ND	ND	ND	ND	ND	ND
SSW - 2 4'	ND	ND	ND	ND	ND	ND	16
SSW - 3 4'	ND	ND	ND	ND	ND	ND	ND
SSW - 4 4'	ND	ND	ND	ND	ND	ND	ND
SSW - 5 4'	ND	ND	ND	ND	ND	ND	ND
SSW - 6 4'	ND	ND	ND	ND	ND	ND	ND
SSW - 7 4'	ND	ND	ND	ND	ND	ND	16
WSW - 8 4'	ND	ND	ND	ND	ND	ND	16
NSW - 9 4'	ND	ND	ND	ND	ND	ND	16
NSW - 10 4'	ND	ND	ND	ND	ND	ND	ND
NSW - 11 4'	ND	ND	ND	ND	ND	ND	ND
NSW - 12 4'	ND	ND	ND	ND	ND	ND	ND
NSW - 13 4'	ND	ND	ND	ND	ND	ND	ND
NSW - 14 4'	ND	ND	ND	ND	ND	ND	ND
WSW - 15 2'	ND	ND	ND	ND	ND	ND	ND
WSW - 16 2'	ND	ND	ND	ND	ND	ND	ND
WSW - 17 2'	ND	ND	ND	ND	ND	ND	ND
NSW - 18 2'	ND	ND	ND	ND	ND	ND	ND
NSW - 19 2'	ND	ND	ND	ND	ND	ND	ND
NSW - 20 2'	ND	ND	ND	ND	ND	ND	ND
ESW - 21 2'	ND	ND	ND	ND	ND	ND	32
SSW - 22 2'	ND	ND	ND	ND	ND	ND	ND
WSW - 23 2'	ND	ND	ND	ND	ND	ND	ND
NSW - 24 1'	ND	ND	ND	ND	ND	ND	ND
NSW - 25 1'	ND	ND	ND	ND	ND	ND	ND
NSW - 26 1'	ND	ND	ND	ND	ND	ND	ND
ESW - 27 1'	ND	ND	ND	ND	ND	ND	ND
ESW - 28 1'	ND	ND	ND	ND	ND	ND	ND
ESW - 29 1'	ND	ND	ND	ND	ND	ND	ND
ESW - 30 1'	ND	ND	ND	ND	ND	ND	ND

(ND) – Analyte Not Detected  
Lab Data attached in Appendix C

## PHASE II REMEDIATION ACTIVITIES

There is water data from POD 00750 that is 0.47 mi from the Batman location that shows water below 320 ft BGS drilled on 06-20-1990. There is also a well that was drilled on 11-21-2024 at .68 mi from the Batman location that shows groundwater is below 105 ft BGS. Based on the spill rule NMAC 19.15.29.10, Section A, Subsection 2, stating “The responsible party must determine the depth to ground water where the release occurred. If the exact depth to ground water is unknown, the responsible party must provide a reasonable determination of probable ground water depth using data generated by numeric models, cathodic well lithology, water well data, published information or other tools as approved by the appropriate division district office. If the responsible party uses water well data, the responsible party must provide all pertinent well information” we believe there is sufficient reason to allow us closure criteria of >100’ per the Table 1 Closure Criteria. Refer to Appendix A for referenced water data. Paragon recommends that the following remedial activities be sufficient to advance the Release Site towards an NMOCD and BLM-approved closure:

- Utilizing mechanical equipment, we excavated the impacted soils to a depth of 4 feet BGS. See Phase II Excavation Map for the below areas of the additional portion of the excavation and it's different depths, map is attached in Figure 6.
  - The areas of S-39, S-41 through S-55, and S-62 were excavated an additional 2 feet, to a depth of 4 feet BGS. This came to approximately 5500 s/f and 410 cubic yards.
  - The areas of S-63 through S-72 were excavated an additional 3 feet, to a depth of 4 feet BGS. This came to approximately 1600 s/f and 177 cubic yards.
  - The Phase II excavation areas combined to a total of approximately 7100 s/f and 587 yards.
  - The total remediated area remained the same at 15,850 s/f ,while the remediated volume increased from 1545 to 2132 cubic yards.
- See Distance to POD Map for the exact distances to the referenced PODs, map is attached in Figure 7. Photographic documentation of the excavation can be found in Appendix C.
- We performed 2 sampling events during Phase II of the excavation. The first was a confirmation soil sampling event conducted in accordance with 19.15.19.12 NMAC, giving the OCD a 48-hour notification. The second was a non-confirmation delineation to determine where the spills vertical footprint cleaned up to be within the <50' BGS standards outlined by the Table I of 19.15.29.12 NMAC. The results of said soil sampling events are in the following data tables:

## 6-3-25 Confirmation Laboratory Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')							
Sample Date 06-03-25	Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg				Closure Criteria ≤ 100 mg/kg	Closure Criteria ≤ 600 mg/kg
Sample ID	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
S - 39 4'	ND	ND	ND	ND	ND	ND	16
S - 41 4'	ND	ND	ND	ND	ND	ND	ND
S - 42 4'	ND	ND	ND	ND	ND	ND	32
S - 43 4'	ND	ND	ND	ND	ND	ND	ND
S - 44 4'	ND	ND	ND	ND	ND	ND	ND
S - 45 4'	ND	ND	ND	ND	ND	ND	320
S - 46 4'	ND	ND	ND	ND	ND	ND	32
S - 47 4'	ND	ND	ND	ND	ND	ND	64
S - 48 4'	ND	ND	ND	ND	ND	ND	ND
S - 49 4'	ND	ND	ND	ND	ND	ND	ND
S - 50 4'	ND	ND	ND	ND	ND	ND	ND
S - 51 4'	ND	ND	ND	ND	ND	ND	32
S - 52 4'	ND	ND	ND	ND	ND	ND	64
S - 53 4'	ND	ND	ND	ND	ND	ND	48
S - 54 4'	ND	ND	ND	ND	ND	ND	64
S - 55 4'	ND	ND	ND	ND	ND	ND	ND
S - 62 4'	ND	ND	ND	ND	ND	ND	32
S - 63 4'	ND	ND	ND	ND	ND	ND	32
S - 64 4'	ND	ND	ND	ND	ND	ND	480
S - 65 4'	ND	ND	ND	ND	ND	ND	192
S - 66 4'	ND	ND	ND	28.6	ND	28.6	496
S - 67 4'	ND	ND	ND	ND	ND	ND	<b>1040</b>
S - 68 4'	ND	ND	ND	ND	ND	ND	144
S - 69 4'	ND	ND	ND	ND	ND	ND	160
S - 70 4'	ND	ND	ND	ND	ND	ND	576
S - 71 4'	ND	ND	ND	ND	ND	ND	544
S - 72 4'	ND	ND	ND	ND	ND	ND	48

## 6-4-25 Soil Sampling Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')							
Sample Date 06-04-25	Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg				Closure Criteria ≤ 100 mg/kg	Closure Criteria ≤ 600 mg/kg
Sample ID	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
S - 4 10'	ND	ND	ND	ND	ND	ND	48
S - 8 10'	ND	ND	ND	ND	ND	ND	ND
S - 21 10'	ND	ND	ND	ND	ND	ND	32
S - 22 10'	ND	ND	ND	ND	ND	ND	32
S - 23 10'	ND	ND	ND	ND	ND	ND	ND
S - 24 10'	ND	ND	ND	ND	ND	ND	32
S - 25 10'	ND	ND	ND	ND	ND	ND	32
S - 26 10'	ND	ND	ND	ND	ND	ND	16
S - 27 10'	ND	ND	ND	ND	ND	ND	16
S - 28 10'	ND	ND	ND	ND	ND	ND	32
S - 30 9'	ND	ND	ND	ND	ND	ND	16
S - 39 10'	ND	ND	ND	ND	ND	ND	80
S - 41 10'	ND	ND	ND	ND	ND	ND	96
S - 42 10'	ND	ND	ND	ND	ND	ND	64
S - 43 10'	ND	ND	ND	ND	ND	ND	80
S - 44 10'	ND	ND	ND	ND	ND	ND	80
S - 45 10'	ND	ND	ND	ND	ND	ND	32
S - 46 10'	ND	ND	ND	ND	ND	ND	80
S - 47 10'	ND	ND	ND	ND	ND	ND	80
S - 48 10'	ND	ND	ND	ND	ND	ND	96
S - 49 10'	ND	ND	ND	ND	ND	ND	96
S - 50 10'	ND	ND	ND	ND	ND	ND	80
S - 51 10'	ND	ND	ND	ND	ND	ND	48
S - 52 10'	ND	ND	ND	ND	ND	ND	80
S - 53 10'	ND	ND	ND	ND	ND	ND	64
S - 54 10'	ND	ND	ND	ND	ND	ND	64
S - 55 10'	ND	ND	ND	ND	ND	ND	80
S - 62 7'	ND	ND	ND	ND	ND	ND	32
S - 63 7'	ND	ND	ND	ND	ND	ND	16
S - 64 7'	ND	ND	ND	ND	ND	ND	96
S - 65 7'	ND	ND	ND	ND	ND	ND	112
S - 66 7'	ND	ND	ND	ND	ND	ND	16
S - 67 8'	ND	ND	ND	ND	ND	ND	16
S - 68 8'	ND	ND	ND	ND	ND	ND	32
S - 69 8'	ND	ND	ND	ND	ND	ND	32
S - 70 8'	ND	ND	ND	ND	ND	ND	32
S - 71 8'	ND	ND	ND	ND	ND	ND	32
S - 72 7'	ND	ND	ND	ND	ND	ND	32

ND - Analyte Not Detected

If you have any questions or need any additional information, please feel free to contact Chris Jones by phone or email.

Respectfully,



Chris Jones  
Environmental Professional  
Paragon Environmental, LLC



Tristan Jones  
Project Manager  
Paragon Environmental, LLC

**Attachments**

**Figures:**

- 1- Site Map
- 2- Topo Map
- 3- Karst Map
- 4- Wetlands Map
- 5- Confirmation Sample Map
- 6- Phase II Excavation Map
- 7- Distance to POD Map

**Appendices:**

- Appendix A – Referenced Water Surveys
- Appendix B – Soil Survey and FEMA Flood Map
- Appendix C - Photographic Documentation, NMOCD Sample Notification and Laboratory Results





Figures:

- 1-Site Map
- 2- TOPO Map
- 3- Karst Map
- 4- Wetlands Map
- 5- Confirmation Sample Map
- 6- Phase II Excavation Map
- 7- Distance to POD Map



Batman 1 CTB  
API # N/A  
Lea County, NM  
Site Map

**Legend**

- Batman CTB 1 32.57707,-103.60237
- SP1 & SP2 4' Area / 6750 SF / 1000 CY
- SP5 2' Area / 5500 SF / 410 CY
- SP6 1' Area / 3600 SF / 135 CY

Batman CTB 1 32.57707,-103.60237

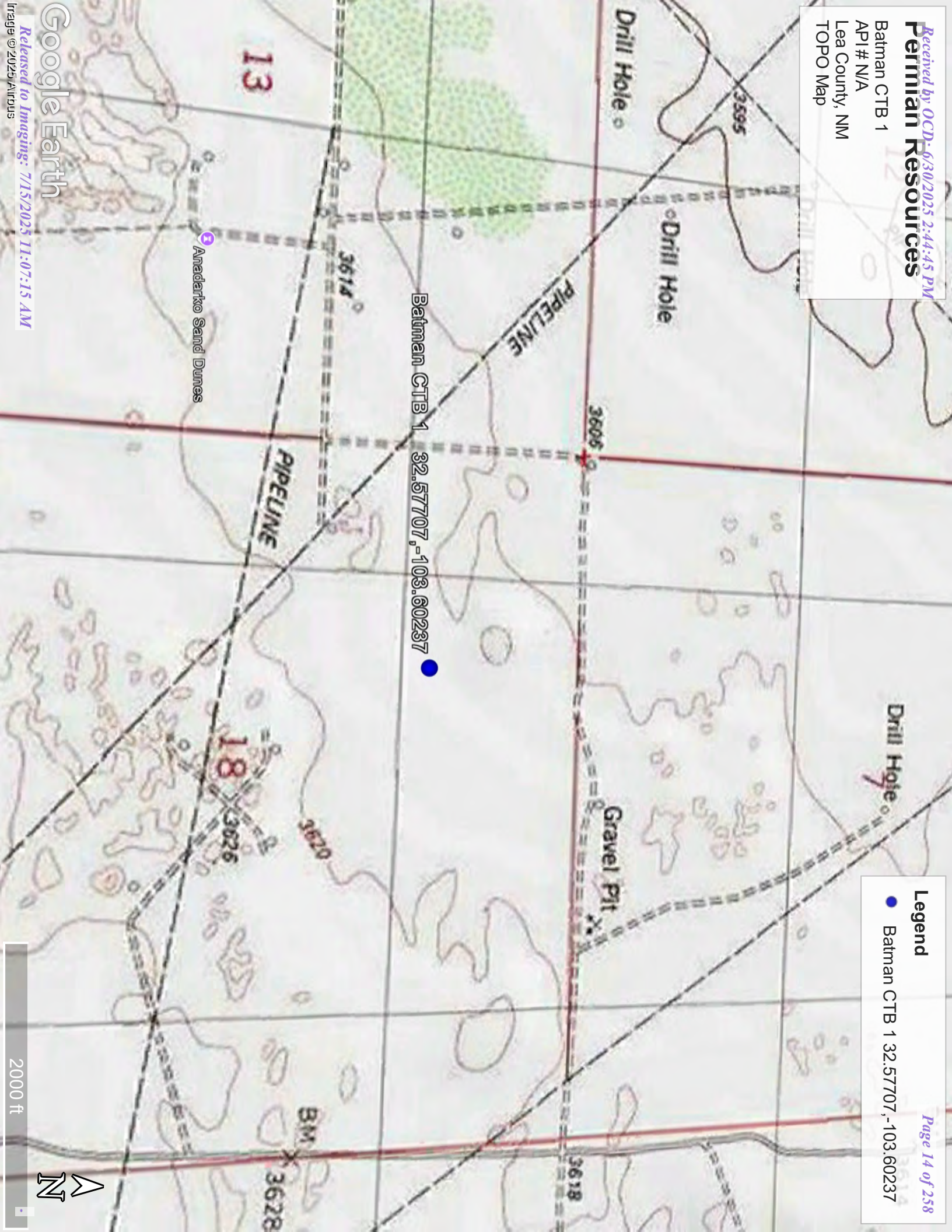




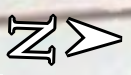
Batman CTB 1  
API # N/A  
Lea County, NM  
TOPO Map

**Legend**

- Batman CTB 1 32.57707,-103.60237



Anadarko Sand Dunes



2000 ft



Batman CTB 1  
API # N/A  
Lea County, NM  
Karst Map

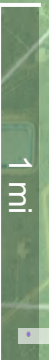
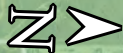
**Legend**

- Batman CTB 1 32.57707, -103.60237
- High
- Low
- Medium

Batman CTB 1 32.57707, -103.60237

Anadarko Sand Dunes

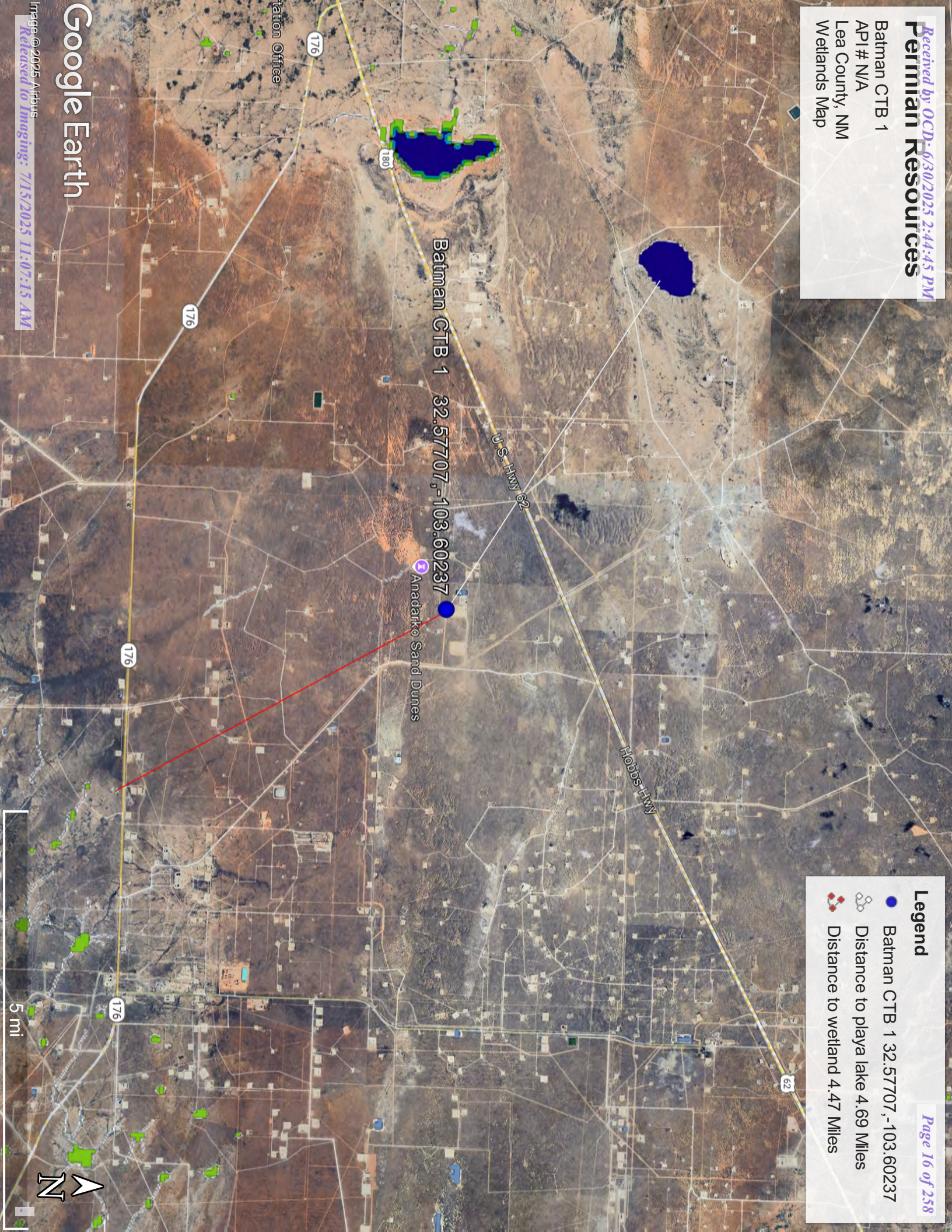
U.S. Hwy 62





Batman CTB 1  
API # N/A  
Lea County, NM  
Wetlands Map

- Batman CTB 1 32.57707, -103.60237
- Distance to playa lake 4.69 Miles
- Distance to wetland 4.47 Miles



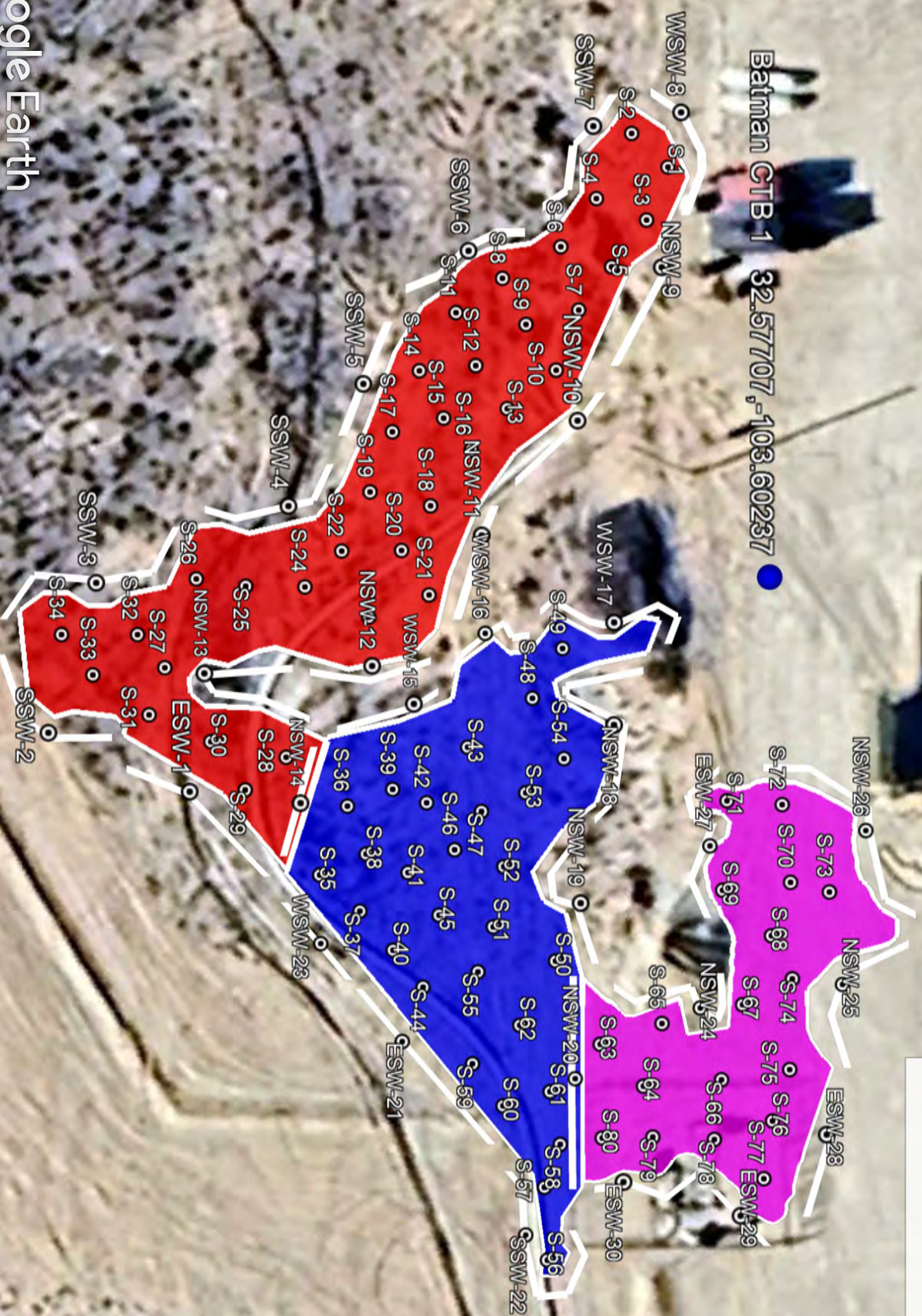
Google Earth



Batman CTB 1  
Lea County, NM  
Confirmation Sample Map

**Legend**

- Batman CTB 1 32.57707, -103.60237
- Bottom Confirmation Samples
- Sidewall Samples
- SP1 & SP2 4' Area / 6750 SF / 1000 CY
- SP5 2' Area / 5500 SF / 410 CY
- SP6 1' Area / 3600 SF / 135 CY



Batman CTB 1 32.57707, -103.60237



100 ft

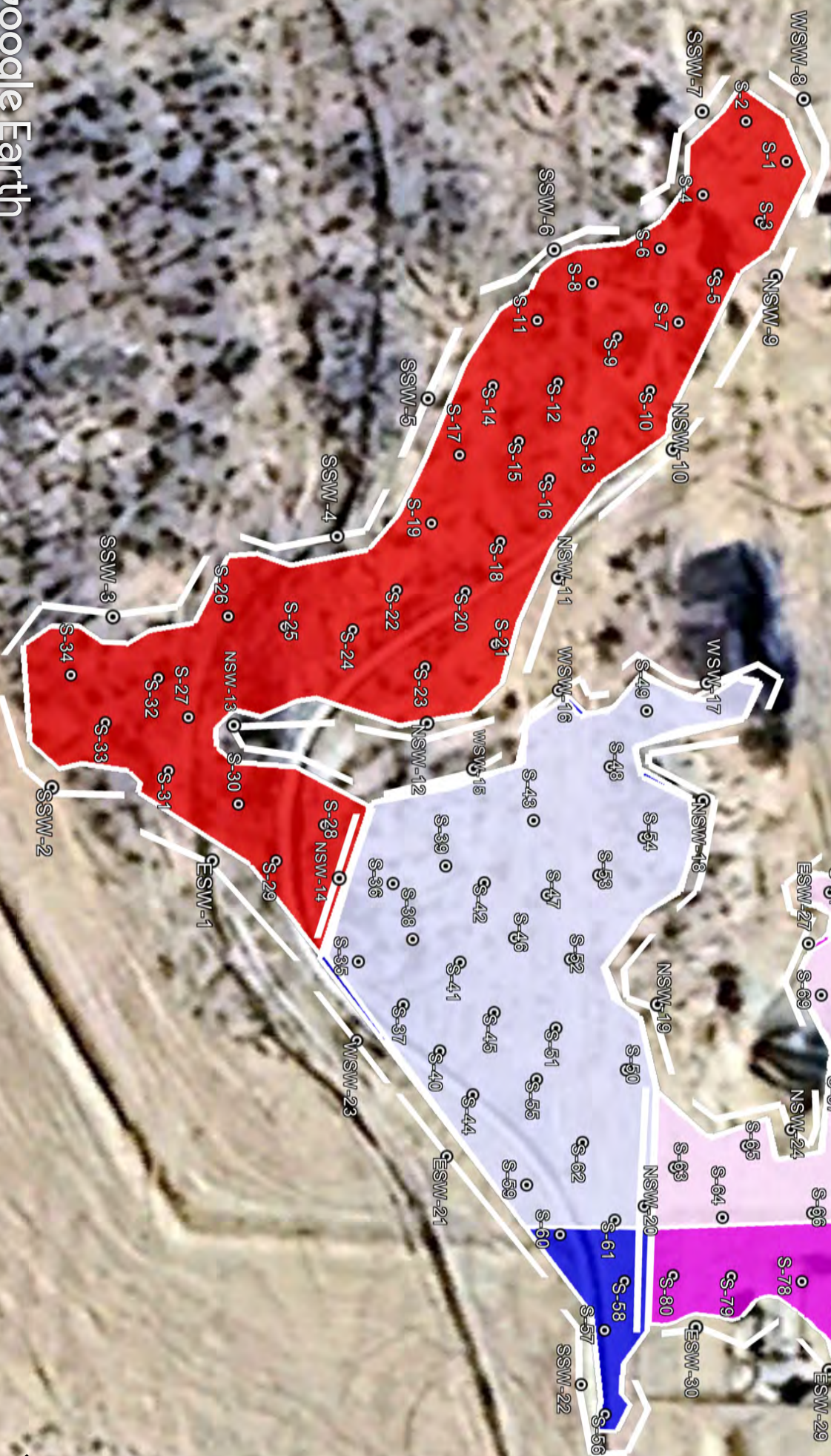


Batman CTB 1  
API # N/A  
Lea County, NM  
Phase II Excavation Map

**Legend**

- Additional Excavation Area 4' BGS / 7100 SF / 587 CY
- Batman CTB 1 32.57707, -103.60237

Batman CTB 1 32.57707, -103.60237





Batman CTB 1  
API # N/A  
Lea County, NM  
Distance to POD Map

**Legend**

- Batman CTB 1 32.57707, -103.60237
- ⊗ Distance to POD
- POD



32.57707, -103.60237  
Google Earth





Appendix A  
Referenced Water Data:

New Mexico State of Engineers Office

# 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 smallest to largest)													(NAD83 UTM in meters)													(In feet)													(In feet)													(In feet)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			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Average Depth to Water: 0 feet																
--------------------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Minimum Depth: 0 feet																
Maximum Depth: 0 feet																

Record Count: 2

UTM Filters (in meters):

Easting: 631186.489

Northing: 3605263.367

Radius: 1600.0

\* 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.


5/6/25 9:36 AM MST

Water Column/Average Depth to Water

# Point of Diversion Summary

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

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
NA	CP 02041 POD1	SE	SE	SE	07	20S	34E	632121.6	3605746.1	

\* UTM location was derived from PLSS - see Help


Driller License:	1862	Driller Company:	H&R ENTERPRISES, LLC
Driller Name:	HAWLEY, JAMES CODYELALL OFF		
Drill Start Date:	2024-11-21	Drill Finish Date:	2024-11-21
Plug Date:	2024-11-27		
Log File Date:	2024-12-03	PCW Rcv Date:	Source:
Pump Type:	Pipe Discharge Size:	Estimated Yield:	
Casing Size:	Depth Well:	105	Depth Water:

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

# Point of Diversion Summary

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

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 00750 POD1		SW	SE	07	20S	34E	631639.0	3605834.0 *	

\* UTM location was derived from PLSS - see Help

Driller License:	421	Driller Company:	GLENN'S WATER WELL SERVICE
------------------	-----	------------------	----------------------------

Driller Name:	GLENN, CLARK A."CORKY" (LD)
---------------	-----------------------------

Drill Start Date:	1990-06-20	Drill Finish Date:	1990-06-20	Plug Date:
-------------------	------------	--------------------	------------	------------

Log File Date:	1990-07-26	PCW Rcv Date:		Source:
----------------	------------	---------------	--	---------

Pump Type:		Pipe Discharge Size:		Estimated Yield:
------------	--	----------------------	--	------------------

Casing Size:		Depth Well:	320	Depth Water:
--------------	--	-------------	-----	--------------

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

5/6/25 9:37 AM MST

Point of Diversion Summary



Appendix B  
Soil Survey:

U.S.D.A.  
FEMA Flood Map

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

---

## Lea County, New Mexico

### PU—Pyote and Maljamar fine sands

#### Map Unit Setting

*National map unit symbol:* dmqq

*Elevation:* 3,000 to 3,900 feet

*Mean annual precipitation:* 10 to 12 inches

*Mean annual air temperature:* 60 to 62 degrees F

*Frost-free period:* 190 to 205 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Pyote and similar soils:* 46 percent

*Maljamar and similar soils:* 44 percent

*Minor components:* 10 percent

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

#### Description of Pyote

##### Setting

*Landform:* Plains

*Landform position (three-dimensional):* Rise

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Sandy eolian deposits derived from sedimentary rock

##### Typical profile

*A - 0 to 30 inches:* fine sand

*Bt - 30 to 60 inches:* fine sandy loam

##### Properties and qualities

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Runoff class:* Negligible

*Capacity of the most limiting layer to transmit water (Ksat):* High  
(2.00 to 6.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 5 percent

*Gypsum, maximum content:* 1 percent

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

*Sodium adsorption ratio, maximum:* 2.0

*Available water supply, 0 to 60 inches:* Low (about 5.1 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 6e



Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

---

*Land capability classification (nonirrigated): 7s*  
*Hydrologic Soil Group: A*  
*Ecological site: R070BD003NM - Loamy Sand*  
*Hydric soil rating: No*

### **Description of Maljamar**

#### **Setting**

*Landform: Plains*  
*Landform position (three-dimensional): Rise*  
*Down-slope shape: Linear*  
*Across-slope shape: Linear*  
*Parent material: Sandy eolian deposits derived from sedimentary rock*

#### **Typical profile**

*A - 0 to 24 inches: fine sand*  
*Bt - 24 to 50 inches: sandy clay loam*  
*Bkm - 50 to 60 inches: cemented material*

#### **Properties and qualities**

*Slope: 0 to 3 percent*  
*Depth to restrictive feature: 40 to 60 inches to petrocalcic*  
*Drainage class: Well drained*  
*Runoff class: Very low*  
*Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)*  
*Depth to water table: More than 80 inches*  
*Frequency of flooding: None*  
*Frequency of ponding: None*  
*Calcium carbonate, maximum content: 5 percent*  
*Gypsum, maximum content: 1 percent*  
*Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)*  
*Sodium adsorption ratio, maximum: 2.0*  
*Available water supply, 0 to 60 inches: Low (about 5.6 inches)*

#### **Interpretive groups**

*Land capability classification (irrigated): 6e*  
*Land capability classification (nonirrigated): 7e*  
*Hydrologic Soil Group: B*  
*Ecological site: R070BD003NM - Loamy Sand*  
*Hydric soil rating: No*

### **Minor Components**

#### **Kermit**

*Percent of map unit: 10 percent*  
*Ecological site: R070BC022NM - Sandhills*

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

---

*Hydric soil rating:* No

## Data Source Information

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 21, Sep 3, 2024

# National Flood Hazard Layer FIRMette





103°36'27"W 32°34'53"N















## Legend




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


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

 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

<b>OTHER AREAS OF FLOOD HAZARD</b>	 NO SCREEN Area of Minimal Flood Hazard Zone X
<b>OTHER AREAS</b>	 Effective LOMRs Area of Undetermined Flood Hazard Zone D
<b>GENERAL STRUCTURES</b>	 Channel, Culvert, or Storm Sewer  Levee, Dike, or Floodwall

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

<b>MAP PANELS</b>	 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 5/6/2025 at 3:16 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:

Photographic  
Documentation

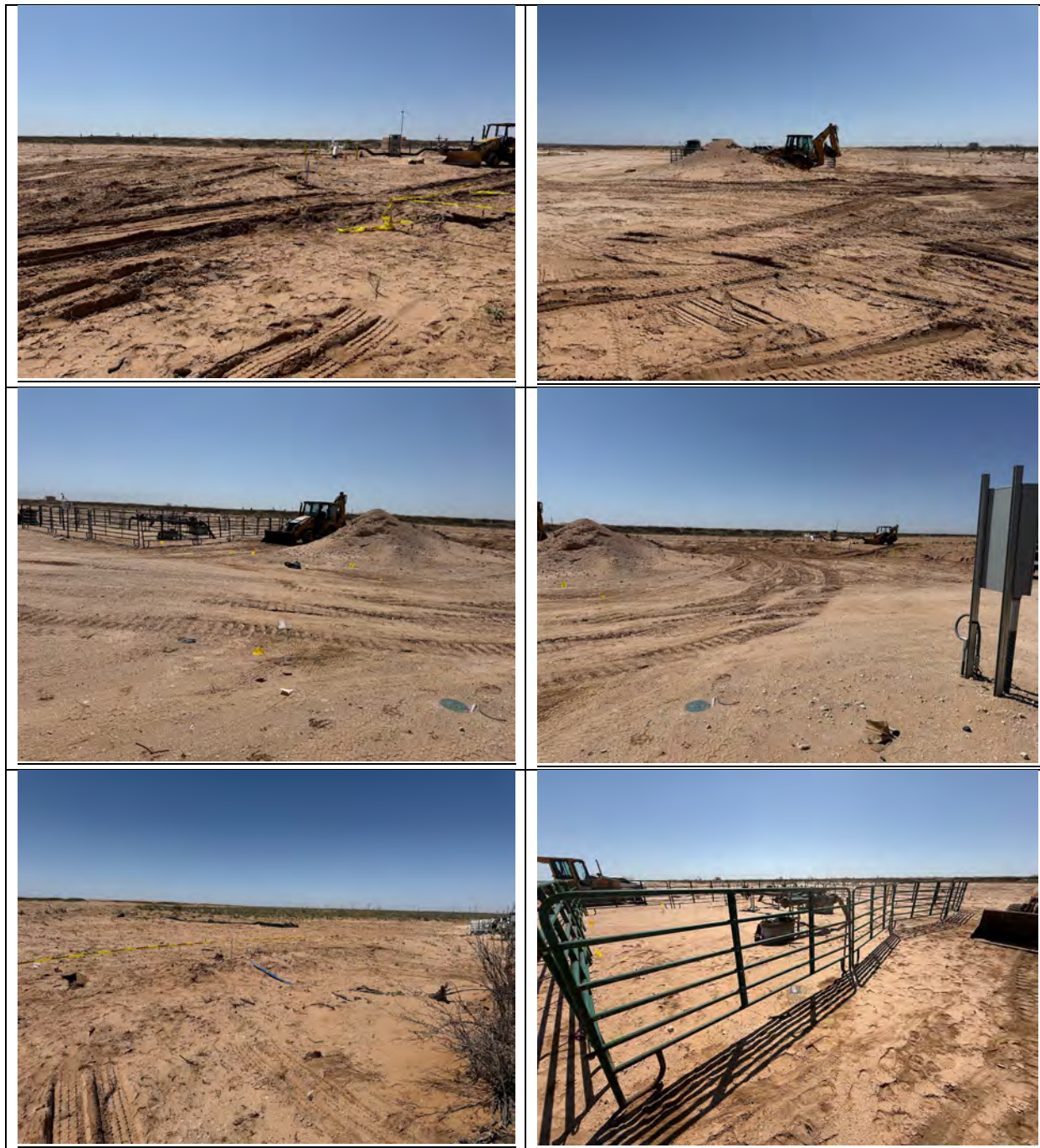
NMOCD Email  
Notification

Laboratory Results





**Photographic Documentation  
Before**







**Photographic Documentation  
During**



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:	453270	Districts:	Hobbs
Operator:	[372165] Permian Resources Operating, LLC	Counties:	Lea
Description:	Permian Resources Operating, LLC [372165] , Batman CTB 1 , nAPP2504336953		
Status:	APPROVED		
Status Date:	04/17/2025		
References (2):	fAPP2317035109, nAPP2504336953		

Foms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2504336953
Incident Name	NAPP2504336953 BATMAN CTB 1 @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2317035109] BATMAN CTB 1

Location of Release Source

Site Name	Batman CTB 1
Date Release Discovered	02/12/2025
Surface Owner	Private

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	22,000
What is the estimated number of samples that will be gathered	110
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/21/2025
Time sampling will commence	08:00 AM
<div>Warning: Notification can not be less than two business days prior to conducting final sampling.</div>	
Please provide any information necessary for observers to contact samplers	Tristan Jones 575.318.6841
Please provide any information necessary for navigation to sampling site	GPS:32.576578,-103.602642



Searches    Operator Data    Hearing Fee Application

Comments

No comments found for this submission.

Conditions

**Summary:**         *mtaylorpr (4/17/2025)*, Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

Go Back

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:	468839	Districts:	Hobbs
Operator:	[372165] Permian Resources Operating, LLC	Counties:	Lea
Description:	Permian Resources Operating, LLC [372165] , Batman CTB 1 , nAPP2504336953		
Status:	APPROVED		
Status Date:	05/29/2025		
References (2):	fAPP2317035109, nAPP2504336953		

Foms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2504336953
Incident Name	NAPP2504336953 BATMAN CTB 1 @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2317035109] BATMAN CTB 1

Location of Release Source

Site Name	Batman CTB 1
Date Release Discovered	02/12/2025
Surface Owner	Private

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	13,000
What is the estimated number of samples that will be gathered	65
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/03/2025
Time sampling will commence	08:00 AM
<div>Warning: Notification can not be less than two business days prior to conducting final sampling.</div>	
Please provide any information necessary for observers to contact samplers	Tristan Jones 575.318.6841
Please provide any information necessary for navigation to sampling site	32.576578,-103.602642

Comments

No comments found for this submission.

Conditions

**Summary:**                    *mtaylorpr (5/29/2025)*, Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

Go Back



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

April 29, 2025

CHRIS JONES

PARAGON ENVIROMENTAL

1601 N TURNER ST., STE 500

HOBBS, NM 88240

RE: BATMAN 1 CTB

Enclosed are the results of analyses for samples received by the laboratory on 04/23/25 8:51.

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](http://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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 1 4' (H252427-01)**

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	04/25/2025	ND	2.25	113	2.00	2.44	
Toluene*	<0.050	0.050	04/25/2025	ND	2.24	112	2.00	3.16	
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.29	114	2.00	2.27	
Total Xylenes*	<0.150	0.150	04/25/2025	ND	6.52	109	6.00	2.15	
Total BTX	<0.300	0.300	04/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 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	128	16.0	04/24/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/24/2025	ND	190	95.2	200	0.846	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	189	94.3	200	0.872	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 99.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 2 4' (H252427-02)**

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	04/25/2025	ND	2.25	113	2.00	2.44		
Toluene*	<0.050	0.050	04/25/2025	ND	2.24	112	2.00	3.16		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.29	114	2.00	2.27		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	6.52	109	6.00	2.15		
Total BTEx	<0.300	0.300	04/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	432	16.0	04/24/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/24/2025	ND	190	95.2	200	0.846	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	189	94.3	200	0.872	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 97.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.3 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 3 4' (H252427-03)**

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	04/25/2025	ND	2.25	113	2.00	2.44		
Toluene*	<0.050	0.050	04/25/2025	ND	2.24	112	2.00	3.16		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.29	114	2.00	2.27		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	6.52	109	6.00	2.15		
Total BTX	<0.300	0.300	04/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 127 % 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	464	16.0	04/24/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/24/2025	ND	190	95.2	200	0.846	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	189	94.3	200	0.872	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 95.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.6 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 4 4' (H252427-04)**

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	04/25/2025	ND	2.25	113	2.00	2.44		
Toluene*	<0.050	0.050	04/25/2025	ND	2.24	112	2.00	3.16		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.29	114	2.00	2.27		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	6.52	109	6.00	2.15		
Total BTX	<0.300	0.300	04/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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	624	16.0	04/24/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/24/2025	ND	190	95.2	200	0.846	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	189	94.3	200	0.872	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 89.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.0 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 5 4' (H252427-05)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2025	ND	2.25	113	2.00	2.44		
Toluene*	<0.050	0.050	04/25/2025	ND	2.24	112	2.00	3.16		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.29	114	2.00	2.27		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	6.52	109	6.00	2.15		
Total BTX	<0.300	0.300	04/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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	240	16.0	04/24/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/24/2025	ND	190	95.2	200	0.846	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	189	94.3	200	0.872	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 89.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.1 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 6 4' (H252427-06)**

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	04/26/2025	ND	2.25	113	2.00	2.44		
Toluene*	<0.050	0.050	04/26/2025	ND	2.24	112	2.00	3.16		
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.29	114	2.00	2.27		
Total Xylenes*	<0.150	0.150	04/26/2025	ND	6.52	109	6.00	2.15		
Total BTX	<0.300	0.300	04/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 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	496	16.0	04/24/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/24/2025	ND	190	95.2	200	0.846	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	189	94.3	200	0.872	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 98.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 7 4' (H252427-07)**

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	04/25/2025	ND	2.15	108	2.00	0.654		
Toluene*	<0.050	0.050	04/25/2025	ND	2.25	113	2.00	1.28		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.06	103	2.00	0.153		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	6.21	103	6.00	1.16		
Total BTX	<0.300	0.300	04/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	592	16.0	04/24/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/24/2025	ND	190	95.2	200	0.846	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	189	94.3	200	0.872	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 92.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.2 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 8 4' (H252427-08)**

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	04/25/2025	ND	2.15	108	2.00	0.654		
Toluene*	<0.050	0.050	04/25/2025	ND	2.25	113	2.00	1.28		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.06	103	2.00	0.153		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	6.21	103	6.00	1.16		
Total BTX	<0.300	0.300	04/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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	688	16.0	04/24/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/24/2025	ND	190	95.2	200	0.846	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	189	94.3	200	0.872	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 96.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.9 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 9 4' (H252427-09)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2025	ND	2.15	108	2.00	0.654		
Toluene*	<0.050	0.050	04/25/2025	ND	2.25	113	2.00	1.28		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.06	103	2.00	0.153		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	6.21	103	6.00	1.16		
Total BTX	<0.300	0.300	04/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	576	16.0	04/24/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/24/2025	ND	190	95.2	200	0.846	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	189	94.3	200	0.872	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 93.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.2 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 10 4' (H252427-10)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2025	ND	2.15	108	2.00	0.654		
Toluene*	<0.050	0.050	04/25/2025	ND	2.25	113	2.00	1.28		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.06	103	2.00	0.153		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	6.21	103	6.00	1.16		
Total BTX	<0.300	0.300	04/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	576	16.0	04/24/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/24/2025	ND	190	95.2	200	0.846	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	189	94.3	200	0.872	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 96.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 100 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 11 4' (H252427-11)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2025	ND	2.15	108	2.00	0.654		
Toluene*	<0.050	0.050	04/25/2025	ND	2.25	113	2.00	1.28		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.06	103	2.00	0.153		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	6.21	103	6.00	1.16		
Total BTX	<0.300	0.300	04/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	352	16.0	04/24/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/24/2025	ND	190	95.2	200	0.846	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	189	94.3	200	0.872	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 96.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 100 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 12 4' (H252427-12)**

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	04/25/2025	ND	2.15	108	2.00	0.654		
Toluene*	<0.050	0.050	04/25/2025	ND	2.25	113	2.00	1.28		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.06	103	2.00	0.153		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	6.21	103	6.00	1.16		
Total BTX	<0.300	0.300	04/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	96.0	16.0	04/24/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/24/2025	ND	190	94.9	200	2.32	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	89.1	200	0.783	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 117 % 44.4-145

Surrogate: 1-Chlorooctadecane 115 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 13 4' (H252427-13)**

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	04/25/2025	ND	2.15	108	2.00	0.654		
Toluene*	<0.050	0.050	04/25/2025	ND	2.25	113	2.00	1.28		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.06	103	2.00	0.153		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	6.21	103	6.00	1.16		
Total BTEX	<0.300	0.300	04/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	240	16.0	04/24/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/24/2025	ND	190	94.9	200	2.32	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	89.1	200	0.783	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 117 % 44.4-145

Surrogate: 1-Chlorooctadecane 114 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 14 4' (H252427-14)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2025	ND	2.15	108	2.00	0.654		
Toluene*	<0.050	0.050	04/25/2025	ND	2.25	113	2.00	1.28		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.06	103	2.00	0.153		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	6.21	103	6.00	1.16		
Total BTX	<0.300	0.300	04/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	256	16.0	04/24/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/24/2025	ND	190	94.9	200	2.32	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	89.1	200	0.783	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 109 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 15 4' (H252427-15)**

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	04/25/2025	ND	2.15	108	2.00	0.654		
Toluene*	<0.050	0.050	04/25/2025	ND	2.25	113	2.00	1.28		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.06	103	2.00	0.153		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	6.21	103	6.00	1.16		
Total BTX	<0.300	0.300	04/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	224	16.0	04/24/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/24/2025	ND	190	94.9	200	2.32	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	89.1	200	0.783	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 99.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 16 4' (H252427-16)**

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	04/25/2025	ND	2.15	108	2.00	0.654		
Toluene*	<0.050	0.050	04/25/2025	ND	2.25	113	2.00	1.28		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.06	103	2.00	0.153		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	6.21	103	6.00	1.16		
Total BTEx	<0.300	0.300	04/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	04/24/2025	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	04/24/2025	ND	190	94.9	200	2.32	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	89.1	200	0.783	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 17 4' (H252427-17)**

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	04/25/2025	ND	2.15	108	2.00	0.654		
Toluene*	<0.050	0.050	04/25/2025	ND	2.25	113	2.00	1.28		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.06	103	2.00	0.153		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	6.21	103	6.00	1.16		
Total BTX	<0.300	0.300	04/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	04/24/2025	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	04/24/2025	ND	190	94.9	200	2.32	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	89.1	200	0.783	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 98.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.3 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 18 4' (H252427-18)**

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	04/25/2025	ND	2.15	108	2.00	0.654		
Toluene*	<0.050	0.050	04/25/2025	ND	2.25	113	2.00	1.28		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.06	103	2.00	0.153		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	6.21	103	6.00	1.16		
Total BTX	<0.300	0.300	04/25/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	04/24/2025	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	04/24/2025	ND	190	94.9	200	2.32	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	89.1	200	0.783	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.6 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 19 4' (H252427-19)**

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	04/25/2025	ND	2.15	108	2.00	0.654		
Toluene*	<0.050	0.050	04/25/2025	ND	2.25	113	2.00	1.28		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.06	103	2.00	0.153		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	6.21	103	6.00	1.16		
Total BTX	<0.300	0.300	04/25/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	04/24/2025	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	04/24/2025	ND	190	94.9	200	2.32	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	89.1	200	0.783	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.5 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 20 4' (H252427-20)**

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	04/25/2025	ND	2.15	108	2.00	0.654		
Toluene*	<0.050	0.050	04/25/2025	ND	2.25	113	2.00	1.28		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.06	103	2.00	0.153		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	6.21	103	6.00	1.16		
Total BTX	<0.300	0.300	04/25/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	04/24/2025	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	04/24/2025	ND	190	94.9	200	2.32	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	89.1	200	0.783	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 107 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 21 4' (H252427-21)**

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	04/25/2025	ND	2.15	108	2.00	0.654		
Toluene*	<0.050	0.050	04/25/2025	ND	2.25	113	2.00	1.28		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.06	103	2.00	0.153		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	6.21	103	6.00	1.16		
Total BTX	<0.300	0.300	04/25/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3600	16.0	04/24/2025	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	04/24/2025	ND	190	94.9	200	2.32	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	89.1	200	0.783	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 93.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.9 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 22 4' (H252427-22)**

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	04/25/2025	ND	2.15	108	2.00	0.654		
Toluene*	<0.050	0.050	04/25/2025	ND	2.25	113	2.00	1.28		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.06	103	2.00	0.153		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	6.21	103	6.00	1.16		
Total BTX	<0.300	0.300	04/25/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3280	16.0	04/24/2025	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	04/24/2025	ND	190	94.9	200	2.32	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	89.1	200	0.783	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 96.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.6 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 23 4' (H252427-23)**

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	04/25/2025	ND	2.15	108	2.00	0.654		
Toluene*	<0.050	0.050	04/25/2025	ND	2.25	113	2.00	1.28		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.06	103	2.00	0.153		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	6.21	103	6.00	1.16		
Total BTX	<0.300	0.300	04/25/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4440	16.0	04/24/2025	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	04/24/2025	ND	190	94.9	200	2.32	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	89.1	200	0.783	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 98.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.1 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 24 4' (H252427-24)**

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	04/25/2025	ND	2.15	108	2.00	0.654		
Toluene*	<0.050	0.050	04/25/2025	ND	2.25	113	2.00	1.28		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.06	103	2.00	0.153		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	6.21	103	6.00	1.16		
Total BTX	<0.300	0.300	04/25/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3520	16.0	04/24/2025	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	04/24/2025	ND	190	94.9	200	2.32	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	89.1	200	0.783	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 114 % 44.4-145

Surrogate: 1-Chlorooctadecane 111 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 25 4' (H252427-25)**

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	04/25/2025	ND	2.15	108	2.00	0.654		
Toluene*	<0.050	0.050	04/25/2025	ND	2.25	113	2.00	1.28		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.06	103	2.00	0.153		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	6.21	103	6.00	1.16		
Total BTX	<0.300	0.300	04/25/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3760	16.0	04/24/2025	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	04/24/2025	ND	190	94.9	200	2.32	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	89.1	200	0.783	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 26 4' (H252427-26)**

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	04/25/2025	ND	2.15	108	2.00	0.654		
Toluene*	<0.050	0.050	04/25/2025	ND	2.25	113	2.00	1.28		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.06	103	2.00	0.153		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	6.21	103	6.00	1.16		
Total BTX	<0.300	0.300	04/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3640	16.0	04/24/2025	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	04/24/2025	ND	190	94.9	200	2.32	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	89.1	200	0.783	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 117 % 44.4-145

Surrogate: 1-Chlorooctadecane 112 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 27 4' (H252427-27)**

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	04/25/2025	ND	2.04	102	2.00	0.682		
Toluene*	<0.050	0.050	04/25/2025	ND	1.94	97.2	2.00	1.20		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	1.91	95.6	2.00	1.12		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	5.86	97.6	6.00	1.36		
Total BTEx	<0.300	0.300	04/25/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3680	16.0	04/24/2025	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	04/24/2025	ND	190	94.9	200	2.32	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	89.1	200	0.783	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.4 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 28 4' (H252427-28)**

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	04/25/2025	ND	2.04	102	2.00	0.682		
Toluene*	<0.050	0.050	04/25/2025	ND	1.94	97.2	2.00	1.20		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	1.91	95.6	2.00	1.12		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	5.86	97.6	6.00	1.36		
Total BTX	<0.300	0.300	04/25/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4120	16.0	04/24/2025	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	04/24/2025	ND	190	94.9	200	2.32	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	89.1	200	0.783	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 29 4' (H252427-29)**

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	04/25/2025	ND	2.04	102	2.00	0.682		
Toluene*	<0.050	0.050	04/25/2025	ND	1.94	97.2	2.00	1.20		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	1.91	95.6	2.00	1.12		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	5.86	97.6	6.00	1.36		
Total BTEx	<0.300	0.300	04/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	04/24/2025	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	04/24/2025	ND	190	94.9	200	2.32	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	89.1	200	0.783	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 99.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 30 4' (H252427-30)**

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	04/25/2025	ND	2.04	102	2.00	0.682		
Toluene*	<0.050	0.050	04/25/2025	ND	1.94	97.2	2.00	1.20		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	1.91	95.6	2.00	1.12		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	5.86	97.6	6.00	1.36		
Total BTEx	<0.300	0.300	04/25/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3840	16.0	04/24/2025	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	04/24/2025	ND	190	94.9	200	2.32	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	89.1	200	0.783	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 110 % 44.4-145

Surrogate: 1-Chlorooctadecane 108 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 31 4' (H252427-31)**

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	04/25/2025	ND	2.04	102	2.00	0.682		
Toluene*	<0.050	0.050	04/25/2025	ND	1.94	97.2	2.00	1.20		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	1.91	95.6	2.00	1.12		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	5.86	97.6	6.00	1.36		
Total BTX	<0.300	0.300	04/25/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/24/2025	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	04/24/2025	ND	190	94.9	200	2.32	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	89.1	200	0.783	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 100 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 32 4' (H252427-32)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2025	ND	2.04	102	2.00	0.682		
Toluene*	<0.050	0.050	04/25/2025	ND	1.94	97.2	2.00	1.20		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	1.91	95.6	2.00	1.12		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	5.86	97.6	6.00	1.36		
Total BTEX	<0.300	0.300	04/25/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/24/2025	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	04/24/2025	ND	180	89.9	200	1.42	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	88.9	200	0.201	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 82.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 33 4' (H252427-33)**

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	04/25/2025	ND	2.04	102	2.00	0.682		
Toluene*	<0.050	0.050	04/25/2025	ND	1.94	97.2	2.00	1.20		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	1.91	95.6	2.00	1.12		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	5.86	97.6	6.00	1.36		
Total BTX	<0.300	0.300	04/25/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/24/2025	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	04/24/2025	ND	180	89.9	200	1.42	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	88.9	200	0.201	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 82.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.8 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 34 4' (H252427-34)**

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	04/25/2025	ND	2.04	102	2.00	0.682		
Toluene*	<0.050	0.050	04/25/2025	ND	1.94	97.2	2.00	1.20		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	1.91	95.6	2.00	1.12		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	5.86	97.6	6.00	1.36		
Total BTX	<0.300	0.300	04/25/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/24/2025	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	04/24/2025	ND	180	89.9	200	1.42	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	88.9	200	0.201	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 83.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.9 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 35 2' (H252427-35)**

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	04/25/2025	ND	2.04	102	2.00	0.682		
Toluene*	<0.050	0.050	04/25/2025	ND	1.94	97.2	2.00	1.20		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	1.91	95.6	2.00	1.12		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	5.86	97.6	6.00	1.36		
Total BTX	<0.300	0.300	04/25/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	04/24/2025	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	04/24/2025	ND	180	89.9	200	1.42	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	88.9	200	0.201	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 82.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.2 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 36 2' (H252427-36)**

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	04/25/2025	ND	2.04	102	2.00	0.682		
Toluene*	<0.050	0.050	04/25/2025	ND	1.94	97.2	2.00	1.20		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	1.91	95.6	2.00	1.12		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	5.86	97.6	6.00	1.36		
Total BTX	<0.300	0.300	04/25/2025	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	320	16.0	04/24/2025	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	04/24/2025	ND	180	89.9	200	1.42	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	88.9	200	0.201	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 83.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.0 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 37 2' (H252427-37)**

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	04/25/2025	ND	2.04	102	2.00	0.682		
Toluene*	<0.050	0.050	04/25/2025	ND	1.94	97.2	2.00	1.20		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	1.91	95.6	2.00	1.12		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	5.86	97.6	6.00	1.36		
Total BTX	<0.300	0.300	04/25/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	04/24/2025	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	04/24/2025	ND	180	89.9	200	1.42	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	88.9	200	0.201	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 87.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.9 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 38 2' (H252427-38)**

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	04/25/2025	ND	2.04	102	2.00	0.682		
Toluene*	<0.050	0.050	04/25/2025	ND	1.94	97.2	2.00	1.20		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	1.91	95.6	2.00	1.12		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	5.86	97.6	6.00	1.36		
Total BTX	<0.300	0.300	04/25/2025	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	240	16.0	04/24/2025	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	04/24/2025	ND	180	89.9	200	1.42	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	88.9	200	0.201	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 82.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.2 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 39 2' (H252427-39)**

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	04/25/2025	ND	2.04	102	2.00	0.682		
Toluene*	<0.050	0.050	04/25/2025	ND	1.94	97.2	2.00	1.20		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	1.91	95.6	2.00	1.12		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	5.86	97.6	6.00	1.36		
Total BTX	<0.300	0.300	04/25/2025	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	4560	16.0	04/24/2025	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	04/24/2025	ND	180	89.9	200	1.42	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	88.9	200	0.201	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 76.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.6 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 40 2' (H252427-40)**

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	04/25/2025	ND	2.04	102	2.00	0.682		
Toluene*	<0.050	0.050	04/25/2025	ND	1.94	97.2	2.00	1.20		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	1.91	95.6	2.00	1.12		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	5.86	97.6	6.00	1.36		
Total BTX	<0.300	0.300	04/25/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/24/2025	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	04/24/2025	ND	180	89.9	200	1.42	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	88.9	200	0.201	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 81.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.5 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 41 2' (H252427-41)**

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	04/25/2025	ND	2.04	102	2.00	0.682		
Toluene*	<0.050	0.050	04/25/2025	ND	1.94	97.2	2.00	1.20		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	1.91	95.6	2.00	1.12		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	5.86	97.6	6.00	1.36		
Total BTEx	<0.300	0.300	04/25/2025	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	2320	16.0	04/24/2025	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	04/24/2025	ND	180	89.9	200	1.42	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	88.9	200	0.201	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 78.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.1 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 42 2' (H252427-42)**

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	04/25/2025	ND	2.04	102	2.00	0.682	
Toluene*	<0.050	0.050	04/25/2025	ND	1.94	97.2	2.00	1.20	
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	1.91	95.6	2.00	1.12	
Total Xylenes*	<0.150	0.150	04/25/2025	ND	5.86	97.6	6.00	1.36	
Total BTEx	<0.300	0.300	04/25/2025	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	2240	16.0	04/24/2025	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	04/24/2025	ND	180	89.9	200	1.42	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	88.9	200	0.201	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 77.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.0 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 43 2' (H252427-43)**

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	04/25/2025	ND	2.04	102	2.00	0.682		
Toluene*	<0.050	0.050	04/25/2025	ND	1.94	97.2	2.00	1.20		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	1.91	95.6	2.00	1.12		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	5.86	97.6	6.00	1.36		
Total BTX	<0.300	0.300	04/25/2025	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	2720	16.0	04/24/2025	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	04/24/2025	ND	180	89.9	200	1.42	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	88.9	200	0.201	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 79.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.3 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 44 2' (H252427-44)**

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	04/25/2025	ND	2.04	102	2.00	0.682		
Toluene*	<0.050	0.050	04/25/2025	ND	1.94	97.2	2.00	1.20		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	1.91	95.6	2.00	1.12		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	5.86	97.6	6.00	1.36		
Total BTEX	<0.300	0.300	04/25/2025	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	1650	16.0	04/24/2025	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	04/24/2025	ND	180	89.9	200	1.42	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	88.9	200	0.201	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 85.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.8 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 45 2' (H252427-45)**

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	04/25/2025	ND	2.04	102	2.00	0.682		
Toluene*	<0.050	0.050	04/25/2025	ND	1.94	97.2	2.00	1.20		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	1.91	95.6	2.00	1.12		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	5.86	97.6	6.00	1.36		
Total BTX	<0.300	0.300	04/25/2025	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	1520	16.0	04/24/2025	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	04/24/2025	ND	180	89.9	200	1.42	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	88.9	200	0.201	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 80.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.4 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 46 2' (H252427-46)**

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	04/25/2025	ND	2.04	102	2.00	0.682		
Toluene*	<0.050	0.050	04/25/2025	ND	1.94	97.2	2.00	1.20		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	1.91	95.6	2.00	1.12		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	5.86	97.6	6.00	1.36		
Total BTX	<0.300	0.300	04/25/2025	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	1840	16.0	04/24/2025	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	04/24/2025	ND	180	89.9	200	1.42	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	88.9	200	0.201	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 77.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.8 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 47 2' (H252427-47)**

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	04/25/2025	ND	2.14	107	2.00	6.30		
Toluene*	<0.050	0.050	04/25/2025	ND	2.23	112	2.00	6.90		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.38	119	2.00	7.43		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	7.24	121	6.00	7.73		
Total BTEx	<0.300	0.300	04/25/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1480	16.0	04/24/2025	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	04/24/2025	ND	180	89.9	200	1.42	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	88.9	200	0.201	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 84.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.8 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 48 2' (H252427-48)**

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	04/25/2025	ND	2.14	107	2.00	6.30		
Toluene*	<0.050	0.050	04/25/2025	ND	2.23	112	2.00	6.90		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.38	119	2.00	7.43		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	7.24	121	6.00	7.73		
Total BTEx	<0.300	0.300	04/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	1470	16.0	04/24/2025	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	04/24/2025	ND	180	89.9	200	1.42	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	88.9	200	0.201	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 82.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.3 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 49 2' (H252427-49)**

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	04/25/2025	ND	2.14	107	2.00	6.30		
Toluene*	<0.050	0.050	04/25/2025	ND	2.23	112	2.00	6.90		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.38	119	2.00	7.43		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	7.24	121	6.00	7.73		
Total BTEx	<0.300	0.300	04/25/2025	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	1650	16.0	04/24/2025	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	04/24/2025	ND	180	89.9	200	1.42	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	88.9	200	0.201	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 86.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.0 % 40.6-153

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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: 04/23/2025  
Reported: 04/29/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Location: LEA COUNTY

Sampling Date: 04/21/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 50 2' (H252427-50)**

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	04/25/2025	ND	2.14	107	2.00	6.30		
Toluene*	<0.050	0.050	04/25/2025	ND	2.23	112	2.00	6.90		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.38	119	2.00	7.43		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	7.24	121	6.00	7.73		
Total BTEx	<0.300	0.300	04/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1880	16.0	04/24/2025	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	04/24/2025	ND	180	89.9	200	1.42	
DRO >C10-C28*	<10.0	10.0	04/24/2025	ND	178	88.9	200	0.201	
EXT DRO >C28-C36	<10.0	10.0	04/24/2025	ND					

Surrogate: 1-Chlorooctane 84.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.6 % 40.6-153

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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

- QM-07      The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND      Analyte NOT DETECTED at or above the reporting limit
- RPD      Relative Percent Difference
- \*\*      Samples not received at proper temperature of 6°C or below.
- \*\*\*      Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



**CARDINAL**  
Laboratories

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

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> Paragon Environmental <b>Project Manager:</b> Chris Jones <b>Address:</b> 1601 N. Turner St., Ste 500 <b>City:</b> Hobbs <b>State:</b> NM <b>zip:</b> 88240 <b>Phone #:</b> 575-964-7814 <b>Fax #:</b> <b>Project #:</b> <b>Project Name:</b> Batman 1 CTB <b>Project Location:</b> Lea County <b>Sample Name:</b> Francisco Roberts <small>FOR LAB USE ONLY</small>				<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> Pelmar <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>			
<b>Lab I.D.</b>  <b>Sample I.D.</b>		<b>(G)RAB OR (C)OMP.</b> <b># CONTAINERS</b> <b>GROUNDWATER</b> <b>WASTEWATER</b> <b>SOIL</b> <b>OIL</b> <b>SLUDGE</b> <b>OTHER :</b> <b>ACID/BASE:</b> <b>ICE / COOL</b> <b>OTHER :</b>		<b>MATRIX</b> <b>PRESERV</b> <b>SAMPLING</b>			
1 5-1 4' 2 5-2 4' 3 5-3 4' 4 5-4 4' 5 5-5 4' 6 5-6 4' 7 5-7 4' 8 5-8 4' 9 5-9 4' 10 5-10 4'		6 1 1 1 1 1 1 1 1 1		DATE TIME 4/21 11:00 11:00 11:00 11:00 11:00 11:00 11:00 11:00 11:00			
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<b>Relinquished By:</b> [Signature] <b>Date:</b> 4/23/05 <b>Time:</b> 0851		<b>Received By:</b> [Signature] <b>Date:</b> 4/23/05 <b>Time:</b> 0851					
<b>Delivered By:</b> (Circle One) 14.02 CTO-3 <b>Sampler - UPS - Bus - Other:</b> -13.72 #140		<b>Sample Condition</b> Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <b>CHECKED BY:</b> [Signature]					
<b>REMARKS:</b> TPH BTEX CHLORIDES							





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

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> Paragon Environmental				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>			
<b>Project Manager:</b> Chris Jones				<b>P.O. #:</b>							
<b>Address:</b> 1601 N. Turner St., Ste 500				<b>Company:</b> 't'							
<b>City:</b> Hobbs				<b>Attn:</b>							
<b>Phone #:</b> 575-964-7814				<b>State:</b> NM <b>zip:</b> 88240							
<b>Fax #:</b>				<b>Address:</b>							
<b>Project #:</b>				<b>City:</b>							
<b>Project Location:</b> 't'				<b>State:</b>				<b>Zip:</b>			
<b>Sample Name:</b> 't'				<b>Phone #:</b>							
<b>Fax #:</b>											

FOR LAB USE ONLY		MATRIX		PRESERV.	SAMPLING
<b>Lab I.D.</b>	<b>Sample I.D.</b>	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER
				SOIL	OIL
				SLUDGE	OTHER :
				ACID/BASE:	ICE / COOL
				OTHER :	
				DATE	TIME

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<b>Relinquished By:</b>	<b>Date:</b>	<b>Received By:</b>	<b>Phone Result:</b>	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<b>Add'l Phone #:</b>
			<b>Fax Result:</b>	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<b>Add'l Fax #:</b>
<b>REMARKS:</b>						





**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**Company Name:** Paragon Environmental  
**Project Manager:** Cason Spurlock  
**Address:** 5002 Carriage Rd  
**City:** Hobbs  
**State:** NM **zip:** 88242  
**Phone #:** 575-631-6977  
**Fax #:**  
**Project #:**  
**Project Owner:**  
**Project Name:** " "  
**Project Location:** " "  
**Sample Name:** " "

**P.O. #:**  
**Company:** " "  
**Attn:**  
**Address:**  
**City:**  
**State:** **Zip:**  
**Phone #:**  
**Fax #:**

**FOR LAB USE ONLY**

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							PRESERV	SAMPLING	DATE	TIME	ANALYSIS REQUEST	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:						ICE / COOL
21	S-21	4'														TPH BTEX CHLORIDES
22	S-22	4'														
23	S-23	4'														
24	S-24	4'														
25	S-25	4'														
26	S-26	4'														
27	S-27	4'														
28	S-28	4'														
29	S-29	4'														
30	S-30	4'														

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**Relinquished By:** *[Signature]* **Date:** 4-23-25 **Received By:** *[Signature]* **Date:** 4-23-25

**Relinquished By:** *[Signature]* **Date:** 4-23-25 **Received By:** *[Signature]* **Date:** 4-23-25

**Delivered By:** (Circle One) **-14.0: CTD.3:** **Sample Condition:** Cool ☒ Intact ☐ **Checked By:** *[Signature]*

**Sampler - UPS - Bus - Other:** **-B.7: #140** **Yes** ☒ **No** ☐ **REMARKS:**

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental  
Project Manager: Chris Jones

Address: 1601 N. Turner St., Ste 500

City: Hobbs

State: NM Zip: 88240

Phone #: 575-964-7814

Fax #:

Project #:

Project Owner:

Project Name:

Project Location:

Sampler Name:

BILL TO

P.O. #:

Company:

Attn:

Address:

City:

State:

Zip:

Phone #:

Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D. Sample I.D.

113534 37

31

32

33

34

35

36

37

38

39

40

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE TIME

6/1/21

TPH  
BTEX  
CHLORIDES

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Relinquished By:

Date: 6/3/21  
Time: 10:51

Received By:

Stadriguey

Relinquished By:

Date:

Received By:

Time:

Delivered By: (Circle One)

-14.0.0.0.3

Sampler - UPS - Bus - Other:

-13.7.0.0.140

Sample Condition  
Cool Intact  
Yes ☒ No ☐

CHECKED BY: (Initials)  
88

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

REMARKS:

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Laboratories

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

<b>Company Name:</b> Paragon Environmental			<b>BILL TO</b>			<b>ANALYSIS REQUEST</b>											
<b>Project Manager:</b> Chris Jones			<b>P.O. #:</b>														
<b>Address:</b> 1601 N. Turner St., Ste 500			<b>Company:</b> U <sup>1</sup>														
<b>City:</b> Hobbs			<b>Attn:</b>														
<b>Phone #:</b> 575-964-7814 <b>Fax #:</b>			<b>State:</b> NM <b>zip:</b> 88240														
<b>Project #:</b>			<b>Address:</b>														
<b>Project Name:</b> U <sup>1</sup>			<b>City:</b>														
<b>Project Location:</b> U <sup>1</sup>			<b>State:</b> <b>Zip:</b>														
<b>Sample Name:</b> U <sup>1</sup>			<b>Phone #:</b>														
<b>Fax #:</b>																	
<b>FOR LAB USE ONLY</b>																	
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	BTEX	CHLORIDES
HASADUN U <sup>1</sup>	S-41 Z <sup>1</sup>	G											4/21				
U <sup>2</sup>	S-42 Z <sup>1</sup>																
U <sup>3</sup>	S-43 Z <sup>1</sup>																
U <sup>4</sup>	S-44 Z <sup>1</sup>																
U <sup>5</sup>	S-45 Z <sup>1</sup>																
U <sup>6</sup>	S-46 Z <sup>1</sup>																
U <sup>7</sup>	S-47 Z <sup>1</sup>																
U <sup>8</sup>	S-48 Z <sup>1</sup>																
U <sup>9</sup>	S-49 Z <sup>1</sup>																
U <sup>0</sup>	S-50 Z <sup>1</sup>																

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<b>Relinquished By:</b>  Relinquished By: _____ Date: 4/23/05 Time: 0851 Received By: Stockeigney Time: _____	<b>Delivered By:</b> (Circle One) -14.0% CTO.S? Sampler - UPS - Bus - Other: -13.7% #140 Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No CHECKED BY: SR (Initials) 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: _____
--	---

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

---

April 29, 2025

CHRIS JONES

PARAGON ENVIROMENTAL

1601 N TURNER ST., STE 500

HOBBS, NM 88240

RE: BATMAN 1 CTB

Enclosed are the results of analyses for samples received by the laboratory on 04/23/25 8:51.

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/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

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

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

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

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

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

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S - 51 2'	H252428-01	Soil	21-Apr-25 00:00	23-Apr-25 08:51
S - 52 2'	H252428-02	Soil	21-Apr-25 00:00	23-Apr-25 08:51
S - 53 2'	H252428-03	Soil	21-Apr-25 00:00	23-Apr-25 08:51
S - 54 2'	H252428-04	Soil	21-Apr-25 00:00	23-Apr-25 08:51
S - 55 2'	H252428-05	Soil	21-Apr-25 00:00	23-Apr-25 08:51
S - 56 2'	H252428-06	Soil	21-Apr-25 00:00	23-Apr-25 08:51
S - 57 2'	H252428-07	Soil	21-Apr-25 00:00	23-Apr-25 08:51
S - 58 2'	H252428-08	Soil	21-Apr-25 00:00	23-Apr-25 08:51
S - 59 2'	H252428-09	Soil	21-Apr-25 00:00	23-Apr-25 08:51
S - 60 2'	H252428-10	Soil	21-Apr-25 00:00	23-Apr-25 08:51
S - 61 2'	H252428-11	Soil	21-Apr-25 00:00	23-Apr-25 08:51
S - 62 2'	H252428-12	Soil	21-Apr-25 00:00	23-Apr-25 08:51
S - 63 1'	H252428-13	Soil	21-Apr-25 00:00	23-Apr-25 08:51
S - 64 1'	H252428-14	Soil	21-Apr-25 00:00	23-Apr-25 08:51
S - 65 1'	H252428-15	Soil	21-Apr-25 00:00	23-Apr-25 08:51
S - 66 1'	H252428-16	Soil	21-Apr-25 00:00	23-Apr-25 08:51
S - 67 1'	H252428-17	Soil	21-Apr-25 00:00	23-Apr-25 08:51
S - 68 1'	H252428-18	Soil	21-Apr-25 00:00	23-Apr-25 08:51
S - 69 1'	H252428-19	Soil	21-Apr-25 00:00	23-Apr-25 08:51
S - 70 1'	H252428-20	Soil	21-Apr-25 00:00	23-Apr-25 08:51
S - 71 1'	H252428-21	Soil	21-Apr-25 00:00	23-Apr-25 08:51
S - 72 1'	H252428-22	Soil	21-Apr-25 00:00	23-Apr-25 08:51
S - 73 1'	H252428-23	Soil	21-Apr-25 00:00	23-Apr-25 08:51
S - 74 1'	H252428-24	Soil	21-Apr-25 00:00	23-Apr-25 08:51
S - 75 1'	H252428-25	Soil	21-Apr-25 00:00	23-Apr-25 08:51
S - 76 1'	H252428-26	Soil	21-Apr-25 00:00	23-Apr-25 08:51
S - 77 1'	H252428-27	Soil	21-Apr-25 00:00	23-Apr-25 08:51

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

S - 78 1'	H252428-28	Soil	21-Apr-25 00:00	23-Apr-25 08:51
S - 79 1'	H252428-29	Soil	21-Apr-25 00:00	23-Apr-25 08:51
S - 80 1'	H252428-30	Soil	21-Apr-25 00:00	23-Apr-25 08:51
ESW - 1 4'	H252428-31	Soil	21-Apr-25 00:00	23-Apr-25 08:51
SSW - 2 4'	H252428-32	Soil	21-Apr-25 00:00	23-Apr-25 08:51
SSW - 3 4'	H252428-33	Soil	21-Apr-25 00:00	23-Apr-25 08:51
SSW - 4 4'	H252428-34	Soil	21-Apr-25 00:00	23-Apr-25 08:51
SSW - 5 4'	H252428-35	Soil	21-Apr-25 00:00	23-Apr-25 08:51
SSW - 6 4'	H252428-36	Soil	21-Apr-25 00:00	23-Apr-25 08:51
SSW - 7 4'	H252428-37	Soil	21-Apr-25 00:00	23-Apr-25 08:51
WSW - 8 4'	H252428-38	Soil	21-Apr-25 00:00	23-Apr-25 08:51
NSW - 9 4'	H252428-39	Soil	21-Apr-25 00:00	23-Apr-25 08:51
NSW - 10 4'	H252428-40	Soil	21-Apr-25 00:00	23-Apr-25 08:51
NSW - 11 4'	H252428-41	Soil	21-Apr-25 00:00	23-Apr-25 08:51
NSW - 12 4'	H252428-42	Soil	21-Apr-25 00:00	23-Apr-25 08:51
NSW - 13 4'	H252428-43	Soil	21-Apr-25 00:00	23-Apr-25 08:51
NSW - 14 4'	H252428-44	Soil	21-Apr-25 00:00	23-Apr-25 08:51
WSW - 15 2'	H252428-45	Soil	21-Apr-25 00:00	23-Apr-25 08:51
WSW - 16 2'	H252428-46	Soil	21-Apr-25 00:00	23-Apr-25 08:51
WSW - 17 2'	H252428-47	Soil	21-Apr-25 00:00	23-Apr-25 08:51
NSW - 18 2'	H252428-48	Soil	21-Apr-25 00:00	23-Apr-25 08:51
NSW - 19 2'	H252428-49	Soil	21-Apr-25 00:00	23-Apr-25 08:51
NSW - 20 2'	H252428-50	Soil	21-Apr-25 00:00	23-Apr-25 08:51
SSW - 22 2'	H252428-51	Soil	21-Apr-25 00:00	23-Apr-25 08:51
ESW - 21 2'	H252428-52	Soil	21-Apr-25 00:00	23-Apr-25 08:51
WSW - 23 2'	H252428-53	Soil	21-Apr-25 00:00	23-Apr-25 08:51
NSW - 24 1'	H252428-54	Soil	21-Apr-25 00:00	23-Apr-25 08:51
NSW - 25 1'	H252428-55	Soil	21-Apr-25 00:00	23-Apr-25 08:51
NSW - 26 1'	H252428-56	Soil	21-Apr-25 00:00	23-Apr-25 08:51
ESW - 27 1'	H252428-57	Soil	21-Apr-25 00:00	23-Apr-25 08:51

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

ESW - 28 1'	H252428-58	Soil	21-Apr-25 00:00	23-Apr-25 08:51
ESW - 29 1'	H252428-59	Soil	21-Apr-25 00:00	23-Apr-25 08:51
ESW - 30 1'	H252428-60	Soil	21-Apr-25 00:00	23-Apr-25 08:51

04/29/25 - Client changed the sample IDs on -31 to -44 (see COC). This is the revised report and will replace the one sent earlier today, 04/29/25.

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**S - 51 2'**  
**H252428-01 (Soil)**

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

<b>Chloride</b>	<b>2560</b>		16.0	mg/kg	4	5042438	AC	24-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042406	JH	25-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134 5042406 JH 25-Apr-25 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042309	MS	24-Apr-25	8015B	
<b>DRO &gt;C10-C28*</b>	<b>25.9</b>		10.0	mg/kg	1	5042309	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042309	MS	24-Apr-25	8015B	

Surrogate: 1-Chlorooctane 76.5 % 44.4-145 5042309 MS 24-Apr-25 8015B

Surrogate: 1-Chlorooctadecane 80.1 % 40.6-153 5042309 MS 24-Apr-25 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**S - 52 2'**  
**H252428-02 (Soil)**

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

<b>Chloride</b>	<b>2760</b>		16.0	mg/kg	4	5042438	AC	24-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			108 %	71.5-134		5042406	JH	25-Apr-25	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042310	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042310	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042310	MS	24-Apr-25	8015B	
Surrogate: 1-Chlorooctane			94.6 %	44.4-145		5042310	MS	24-Apr-25	8015B	
Surrogate: 1-Chlorooctadecane			93.8 %	40.6-153		5042310	MS	24-Apr-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**S - 53 2'**  
**H252428-03 (Soil)**

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

<b>Chloride</b>	<b>2280</b>		16.0	mg/kg	4	5042438	AC	24-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		107 %		71.5-134	5042406	JH	25-Apr-25	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5042310	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5042310	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5042310	MS	24-Apr-25	8015B	
Surrogate: 1-Chlorooctane		95.3 %		44.4-145	5042310	MS	24-Apr-25	8015B	
Surrogate: 1-Chlorooctadecane		93.0 %		40.6-153	5042310	MS	24-Apr-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**S - 54 2'**  
**H252428-04 (Soil)**

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

Chloride	2560		16.0	mg/kg	4	5042438	AC	24-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042406	JH	25-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			112 %		71.5-134	5042406	JH	25-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042310	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042310	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042310	MS	24-Apr-25	8015B	

Surrogate: 1-Chlorooctane			90.9 %		44.4-145	5042310	MS	24-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			88.8 %		40.6-153	5042310	MS	24-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**S - 55 2'**  
**H252428-05 (Soil)**

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

<b>Chloride</b>	<b>2400</b>		16.0	mg/kg	4	5042438	AC	24-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042406	JH	25-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134 5042406 JH 25-Apr-25 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042310	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042310	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042310	MS	24-Apr-25	8015B	

Surrogate: 1-Chlorooctane 99.4 % 44.4-145 5042310 MS 24-Apr-25 8015B

Surrogate: 1-Chlorooctadecane 97.8 % 40.6-153 5042310 MS 24-Apr-25 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**S - 56 2'**  
**H252428-06 (Soil)**

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

<b>Chloride</b>	<b>176</b>		16.0	mg/kg	4	5042501	HM	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042406	JH	25-Apr-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			110 %	71.5-134		5042406	JH	25-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042310	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042310	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042310	MS	24-Apr-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			95.2 %	44.4-145		5042310	MS	24-Apr-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			93.3 %	40.6-153		5042310	MS	24-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**S - 57 2'**  
**H252428-07 (Soil)**

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

<b>Chloride</b>	<b>208</b>		16.0	mg/kg	4	5042501	HM	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5042406	JH	25-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	115 %	71.5-134	5042406	JH	25-Apr-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5042310	MS	24-Apr-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5042310	MS	24-Apr-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5042310	MS	24-Apr-25	8015B

Surrogate: 1-Chlorooctane	95.2 %	44.4-145	5042310	MS	24-Apr-25	8015B
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Surrogate: 1-Chlorooctadecane	94.1 %	40.6-153	5042310	MS	24-Apr-25	8015B
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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**S - 58 2'**  
**H252428-08 (Soil)**

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

<b>Chloride</b>	<b>128</b>		16.0	mg/kg	4	5042501	HM	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5042406	JH	25-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	116 %	71.5-134	5042406	JH	25-Apr-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5042310	MS	24-Apr-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5042310	MS	24-Apr-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5042310	MS	24-Apr-25	8015B

Surrogate: 1-Chlorooctane	92.8 %	44.4-145	5042310	MS	24-Apr-25	8015B
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Surrogate: 1-Chlorooctadecane	91.2 %	40.6-153	5042310	MS	24-Apr-25	8015B
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Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**S - 59 2'**  
**H252428-09 (Soil)**

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

<b>Chloride</b>	<b>208</b>		16.0	mg/kg	4	5042501	HM	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042406	JH	25-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134 5042406 JH 25-Apr-25 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042310	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042310	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042310	MS	24-Apr-25	8015B	

Surrogate: 1-Chlorooctane 102 % 44.4-145 5042310 MS 24-Apr-25 8015B

Surrogate: 1-Chlorooctadecane 98.7 % 40.6-153 5042310 MS 24-Apr-25 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**S - 60 2'**  
**H252428-10 (Soil)**

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

<b>Chloride</b>	<b>176</b>		16.0	mg/kg	4	5042501	HM	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			111 %	71.5-134		5042406	JH	25-Apr-25	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042310	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042310	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042310	MS	24-Apr-25	8015B	
Surrogate: 1-Chlorooctane			97.6 %	44.4-145		5042310	MS	24-Apr-25	8015B	
Surrogate: 1-Chlorooctadecane			95.4 %	40.6-153		5042310	MS	24-Apr-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**S - 61 2'**  
**H252428-11 (Soil)**

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

Chloride	320		16.0	mg/kg	4	5042501	HM	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042406	JH	25-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			113 %		71.5-134	5042406	JH	25-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042310	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042310	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042310	MS	24-Apr-25	8015B	

Surrogate: 1-Chlorooctane			85.1 %		44.4-145	5042310	MS	24-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			84.0 %		40.6-153	5042310	MS	24-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**S - 62 2'**  
**H252428-12 (Soil)**

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

Chloride	2530		16.0	mg/kg	4	5042501	HM	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			107 %	71.5-134		5042406	JH	25-Apr-25	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042310	MS	25-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042310	MS	25-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042310	MS	25-Apr-25	8015B	
Surrogate: 1-Chlorooctane			91.7 %	44.4-145		5042310	MS	25-Apr-25	8015B	
Surrogate: 1-Chlorooctadecane			92.4 %	40.6-153		5042310	MS	25-Apr-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**S - 63 1'**  
**H252428-13 (Soil)**

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

<b>Chloride</b>	<b>3040</b>		16.0	mg/kg	4	5042501	HM	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042406	JH	25-Apr-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			108 %	71.5-134		5042406	JH	25-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042310	MS	25-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042310	MS	25-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042310	MS	25-Apr-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			89.6 %	44.4-145		5042310	MS	25-Apr-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			88.2 %	40.6-153		5042310	MS	25-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**S - 64 1'**  
**H252428-14 (Soil)**

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

<b>Chloride</b>	<b>3000</b>		16.0	mg/kg	4	5042501	HM	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042406	JH	25-Apr-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %		71.5-134	5042406	JH	25-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042310	MS	25-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042310	MS	25-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042310	MS	25-Apr-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			93.5 %		44.4-145	5042310	MS	25-Apr-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			90.1 %		40.6-153	5042310	MS	25-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**S - 65 1'**  
**H252428-15 (Soil)**

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

Chloride	2720		16.0	mg/kg	4	5042501	HM	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042406	JH	25-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %	71.5-134		5042406	JH	25-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042310	MS	25-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042310	MS	25-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042310	MS	25-Apr-25	8015B	

Surrogate: 1-Chlorooctane			91.6 %	44.4-145		5042310	MS	25-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			91.2 %	40.6-153		5042310	MS	25-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**S - 66 1'**  
**H252428-16 (Soil)**

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

Chloride	3080		16.0	mg/kg	4	5042501	HM	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042406	JH	25-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042406	JH	25-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		5042406	JH	25-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042310	MS	25-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042310	MS	25-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042310	MS	25-Apr-25	8015B	

Surrogate: 1-Chlorooctane			92.4 %	44.4-145		5042310	MS	25-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			91.4 %	40.6-153		5042310	MS	25-Apr-25	8015B	
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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**S - 67 1'**  
**H252428-17 (Soil)**

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

<b>Chloride</b>	<b>2840</b>		16.0	mg/kg	4	5042501	HM	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042418	JH	25-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042418	JH	25-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042418	JH	25-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042418	JH	25-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042418	JH	25-Apr-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			131 %	71.5-134		5042418	JH	25-Apr-25	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042310	MS	25-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042310	MS	25-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042310	MS	25-Apr-25	8015B	
Surrogate: 1-Chlorooctane			90.5 %	44.4-145		5042310	MS	25-Apr-25	8015B	
Surrogate: 1-Chlorooctadecane			90.0 %	40.6-153		5042310	MS	25-Apr-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**S - 68 1'**  
**H252428-18 (Soil)**

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

<b>Chloride</b>	<b>2800</b>		16.0	mg/kg	4	5042501	HM	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042418	JH	25-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042418	JH	25-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042418	JH	25-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042418	JH	25-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042418	JH	25-Apr-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			127 %		71.5-134	5042418	JH	25-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042310	MS	25-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042310	MS	25-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042310	MS	25-Apr-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			97.6 %		44.4-145	5042310	MS	25-Apr-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			97.0 %		40.6-153	5042310	MS	25-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**S - 69 1'**  
**H252428-19 (Soil)**

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

<b>Chloride</b>	<b>2680</b>		16.0	mg/kg	4	5042501	HM	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042418	JH	25-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042418	JH	25-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042418	JH	25-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042418	JH	25-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042418	JH	25-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134 5042418 JH 25-Apr-25 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042310	MS	25-Apr-25	8015B	
<b>DRO &gt;C10-C28*</b>	<b>16.8</b>		10.0	mg/kg	1	5042310	MS	25-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042310	MS	25-Apr-25	8015B	

Surrogate: 1-Chlorooctane 96.6 % 44.4-145 5042310 MS 25-Apr-25 8015B

Surrogate: 1-Chlorooctadecane 96.6 % 40.6-153 5042310 MS 25-Apr-25 8015B

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**S - 70 1'**  
**H252428-20 (Soil)**

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

<b>Chloride</b>	<b>2960</b>		16.0	mg/kg	4	5042501	HM	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042418	JH	25-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042418	JH	25-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042418	JH	25-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042418	JH	25-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042418	JH	25-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134 5042418 JH 25-Apr-25 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042310	MS	25-Apr-25	8015B	
<b>DRO &gt;C10-C28*</b>	<b>10.4</b>		10.0	mg/kg	1	5042310	MS	25-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042310	MS	25-Apr-25	8015B	

Surrogate: 1-Chlorooctane 86.0 % 44.4-145 5042310 MS 25-Apr-25 8015B

Surrogate: 1-Chlorooctadecane 85.8 % 40.6-153 5042310 MS 25-Apr-25 8015B

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**S - 71 1'**  
**H252428-21 (Soil)**

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

<b>Chloride</b>	<b>3120</b>		16.0	mg/kg	4	5042501	HM	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042418	JH	25-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042418	JH	25-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042418	JH	25-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042418	JH	25-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042418	JH	25-Apr-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			126 %		71.5-134	5042418	JH	25-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042310	MS	25-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042310	MS	25-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042310	MS	25-Apr-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			73.7 %		44.4-145	5042310	MS	25-Apr-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			71.6 %		40.6-153	5042310	MS	25-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**S - 72 1'**  
**H252428-22 (Soil)**

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

<b>Chloride</b>	<b>2720</b>		16.0	mg/kg	4	5042501	HM	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042418	JH	25-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042418	JH	25-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042418	JH	25-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042418	JH	25-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042418	JH	25-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 132 % 71.5-134 5042418 JH 25-Apr-25 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
<b>DRO &gt;C10-C28*</b>	<b>138</b>		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>34.0</b>		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	

Surrogate: 1-Chlorooctane 83.0 % 44.4-145 5042311 MS 24-Apr-25 8015B

Surrogate: 1-Chlorooctadecane 84.0 % 40.6-153 5042311 MS 24-Apr-25 8015B

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**S - 73 1'**  
**H252428-23 (Soil)**

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

Chloride	176		16.0	mg/kg	4	5042501	HM	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042418	JH	25-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042418	JH	25-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042418	JH	25-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042418	JH	25-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042418	JH	25-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			125 %	71.5-134		5042418	JH	25-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
DRO >C10-C28*	22.1		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	

Surrogate: 1-Chlorooctane			87.1 %	44.4-145		5042311	MS	24-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			82.3 %	40.6-153		5042311	MS	24-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**S - 74 1'**  
**H252428-24 (Soil)**

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

Chloride	80.0		16.0	mg/kg	4	5042501	HM	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			126 %	71.5-134		5042418	JH	26-Apr-25	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
Surrogate: 1-Chlorooctane			86.8 %	44.4-145		5042311	MS	24-Apr-25	8015B	
Surrogate: 1-Chlorooctadecane			81.7 %	40.6-153		5042311	MS	24-Apr-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**S - 75 1'**  
**H252428-25 (Soil)**

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

<b>Chloride</b>	<b>176</b>		16.0	mg/kg	4	5042501	HM	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042418	JH	26-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134 5042418 JH 26-Apr-25 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
<b>DRO &gt;C10-C28*</b>	<b>29.5</b>		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	

Surrogate: 1-Chlorooctane 79.5 % 44.4-145 5042311 MS 24-Apr-25 8015B

Surrogate: 1-Chlorooctadecane 78.7 % 40.6-153 5042311 MS 24-Apr-25 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**S - 76 1'**  
**H252428-26 (Soil)**

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

<b>Chloride</b>	<b>192</b>		16.0	mg/kg	4	5042521	KV	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			124 %	71.5-134		5042418	JH	26-Apr-25	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
<b>DRO &gt;C10-C28*</b>	<b>19.3</b>		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
Surrogate: 1-Chlorooctane			90.9 %	44.4-145		5042311	MS	24-Apr-25	8015B	
Surrogate: 1-Chlorooctadecane			87.2 %	40.6-153		5042311	MS	24-Apr-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**S - 77 1'**  
**H252428-27 (Soil)**

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

<b>Chloride</b>	<b>224</b>		16.0	mg/kg	4	5042521	KV	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5042418	JH	26-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	125 %	71.5-134	5042418	JH	26-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
<b>DRO &gt;C10-C28*</b>	<b>41.4</b>	10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	

Surrogate: 1-Chlorooctane	89.9 %	44.4-145	5042311	MS	24-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane	84.8 %	40.6-153	5042311	MS	24-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**S - 78 1'**  
**H252428-28 (Soil)**

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

<b>Chloride</b>	<b>176</b>		16.0	mg/kg	4	5042521	KV	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			125 %	71.5-134		5042418	JH	26-Apr-25	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
<b>DRO &gt;C10-C28*</b>	<b>24.7</b>		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
Surrogate: 1-Chlorooctane			92.8 %	44.4-145		5042311	MS	24-Apr-25	8015B	
Surrogate: 1-Chlorooctadecane			86.4 %	40.6-153		5042311	MS	24-Apr-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**S - 79 1'**  
**H252428-29 (Soil)**

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

<b>Chloride</b>	<b>128</b>		16.0	mg/kg	4	5042521	KV	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			124 %	71.5-134		5042418	JH	26-Apr-25	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
<b>DRO &gt;C10-C28*</b>	<b>15.4</b>		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
Surrogate: 1-Chlorooctane			87.4 %	44.4-145		5042311	MS	24-Apr-25	8015B	
Surrogate: 1-Chlorooctadecane			81.1 %	40.6-153		5042311	MS	24-Apr-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**S - 80 1'**  
**H252428-30 (Soil)**

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

<b>Chloride</b>	<b>256</b>		16.0	mg/kg	4	5042521	KV	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			126 %	71.5-134		5042418	JH	26-Apr-25	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
<b>DRO &gt;C10-C28*</b>	<b>19.8</b>		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
Surrogate: 1-Chlorooctane			68.0 %	44.4-145		5042311	MS	24-Apr-25	8015B	
Surrogate: 1-Chlorooctadecane			64.2 %	40.6-153		5042311	MS	24-Apr-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**ESW - 1 4'**  
**H252428-31 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	5042521	KV	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042418	JH	26-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134 5042418 JH 26-Apr-25 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	

Surrogate: 1-Chlorooctane 78.0 % 44.4-145 5042311 MS 24-Apr-25 8015B

Surrogate: 1-Chlorooctadecane 73.5 % 40.6-153 5042311 MS 24-Apr-25 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**SSW - 2 4'**  
**H252428-32 (Soil)**

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

Chloride	16.0		16.0	mg/kg	4	5042521	KV	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			125 %	71.5-134		5042418	JH	26-Apr-25	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
Surrogate: 1-Chlorooctane			79.7 %	44.4-145		5042311	MS	24-Apr-25	8015B	
Surrogate: 1-Chlorooctadecane			74.3 %	40.6-153		5042311	MS	24-Apr-25	8015B	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**SSW - 3 4'**  
**H252428-33 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	5042521	KV	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			124 %		71.5-134	5042418	JH	26-Apr-25	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
Surrogate: 1-Chlorooctane			84.6 %		44.4-145	5042311	MS	24-Apr-25	8015B	
Surrogate: 1-Chlorooctadecane			78.9 %		40.6-153	5042311	MS	24-Apr-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**SSW - 4 4'**  
**H252428-34 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	5042521	KV	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042418	JH	26-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			126 %		71.5-134	5042418	JH	26-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	

Surrogate: 1-Chlorooctane			82.7 %		44.4-145	5042311	MS	24-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			76.9 %		40.6-153	5042311	MS	24-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**SSW - 5 4'**  
**H252428-35 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	5042521	KV	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042418	JH	26-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			126 %		71.5-134	5042418	JH	26-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	

Surrogate: 1-Chlorooctane			83.7 %		44.4-145	5042311	MS	24-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			79.3 %		40.6-153	5042311	MS	24-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**SSW - 6 4'**  
**H252428-36 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	5042521	KV	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042418	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042418	JH	26-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			124 %		71.5-134	5042418	JH	26-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	

Surrogate: 1-Chlorooctane			88.2 %		44.4-145	5042311	MS	24-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			82.0 %		40.6-153	5042311	MS	24-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

SSW - 7 4'  
H252428-37 (Soil)

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

Chloride	16.0		16.0	mg/kg	4	5042521	KV	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042419	JH	26-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		5042419	JH	26-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	

Surrogate: 1-Chlorooctane			87.7 %	44.4-145		5042311	MS	24-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			81.8 %	40.6-153		5042311	MS	24-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**WSW - 8 4'**  
**H252428-38 (Soil)**

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

<b>Chloride</b>	<b>16.0</b>		16.0	mg/kg	4	5042521	KV	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042419	JH	26-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134 5042419 JH 26-Apr-25 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	

Surrogate: 1-Chlorooctane 71.9 % 44.4-145 5042311 MS 24-Apr-25 8015B

Surrogate: 1-Chlorooctadecane 66.3 % 40.6-153 5042311 MS 24-Apr-25 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**NSW - 9 4'**  
**H252428-39 (Soil)**

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

Chloride	16.0		16.0	mg/kg	4	5042521	KV	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			112 %	71.5-134		5042419	JH	26-Apr-25	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
Surrogate: 1-Chlorooctane			83.4 %	44.4-145		5042311	MS	24-Apr-25	8015B	
Surrogate: 1-Chlorooctadecane			77.5 %	40.6-153		5042311	MS	24-Apr-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**NSW - 10 4'**  
**H252428-40 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	5042521	KV	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			109 %	71.5-134		5042419	JH	26-Apr-25	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
Surrogate: 1-Chlorooctane			74.8 %	44.4-145		5042311	MS	24-Apr-25	8015B	
Surrogate: 1-Chlorooctadecane			69.4 %	40.6-153		5042311	MS	24-Apr-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**NSW - 11 4'**  
**H252428-41 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	5042521	KV	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042419	JH	26-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			112 %		71.5-134	5042419	JH	26-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042311	MS	24-Apr-25	8015B	

Surrogate: 1-Chlorooctane			83.1 %		44.4-145	5042311	MS	24-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			79.1 %		40.6-153	5042311	MS	24-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**NSW - 12 4'**  
**H252428-42 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	5042521	KV	25-Apr-25	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042419	JH	26-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			111 %		71.5-134	5042419	JH	26-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	

Surrogate: 1-Chlorooctane			80.3 %		44.4-145	5042321	MS	24-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			75.3 %		40.6-153	5042321	MS	24-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**NSW - 13 4'**  
**H252428-43 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	5042521	KV	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			109 %	71.5-134		5042419	JH	26-Apr-25	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
Surrogate: 1-Chlorooctane			83.8 %	44.4-145		5042321	MS	24-Apr-25	8015B	
Surrogate: 1-Chlorooctadecane			80.0 %	40.6-153		5042321	MS	24-Apr-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

NSW - 14 4'  
H252428-44 (Soil)

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

Chloride	<16.0		16.0	mg/kg	4	5042521	KV	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042419	JH	26-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			109 %	71.5-134		5042419	JH	26-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	

Surrogate: 1-Chlorooctane			88.3 %	44.4-145		5042321	MS	24-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			82.4 %	40.6-153		5042321	MS	24-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**WSW - 15 2'**  
**H252428-45 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	5042521	KV	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042419	JH	26-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			112 %	71.5-134		5042419	JH	26-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	

Surrogate: 1-Chlorooctane			77.4 %	44.4-145		5042321	MS	24-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			71.9 %	40.6-153		5042321	MS	24-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**WSW - 16 2'**  
**H252428-46 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	5042535	AC	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			109 %	71.5-134		5042419	JH	26-Apr-25	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
Surrogate: 1-Chlorooctane			81.6 %	44.4-145		5042321	MS	24-Apr-25	8015B	
Surrogate: 1-Chlorooctadecane			76.1 %	40.6-153		5042321	MS	24-Apr-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**WSW - 17 2'**  
**H252428-47 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	5042535	AC	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042419	JH	26-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			110 %	71.5-134		5042419	JH	26-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	

Surrogate: 1-Chlorooctane			79.8 %	44.4-145		5042321	MS	24-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			74.3 %	40.6-153		5042321	MS	24-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**NSW - 18 2'**  
**H252428-48 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	5042535	AC	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042419	JH	26-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %	71.5-134		5042419	JH	26-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	

Surrogate: 1-Chlorooctane			74.8 %	44.4-145		5042321	MS	24-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			70.1 %	40.6-153		5042321	MS	24-Apr-25	8015B	
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Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**NSW - 19 2'**  
**H252428-49 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	5042535	AC	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042419	JH	26-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			109 %	71.5-134		5042419	JH	26-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	

Surrogate: 1-Chlorooctane			75.5 %	44.4-145		5042321	MS	24-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			71.4 %	40.6-153		5042321	MS	24-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**NSW - 20 2'**  
**H252428-50 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	5042535	AC	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			112 %	71.5-134		5042419	JH	26-Apr-25	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
Surrogate: 1-Chlorooctane			77.6 %	44.4-145		5042321	MS	24-Apr-25	8015B	
Surrogate: 1-Chlorooctadecane			72.0 %	40.6-153		5042321	MS	24-Apr-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

SSW - 22 2'  
H252428-51 (Soil)

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

Chloride	<16.0		16.0	mg/kg	4	5042535	AC	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042419	JH	26-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %		71.5-134	5042419	JH	26-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	

Surrogate: 1-Chlorooctane			76.8 %		44.4-145	5042321	MS	24-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			71.2 %		40.6-153	5042321	MS	24-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**ESW - 21 2'**  
**H252428-52 (Soil)**

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

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	5042535	AC	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		5042419	JH	26-Apr-25	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
Surrogate: 1-Chlorooctane			76.8 %	44.4-145		5042321	MS	24-Apr-25	8015B	
Surrogate: 1-Chlorooctadecane			72.6 %	40.6-153		5042321	MS	24-Apr-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**WSW - 23 2'**  
**H252428-53 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	5042535	AC	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042419	JH	26-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			111 %		71.5-134	5042419	JH	26-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	

Surrogate: 1-Chlorooctane			76.9 %		44.4-145	5042321	MS	24-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			71.6 %		40.6-153	5042321	MS	24-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

NSW - 24 1'  
H252428-54 (Soil)

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

Chloride	<16.0		16.0	mg/kg	4	5042535	AC	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042419	JH	26-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			110 %	71.5-134		5042419	JH	26-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	

Surrogate: 1-Chlorooctane			77.2 %	44.4-145		5042321	MS	24-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			71.9 %	40.6-153		5042321	MS	24-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

NSW - 25 1'  
H252428-55 (Soil)

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

Chloride	<16.0		16.0	mg/kg	4	5042535	AC	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042419	JH	26-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			110 %	71.5-134		5042419	JH	26-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	

Surrogate: 1-Chlorooctane			77.2 %	44.4-145		5042321	MS	24-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			71.8 %	40.6-153		5042321	MS	24-Apr-25	8015B	
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Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**NSW - 26 1'**  
**H252428-56 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	5042535	AC	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042419	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042419	JH	26-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			113 %		71.5-134	5042419	JH	26-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	

Surrogate: 1-Chlorooctane			75.7 %		44.4-145	5042321	MS	24-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			70.4 %		40.6-153	5042321	MS	24-Apr-25	8015B	
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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**ESW - 27 1'**  
**H252428-57 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	5042535	AC	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042420	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042420	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042420	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042420	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042420	JH	26-Apr-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			110 %	71.5-134		5042420	JH	26-Apr-25	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
Surrogate: 1-Chlorooctane			80.0 %	44.4-145		5042321	MS	24-Apr-25	8015B	
Surrogate: 1-Chlorooctadecane			76.1 %	40.6-153		5042321	MS	24-Apr-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**ESW - 28 1'**  
**H252428-58 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	5042535	AC	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042420	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042420	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042420	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042420	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042420	JH	26-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			118 %		71.5-134	5042420	JH	26-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	

Surrogate: 1-Chlorooctane			76.8 %		44.4-145	5042321	MS	24-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			71.5 %		40.6-153	5042321	MS	24-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**ESW - 29 1'**  
**H252428-59 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	5042535	AC	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042420	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042420	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042420	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042420	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042420	JH	26-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			122 %		71.5-134	5042420	JH	26-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042321	MS	24-Apr-25	8015B	

Surrogate: 1-Chlorooctane			77.4 %		44.4-145	5042321	MS	24-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			71.7 %		40.6-153	5042321	MS	24-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**ESW - 30 1'**  
**H252428-60 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	5042535	AC	25-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5042420	JH	26-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5042420	JH	26-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5042420	JH	26-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5042420	JH	26-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5042420	JH	26-Apr-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			109 %	71.5-134		5042420	JH	26-Apr-25	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5042321	MS	25-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5042321	MS	25-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5042321	MS	25-Apr-25	8015B	
Surrogate: 1-Chlorooctane			78.2 %	44.4-145		5042321	MS	25-Apr-25	8015B	
Surrogate: 1-Chlorooctadecane			72.6 %	40.6-153		5042321	MS	25-Apr-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**Inorganic Compounds - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5042438 - 1:4 DI Water****Blank (5042438-BLK1)**

Prepared &amp; Analyzed: 24-Apr-25

Chloride	ND	16.0	mg/kg							
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**LCS (5042438-BS1)**

Prepared &amp; Analyzed: 24-Apr-25

Chloride	432	16.0	mg/kg	400		108	80-120			
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**LCS Dup (5042438-BSD1)**

Prepared &amp; Analyzed: 24-Apr-25

Chloride	416	16.0	mg/kg	400		104	80-120	3.77	20	
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**Batch 5042501 - 1:4 DI Water****Blank (5042501-BLK1)**

Prepared &amp; Analyzed: 25-Apr-25

Chloride	ND	16.0	mg/kg							
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**LCS (5042501-BS1)**

Prepared &amp; Analyzed: 25-Apr-25

Chloride	480	16.0	mg/kg	400		120	80-120			
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**LCS Dup (5042501-BSD1)**

Prepared &amp; Analyzed: 25-Apr-25

Chloride	416	16.0	mg/kg	400		104	80-120	14.3	20	
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**Batch 5042521 - 1:4 DI Water****Blank (5042521-BLK1)**

Prepared &amp; Analyzed: 25-Apr-25

Chloride	ND	16.0	mg/kg							
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**LCS (5042521-BS1)**

Prepared &amp; Analyzed: 25-Apr-25

Chloride	416	16.0	mg/kg	400		104	80-120			
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

**Inorganic Compounds - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5042521 - 1:4 DI Water****LCS Dup (5042521-BSD1)**

Prepared &amp; Analyzed: 25-Apr-25

Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
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**Batch 5042535 - 1:4 DI Water****Blank (5042535-BLK1)**

Prepared &amp; Analyzed: 25-Apr-25

Chloride	ND	16.0	mg/kg							
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**LCS (5042535-BS1)**

Prepared &amp; Analyzed: 25-Apr-25

Chloride	416	16.0	mg/kg	400		104	80-120			
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**LCS Dup (5042535-BSD1)**

Prepared &amp; Analyzed: 25-Apr-25

Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	
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**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5042406 - Volatiles****Blank (5042406-BLK1)**

Prepared: 24-Apr-25 Analyzed: 25-Apr-25

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0526		mg/kg	0.0500		105	71.5-134			

**LCS (5042406-BS1)**

Prepared: 24-Apr-25 Analyzed: 25-Apr-25

Benzene	2.14	0.050	mg/kg	2.00		107	82.8-130			
Toluene	2.23	0.050	mg/kg	2.00		112	86-128			
Ethylbenzene	2.38	0.050	mg/kg	2.00		119	85.9-128			
m,p-Xylene	4.86	0.100	mg/kg	4.00		122	89-129			
o-Xylene	2.38	0.050	mg/kg	2.00		119	86.1-125			
Total Xylenes	7.24	0.150	mg/kg	6.00		121	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0549		mg/kg	0.0500		110	71.5-134			

**LCS Dup (5042406-BSD1)**

Prepared: 24-Apr-25 Analyzed: 25-Apr-25

Benzene	2.01	0.050	mg/kg	2.00		101	82.8-130	6.30	15.8	
Toluene	2.08	0.050	mg/kg	2.00		104	86-128	6.90	15.9	
Ethylbenzene	2.21	0.050	mg/kg	2.00		111	85.9-128	7.43	16	
m,p-Xylene	4.49	0.100	mg/kg	4.00		112	89-129	7.93	16.2	
o-Xylene	2.21	0.050	mg/kg	2.00		110	86.1-125	7.33	16.7	
Total Xylenes	6.70	0.150	mg/kg	6.00		112	88.2-128	7.73	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0534		mg/kg	0.0500		107	71.5-134			

**Batch 5042418 - Volatiles****Blank (5042418-BLK1)**

Prepared: 24-Apr-25 Analyzed: 25-Apr-25

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

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5042418 - Volatiles****Blank (5042418-BLK1)**

Prepared: 24-Apr-25 Analyzed: 25-Apr-25

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0632		mg/kg	0.0500		126	71.5-134			

**LCS (5042418-BS1)**

Prepared: 24-Apr-25 Analyzed: 25-Apr-25

Benzene	2.37	0.050	mg/kg	2.00		118	82.8-130			
Toluene	2.33	0.050	mg/kg	2.00		116	86-128			
Ethylbenzene	2.43	0.050	mg/kg	2.00		121	85.9-128			
m,p-Xylene	4.50	0.100	mg/kg	4.00		113	89-129			
o-Xylene	2.28	0.050	mg/kg	2.00		114	86.1-125			
Total Xylenes	6.78	0.150	mg/kg	6.00		113	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0531		mg/kg	0.0500		106	71.5-134			

**LCS Dup (5042418-BS1)**

Prepared: 24-Apr-25 Analyzed: 25-Apr-25

Benzene	2.36	0.050	mg/kg	2.00		118	82.8-130	0.508	15.8	
Toluene	2.30	0.050	mg/kg	2.00		115	86-128	1.10	15.9	
Ethylbenzene	2.40	0.050	mg/kg	2.00		120	85.9-128	1.27	16	
m,p-Xylene	4.45	0.100	mg/kg	4.00		111	89-129	1.16	16.2	
o-Xylene	2.23	0.050	mg/kg	2.00		111	86.1-125	2.13	16.7	
Total Xylenes	6.68	0.150	mg/kg	6.00		111	88.2-128	1.48	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0522		mg/kg	0.0500		104	71.5-134			

**Batch 5042419 - Volatiles****Blank (5042419-BLK1)**

Prepared: 24-Apr-25 Analyzed: 26-Apr-25

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0530		mg/kg	0.0500		106	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5042419 - Volatiles****LCS (5042419-BS1)**

Prepared: 24-Apr-25 Analyzed: 26-Apr-25

Benzene	2.04	0.050	mg/kg	2.00		102	82.8-130			
Toluene	1.93	0.050	mg/kg	2.00		96.4	86-128			
Ethylbenzene	1.87	0.050	mg/kg	2.00		93.5	85.9-128			
m,p-Xylene	3.86	0.100	mg/kg	4.00		96.4	89-129			
o-Xylene	1.93	0.050	mg/kg	2.00		96.6	86.1-125			
Total Xylenes	5.79	0.150	mg/kg	6.00		96.5	88.2-128			

Surrogate: 4-Bromofluorobenzene (PID) 0.0474 mg/kg 0.0500 94.8 71.5-134

**LCS Dup (5042419-BS1)**

Prepared: 24-Apr-25 Analyzed: 26-Apr-25

Benzene	2.08	0.050	mg/kg	2.00		104	82.8-130	2.25	15.8	
Toluene	1.95	0.050	mg/kg	2.00		97.6	86-128	1.20	15.9	
Ethylbenzene	1.90	0.050	mg/kg	2.00		95.1	85.9-128	1.74	16	
m,p-Xylene	3.92	0.100	mg/kg	4.00		98.1	89-129	1.68	16.2	
o-Xylene	1.96	0.050	mg/kg	2.00		97.9	86.1-125	1.30	16.7	
Total Xylenes	5.88	0.150	mg/kg	6.00		98.0	88.2-128	1.56	16.3	

Surrogate: 4-Bromofluorobenzene (PID) 0.0461 mg/kg 0.0500 92.2 71.5-134

**Batch 5042420 - Volatiles****Blank (5042420-BLK1)**

Prepared: 24-Apr-25 Analyzed: 26-Apr-25

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							

Surrogate: 4-Bromofluorobenzene (PID) 0.0587 mg/kg 0.0500 117 71.5-134

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5042420 - Volatiles****LCS (5042420-BS1)**

Prepared: 24-Apr-25 Analyzed: 26-Apr-25

Benzene	2.20	0.050	mg/kg	2.00		110	82.8-130			
Toluene	2.43	0.050	mg/kg	2.00		122	86-128			
Ethylbenzene	2.62	0.050	mg/kg	2.00		131	85.9-128			BS1
m,p-Xylene	5.36	0.100	mg/kg	4.00		134	89-129			BS1
o-Xylene	2.64	0.050	mg/kg	2.00		132	86.1-125			BS1
Total Xylenes	8.00	0.150	mg/kg	6.00		133	88.2-128			BS1
Surrogate: 4-Bromofluorobenzene (PID)	0.0596		mg/kg	0.0500		119	71.5-134			

**LCS Dup (5042420-BSD1)**

Prepared: 24-Apr-25 Analyzed: 26-Apr-25

Benzene	2.21	0.050	mg/kg	2.00		111	82.8-130	0.476	15.8	
Toluene	2.42	0.050	mg/kg	2.00		121	86-128	0.544	15.9	
Ethylbenzene	2.58	0.050	mg/kg	2.00		129	85.9-128	1.31	16	BS-3
m,p-Xylene	5.26	0.100	mg/kg	4.00		132	89-129	1.88	16.2	BS1
o-Xylene	2.60	0.050	mg/kg	2.00		130	86.1-125	1.48	16.7	BS-3
Total Xylenes	7.86	0.150	mg/kg	6.00		131	88.2-128	1.75	16.3	BS1
Surrogate: 4-Bromofluorobenzene (PID)	0.0588		mg/kg	0.0500		118	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5042309 - General Prep - Organics****Blank (5042309-BLK1)**

Prepared: 23-Apr-25 Analyzed: 24-Apr-25

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	43.6		mg/kg	50.0		87.1	44.4-145		
Surrogate: 1-Chlorooctadecane	44.1		mg/kg	50.0		88.2	40.6-153		

**LCS (5042309-BS1)**

Prepared: 23-Apr-25 Analyzed: 24-Apr-25

GRO C6-C10	180	10.0	mg/kg	200		89.9	81.5-123		
DRO >C10-C28	178	10.0	mg/kg	200		88.9	77.7-122		
Total TPH C6-C28	357	10.0	mg/kg	400		89.4	80.9-121		
Surrogate: 1-Chlorooctane	50.5		mg/kg	50.0		101	44.4-145		
Surrogate: 1-Chlorooctadecane	50.7		mg/kg	50.0		101	40.6-153		

**LCS Dup (5042309-BS1)**

Prepared: 23-Apr-25 Analyzed: 24-Apr-25

GRO C6-C10	182	10.0	mg/kg	200		91.1	81.5-123	1.42	13
DRO >C10-C28	178	10.0	mg/kg	200		89.0	77.7-122	0.201	15.6
Total TPH C6-C28	360	10.0	mg/kg	400		90.1	80.9-121	0.814	18.5
Surrogate: 1-Chlorooctane	50.4		mg/kg	50.0		101	44.4-145		
Surrogate: 1-Chlorooctadecane	52.3		mg/kg	50.0		105	40.6-153		

**Batch 5042310 - General Prep - Organics****Blank (5042310-BLK1)**

Prepared: 23-Apr-25 Analyzed: 24-Apr-25

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	46.9		mg/kg	50.0		93.7	44.4-145		
Surrogate: 1-Chlorooctadecane	47.9		mg/kg	50.0		95.9	40.6-153		

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5042310 - General Prep - Organics****LCS (5042310-BS1)**

Prepared: 23-Apr-25 Analyzed: 24-Apr-25

GRO C6-C10	189	10.0	mg/kg	200		94.4	81.5-123		
DRO >C10-C28	177	10.0	mg/kg	200		88.3	77.7-122		
Total TPH C6-C28	365	10.0	mg/kg	400		91.4	80.9-121		
Surrogate: 1-Chlorooctane	53.2		mg/kg	50.0		106	44.4-145		
Surrogate: 1-Chlorooctadecane	54.7		mg/kg	50.0		109	40.6-153		

**LCS Dup (5042310-BS1)**

Prepared: 23-Apr-25 Analyzed: 24-Apr-25

GRO C6-C10	189	10.0	mg/kg	200		94.6	81.5-123	0.213	13
DRO >C10-C28	178	10.0	mg/kg	200		89.0	77.7-122	0.767	15.6
Total TPH C6-C28	367	10.0	mg/kg	400		91.8	80.9-121	0.482	18.5
Surrogate: 1-Chlorooctane	52.2		mg/kg	50.0		104	44.4-145		
Surrogate: 1-Chlorooctadecane	53.8		mg/kg	50.0		108	40.6-153		

**Batch 5042311 - General Prep - Organics****Blank (5042311-BLK1)**

Prepared: 23-Apr-25 Analyzed: 24-Apr-25

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	48.5		mg/kg	50.0		97.0	44.4-145		
Surrogate: 1-Chlorooctadecane	47.9		mg/kg	50.0		95.7	40.6-153		

**LCS (5042311-BS1)**

Prepared: 23-Apr-25 Analyzed: 24-Apr-25

GRO C6-C10	187	10.0	mg/kg	200		93.6	81.5-123		
DRO >C10-C28	193	10.0	mg/kg	200		96.7	77.7-122		
Total TPH C6-C28	381	10.0	mg/kg	400		95.2	80.9-121		
Surrogate: 1-Chlorooctane	55.5		mg/kg	50.0		111	44.4-145		
Surrogate: 1-Chlorooctadecane	54.4		mg/kg	50.0		109	40.6-153		

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**Analytical Results For:**

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

Project: BATMAN 1 CTB  
Project Number: PERMIAN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
29-Apr-25 15:52

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5042311 - General Prep - Organics****LCS Dup (5042311-BSD1)**

Prepared: 23-Apr-25 Analyzed: 24-Apr-25

GRO C6-C10	188	10.0	mg/kg	200		93.8	81.5-123	0.148	13	
DRO >C10-C28	194	10.0	mg/kg	200		97.2	77.7-122	0.510	15.6	
Total TPH C6-C28	382	10.0	mg/kg	400		95.5	80.9-121	0.332	18.5	
Surrogate: 1-Chlorooctane	53.4		mg/kg	50.0		107	44.4-145			
Surrogate: 1-Chlorooctadecane	52.2		mg/kg	50.0		104	40.6-153			

**Batch 5042321 - General Prep - Organics****Blank (5042321-BLK1)**

Prepared: 23-Apr-25 Analyzed: 24-Apr-25

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	45.5		mg/kg	50.0		91.0	44.4-145			
Surrogate: 1-Chlorooctadecane	45.0		mg/kg	50.0		90.0	40.6-153			

**LCS (5042321-BS1)**

Prepared: 23-Apr-25 Analyzed: 24-Apr-25

GRO C6-C10	177	10.0	mg/kg	200		88.6	81.5-123			
DRO >C10-C28	181	10.0	mg/kg	200		90.3	77.7-122			
Total TPH C6-C28	358	10.0	mg/kg	400		89.4	80.9-121			
Surrogate: 1-Chlorooctane	50.0		mg/kg	50.0		100	44.4-145			
Surrogate: 1-Chlorooctadecane	50.1		mg/kg	50.0		100	40.6-153			

**LCS Dup (5042321-BSD1)**

Prepared: 23-Apr-25 Analyzed: 24-Apr-25

GRO C6-C10	181	10.0	mg/kg	200		90.6	81.5-123	2.30	13	
DRO >C10-C28	185	10.0	mg/kg	200		92.7	77.7-122	2.63	15.6	
Total TPH C6-C28	367	10.0	mg/kg	400		91.7	80.9-121	2.46	18.5	
Surrogate: 1-Chlorooctane	52.2		mg/kg	50.0		104	44.4-145			
Surrogate: 1-Chlorooctadecane	51.9		mg/kg	50.0		104	40.6-153			

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Celey D. Keene, Lab Director/Quality Manager

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### Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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

<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>	
<b>Company Name:</b> Paragon Environmental		<b>P.O. #:</b>	
<b>Project Manager:</b> Chris Jones		<b>Company:</b> Palmian	
<b>Address:</b> 1601 N. Turner St., Ste 500		<b>Attn:</b>	
<b>City:</b> Hobbs	<b>State:</b> NM <b>zip:</b> 88240	<b>Address:</b>	
<b>Phone #:</b> 575-964-7814	<b>Fax #:</b>	<b>City:</b>	
<b>Project #:</b>	<b>Project Owner:</b>	<b>State:</b>	
<b>Project Name:</b> "Edman - CTR"	<b>Project Location:</b> "Lee County"	<b>Zip:</b>	
<b>Sample Name:</b> "Harris Co. Toledo"	<b>Fax #:</b>	<b>Phone #:</b>	
<small>FOR LAB USE ONLY</small>		<b>MATRIX</b>	<b>SAMPLING</b>
		(G)RAB OR (C)OMP.	
		# CONTAINERS	
		GROUNDWATER	
		WASTEWATER	
		SOIL	
		OIL	
		SLUDGE	
		OTHER :	
		ACID/BASE:	
		ICE / COOL	
		OTHER :	
<b>Lab I.D.</b>	<b>Sample I.D.</b>	<b>DATE</b>	<b>TIME</b>
HAS 3498	5-51 Z'	4/21	
1	5-52 Z'		
2	5-53 Z'		
3	5-54 Z'		
4	5-55 Z'		
5	5-56 Z'		
6	5-57 Z'		
7	5-58 Z'		
8	5-59 Z'		
9	5-60 Z'		
10			

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<b>Relinquished By:</b> [Signature]	<b>Date:</b> 4/23/05	<b>Received By:</b> [Signature]	<b>Phone Result:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>Add'l Phone #:</b>
<b>Relinquished By:</b>	<b>Date:</b>	<b>Received By:</b>	<b>Fax Result:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>Add'l Fax #:</b>
<b>REMARKS:</b>				

<b>Delivered By:</b> (Circle One) <u>-14.03/GFD-3-</u>	<b>Sample Condition</b>	<b>CHECKED BY:</b>
<b>Sampler - UPS - Bus - Other:</b> <u>13-7c #140</u>	<input type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	[Signature] (Initials)





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: 11																																					
Address: 1601 N. Turner St., Ste 500		Attn:																																					
City: Hobbs		Address:																																					
Phone #: 575-964-7814		City:																																					
Fax #:		State:																																					
Project #:		Zip:																																					
Project Name: 11		Phone #:																																					
Project Location: 11		Fax #:																																					
Sampler Name: 11																																							
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											
H333333		S-01 21		h																						4/24				TPH BTEX CHLORIDES									
11		S-02 21																																					
12		S-03 11																																					
13		S-04 11																																					
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20		S-11 11																																					
<p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising from 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.</p>																																							
Relinquished By:		Date: 4:33:35		Received By:		Stockingery		Phone Result:		<input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:																											
Relinquished By: <i>Tr</i>		Date: 0851		Received By:				Fax Result:		<input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:																											
Time:				Time:				REMARKS:																															
Delivered By: (Circle One) -140:00:00-3:		Sample Condition		CHECKED BY:																																			
Sampler - UPS - Bus - Other: -13.7:00:140		Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/>		(Initials)																																			
		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		882																																			

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### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

<b>Company Name:</b> Paragon Environmental				<b>P.O. #:</b>		<b>BILL TO</b>												<b>ANALYSIS REQUEST</b>																																	
<b>Project Manager:</b> Chris Jones				<b>Company:</b> U																																															
<b>Address:</b> 1601 N. Turner St., Ste 500				<b>Attn:</b>																																															
<b>City:</b> Hobbs				<b>State:</b> NM		<b>zip:</b> 88240																																													
<b>Phone #:</b> 575-964-7814				<b>Fax #:</b>		<b>Address:</b>																																													
<b>Project #:</b>				<b>Project Owner:</b>		<b>City:</b>																																													
<b>Project Name:</b> 11				<b>State:</b>		<b>Zip:</b>																																													
<b>Project Location:</b> 11				<b>Phone #:</b>		<b>Fax #:</b>																																													
<b>Sampler Name:</b> U				<b>MATRIX</b>		<b>PRESERV</b>		<b>SAMPLING</b>																																											
<b>FOR LAB USE ONLY</b>				<b>(G)RAB OR (C)OMP.</b>		<b># CONTAINERS</b>		<b>GROUNDWATER</b>		<b>WASTEWATER</b>		<b>SOIL</b>		<b>OIL</b>		<b>SLUDGE</b>		<b>OTHER :</b>		<b>ACID/BASE:</b>		<b>ICE / COOL</b>		<b>OTHER :</b>																											
<b>Lab I.D.</b>  H853438				<b>Sample I.D.</b>		G																																													
B1				S-71		1'		DATE		TIME																																									
B2				S-72		1'		4/21																																											
B3				S-73		1'																																													
B4				S-74		1'																																													
B5				S-75		1'																																													
B6				S-76		1'																																													
B7				S-77		1'																																													
B8				S-78		1'																																													
B9				S-79		1'																																													
B0				S-80		1'																																													

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<b>Relinquished By:</b>				<b>Date:</b> 4/23/05		<b>Received By:</b> SPODIGNERY		<b>Time:</b> 0851		<b>Phone Result:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>Add'l Phone #:</b>	
<b>Relinquished By:</b> Jc CR				<b>Date:</b>		<b>Received By:</b>		<b>Time:</b>		<b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Add'l Fax #:</b>	
<b>Delivered By:</b> (Circle One) -14.0 : 140.3				<b>Sample Condition</b>		<b>CHECKED BY:</b> SR		<b>REMARKS:</b>					
<b>Sampler - UPS - Bus - Other:</b> -13.7 : #141				<b>Cool Intact</b>		<b>Yes</b> <input checked="" type="checkbox"/> <b>No</b> <input type="checkbox"/>							





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: 11													
Address: 1601 N. Turner St., Ste 500		Attn:													
City: Hobbs		Address:													
Phone #: 575-964-7814		City:													
Fax #:		State:													
Project #:		Zip:													
Project Name: 11		Phone #:													
Project Location: 11		Fax #:													
Sampler Name: 11		DATE		TIME											
FOR LAB USE ONLY		TIME		TIME											
Lab I.D.		Sample I.D.													
H553438		ESW-1		4/21											
31		SSW-2													
32		SSW-3													
33		SSW-4													
34		SSW-5													
35		SSW-6													
36		SSW-7													
37		SSW-8													
38		SSW-9													
39		SSW-10													
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Relinquished By: For 121 Date: 4/23/25 Time: 0851 Received By: Shodrigue

Delivered By: (Circle One) -14.0 10.0 20.0 30.0 Sample Condition: ☒ Cool ☐ Intact ☐ Yes ☐ No

Sampler - UPS - Bus - Other: -13.7 #140 CHECKED BY: SK

REMARKS: \* Customer suggested Depth change. 4/29/25

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Paragon Environmental		P.O. #:		BILL TO																	
Project Manager: Chris Jones		Company: '1'		ANALYSIS REQUEST																	
Address: 1601 N. Turner St., Ste 500		Attn:																			
City: Hobbs		Address:																			
Phone #: 575-964-7814		City:																			
Fax #:		State:																			
Project #:		Zip:																			
Project Name: '1'		Phone #:																			
Project Location: ''		Fax #:																			
Sampler Name: ''																					
FOR LAB USE ONLY																					
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.	SAMPLING												
				GROUNDWATER																	
				WASTEWATER																	
				SOIL																	
				OIL																	
				SLUDGE																	
				OTHER :																	
				ACID/BASE:																	
				ICE / COOL																	
				OTHER :																	
				DATE	TIME																
4352438	NSW 11 3' 4'		4	4/21																	
41	NSW 12 3' 1'																				
42	NSW 13 3' 1'																				
43	NSW 14 3' 1'																				
44	NSW 15 2'																				
45	NSW 16 2'																				
46	NSW 17 2'																				
47	NSW 18 2'																				
48	NSW 19 2'																				
49	NSW 20 2'																				
50	NSW 21 2'																				
PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising from this 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 notions or otherwise.																					
Relinquished By: <i>JK</i>		Date: 4/23/25		Received By: <i>Spodkiewicz</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No								Add'l Phone #:							
Relinquished By: <i>JK</i>		Date: 4/23/25		Received By: <i>Spodkiewicz</i>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No								Add'l Fax #:							
Delivered By: (Circle One) -14.0 SIC TO 3:		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/>		CHECKED BY: <i>SK</i>		REMARKS: * Customer requested Depth changes. re 4/29/25															
Sampler - UPS - Bus - Other: -13.72 #140		Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/>																			

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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				<b>BILL TO</b>				ANALYSIS REQUEST																			
Project Manager: Chris Jones				P.O. #:																							
Address: 1601 N. Turner St., Ste 500				Company: U																							
City: Hobbs				Attn:																							
Phone #: 575-964-7814				Address:																							
Fax #: 575-964-7814				City:																							
Project #:				State: NM Zip: 88240																							
Project Name: U				Project Owner:																							
Project Location: U				State: Zip:																							
Sample Name: U				Phone #:																							
Fax #:				SAMPLING																							
FOR LAB USE ONLY				PRESERV																							
Lab I.D.				Sample I.D.				(G)RAB OR (C)OMP.				# CONTAINERS				DATE				TIME							
								GROUNDWATER				WASTEWATER															
								SOIL																			
								OIL																			
								SLUDGE																			
								OTHER :																			
								ACID/BASE:																			
								ICE / COOL																			
								OTHER :																			
51				SSW-22 U				A								4/21											
52				ESW-24 U																							
53				USW-23 U																							
54				USW-24 U																							
55				USW-25 U																							
56				USW-26 U																							
57				ESW-27 U																							
58				ESW-28 U																							
59				ESW-29 U																							
60				ESW-30 U																							
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Relinquished By: [Signature]																											
Date: 4/23/25																											
Time: 0851																											
Received By: [Signature]																											
Date: [Blank]																											
Time: [Blank]																											
Delivered By: (Circle One) -14.0 U / 0.3 U																											
Sampler - UPS - Bus - Other: -13.7 U / #140																											
Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>																											
Checked By: [Signature]																											
REMARKS:																											
Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No																											
Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No																											
Add'l Phone #: [Blank]																											
Add'l Fax #: [Blank]																											

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



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

June 10, 2025

CHRIS JONES

PARAGON ENVIROMENTAL

1601 N TURNER ST., STE 500

HOBBS, NM 88240

RE: BATMAN 1 CTB

Enclosed are the results of analyses for samples received by the laboratory on 06/04/25 11:19.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/03/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 39 4' (H253329-01)**

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	06/04/2025	ND	2.17	108	2.00	2.15	
Toluene*	<0.050	0.050	06/04/2025	ND	2.00	99.9	2.00	3.02	
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.01	100	2.00	4.04	
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.16	103	6.00	4.55	
Total BTX	<0.300	0.300	06/04/2025	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	06/04/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/04/2025	ND	187	93.5	200	1.30	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	177	88.4	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 78.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.9 % 40.6-153

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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/03/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 41 4' (H253329-02)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/04/2025	ND	2.17	108	2.00	2.15		
Toluene*	<0.050	0.050	06/04/2025	ND	2.00	99.9	2.00	3.02		
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.01	100	2.00	4.04		
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.16	103	6.00	4.55		
Total BTX	<0.300	0.300	06/04/2025	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	<16.0	16.0	06/04/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/04/2025	ND	187	93.5	200	1.30	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	177	88.4	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 84.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.3 % 40.6-153

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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/03/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 42 4' (H253329-03)**

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	06/04/2025	ND	2.17	108	2.00	2.15	
Toluene*	<0.050	0.050	06/04/2025	ND	2.00	99.9	2.00	3.02	
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.01	100	2.00	4.04	
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.16	103	6.00	4.55	
Total BTX	<0.300	0.300	06/04/2025	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	32.0	16.0	06/04/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/04/2025	ND	187	93.5	200	1.30	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	177	88.4	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 84.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.9 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/03/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 43 4' (H253329-04)**

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	06/04/2025	ND	2.17	108	2.00	2.15		
Toluene*	<0.050	0.050	06/04/2025	ND	2.00	99.9	2.00	3.02		
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.01	100	2.00	4.04		
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.16	103	6.00	4.55		
Total BTEx	<0.300	0.300	06/04/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/04/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/04/2025	ND	187	93.5	200	1.30	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	177	88.4	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 78.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/03/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 44 4' (H253329-05)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2025	ND	2.17	108	2.00	2.15	
Toluene*	<0.050	0.050	06/04/2025	ND	2.00	99.9	2.00	3.02	
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.01	100	2.00	4.04	
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.16	103	6.00	4.55	
Total BTX	<0.300	0.300	06/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 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	06/04/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/04/2025	ND	187	93.5	200	1.30	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	177	88.4	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 80.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.1 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/03/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 45 4' (H253329-06)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/04/2025	ND	2.17	108	2.00	2.15		
Toluene*	<0.050	0.050	06/04/2025	ND	2.00	99.9	2.00	3.02		
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.01	100	2.00	4.04		
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.16	103	6.00	4.55		
Total BTEx	<0.300	0.300	06/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	06/04/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/04/2025	ND	187	93.5	200	1.30	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	177	88.4	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 79.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.3 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/03/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 46 4' (H253329-07)**

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	06/04/2025	ND	2.17	108	2.00	2.15	
Toluene*	<0.050	0.050	06/04/2025	ND	2.00	99.9	2.00	3.02	
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.01	100	2.00	4.04	
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.16	103	6.00	4.55	
Total BTX	<0.300	0.300	06/04/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/04/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/04/2025	ND	187	93.5	200	1.30	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	177	88.4	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 81.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.5 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/03/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 47 4' (H253329-08)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/04/2025	ND	2.17	108	2.00	2.15		
Toluene*	<0.050	0.050	06/04/2025	ND	2.00	99.9	2.00	3.02		
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.01	100	2.00	4.04		
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.16	103	6.00	4.55		
Total BTEX	<0.300	0.300	06/04/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	06/04/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/04/2025	ND	187	93.5	200	1.30	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	177	88.4	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 76.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/03/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 48 4' (H253329-09)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/04/2025	ND	2.17	108	2.00	2.15		
Toluene*	<0.050	0.050	06/04/2025	ND	2.00	99.9	2.00	3.02		
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.01	100	2.00	4.04		
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.16	103	6.00	4.55		
Total BTEx	<0.300	0.300	06/04/2025	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	<16.0	16.0	06/04/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/04/2025	ND	187	93.5	200	1.30	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	177	88.4	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 82.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.8 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/03/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 49 4' (H253329-10)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/04/2025	ND	2.17	108	2.00	2.15		
Toluene*	<0.050	0.050	06/04/2025	ND	2.00	99.9	2.00	3.02		
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.01	100	2.00	4.04		
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.16	103	6.00	4.55		
Total BTX	<0.300	0.300	06/04/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/04/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/04/2025	ND	187	93.5	200	1.30	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	177	88.4	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 85.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.2 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/03/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 50 4' (H253329-11)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/04/2025	ND	2.17	108	2.00	2.15		
Toluene*	<0.050	0.050	06/04/2025	ND	2.00	99.9	2.00	3.02		
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.01	100	2.00	4.04		
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.16	103	6.00	4.55		
Total BTEx	<0.300	0.300	06/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/04/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/04/2025	ND	187	93.5	200	1.30	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	177	88.4	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 80.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.4 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/03/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 51 4' (H253329-12)**

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	06/04/2025	ND	2.17	108	2.00	2.15	
Toluene*	<0.050	0.050	06/04/2025	ND	2.00	99.9	2.00	3.02	
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.01	100	2.00	4.04	
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.16	103	6.00	4.55	
Total BTX	<0.300	0.300	06/04/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/04/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/04/2025	ND	187	93.5	200	1.30	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	177	88.4	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 76.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.1 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/03/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 52 4' (H253329-13)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/04/2025	ND	2.17	108	2.00	2.15		
Toluene*	<0.050	0.050	06/04/2025	ND	2.00	99.9	2.00	3.02		
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.01	100	2.00	4.04		
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.16	103	6.00	4.55		
Total BTEx	<0.300	0.300	06/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	06/04/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/04/2025	ND	187	93.5	200	1.30	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	177	88.4	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 82.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.1 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/03/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 53 4' (H253329-14)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/04/2025	ND	2.17	108	2.00	2.15		
Toluene*	<0.050	0.050	06/04/2025	ND	2.00	99.9	2.00	3.02		
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.01	100	2.00	4.04		
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.16	103	6.00	4.55		
Total BTEx	<0.300	0.300	06/04/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/04/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/04/2025	ND	187	93.5	200	1.30	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	177	88.4	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 74.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.4 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/03/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 54 4' (H253329-15)**

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	06/04/2025	ND	2.17	108	2.00	2.15	
Toluene*	<0.050	0.050	06/04/2025	ND	2.00	99.9	2.00	3.02	
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.01	100	2.00	4.04	
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.16	103	6.00	4.55	
Total BTX	<0.300	0.300	06/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	06/04/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/04/2025	ND	187	93.5	200	1.30	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	177	88.4	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 79.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.8 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/03/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 55 4' (H253329-16)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/04/2025	ND	2.17	108	2.00	2.15		
Toluene*	<0.050	0.050	06/04/2025	ND	2.00	99.9	2.00	3.02		
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.01	100	2.00	4.04		
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.16	103	6.00	4.55		
Total BTEx	<0.300	0.300	06/04/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/04/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/04/2025	ND	187	93.5	200	1.30	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	177	88.4	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 81.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.3 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/03/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 62 4' (H253329-17)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/04/2025	ND	1.68	84.1	2.00	13.3		
Toluene*	<0.050	0.050	06/04/2025	ND	1.76	88.1	2.00	13.0		
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	1.75	87.3	2.00	12.6	QM-07	
Total Xylenes*	<0.150	0.150	06/04/2025	ND	5.13	85.6	6.00	13.2	QM-07	
Total BTEx	<0.300	0.300	06/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	06/04/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/04/2025	ND	187	93.5	200	1.30	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	177	88.4	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 83.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.8 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/03/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 63 4' (H253329-18)**

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	06/04/2025	ND	1.68	84.1	2.00	13.3		
Toluene*	<0.050	0.050	06/04/2025	ND	1.76	88.1	2.00	13.0		
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	1.75	87.3	2.00	12.6		
Total Xylenes*	<0.150	0.150	06/04/2025	ND	5.13	85.6	6.00	13.2		
Total BTX	<0.300	0.300	06/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	06/04/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2025	ND	181	90.6	200	0.272	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	188	93.8	200	0.254	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 82.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.4 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/03/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 64 4' (H253329-19)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/04/2025	ND	1.68	84.1	2.00	13.3		
Toluene*	<0.050	0.050	06/04/2025	ND	1.76	88.1	2.00	13.0		
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	1.75	87.3	2.00	12.6		
Total Xylenes*	<0.150	0.150	06/04/2025	ND	5.13	85.6	6.00	13.2		
Total BTEX	<0.300	0.300	06/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	480	16.0	06/04/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2025	ND	181	90.6	200	0.272	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	188	93.8	200	0.254	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 81.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.9 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/03/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 65 4' (H253329-20)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2025	ND	1.68	84.1	2.00	13.3	
Toluene*	<0.050	0.050	06/04/2025	ND	1.76	88.1	2.00	13.0	
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	1.75	87.3	2.00	12.6	
Total Xylenes*	<0.150	0.150	06/04/2025	ND	5.13	85.6	6.00	13.2	
Total BTEX	<0.300	0.300	06/04/2025	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	192	16.0	06/04/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2025	ND	181	90.6	200	0.272	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	188	93.8	200	0.254	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 79.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.1 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/03/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 66 4' (H253329-21)**

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	06/04/2025	ND	1.68	84.1	2.00	13.3		
Toluene*	<0.050	0.050	06/04/2025	ND	1.76	88.1	2.00	13.0		
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	1.75	87.3	2.00	12.6		
Total Xylenes*	<0.150	0.150	06/04/2025	ND	5.13	85.6	6.00	13.2		
Total BTEx	<0.300	0.300	06/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	496	16.0	06/04/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2025	ND	181	90.6	200	0.272	
DRO >C10-C28*	28.6	10.0	06/05/2025	ND	188	93.8	200	0.254	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 86.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.0 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/03/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 67 4' (H253329-22)**

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	06/04/2025	ND	1.68	84.1	2.00	13.3		
Toluene*	<0.050	0.050	06/04/2025	ND	1.76	88.1	2.00	13.0		
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	1.75	87.3	2.00	12.6		
Total Xylenes*	<0.150	0.150	06/04/2025	ND	5.13	85.6	6.00	13.2		
Total BTX	<0.300	0.300	06/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	1040	16.0	06/04/2025	ND	432	108	400	3.77	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2025	ND	181	90.6	200	0.272	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	188	93.8	200	0.254	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 77.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.5 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/03/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 68 4' (H253329-23)**

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	06/04/2025	ND	1.68	84.1	2.00	13.3		
Toluene*	<0.050	0.050	06/04/2025	ND	1.76	88.1	2.00	13.0		
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	1.75	87.3	2.00	12.6		
Total Xylenes*	<0.150	0.150	06/04/2025	ND	5.13	85.6	6.00	13.2		
Total BTEX	<0.300	0.300	06/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	144	16.0	06/04/2025	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	06/05/2025	ND	181	90.6	200	0.272	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	188	93.8	200	0.254	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 81.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.6 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/03/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 69 4' (H253329-24)**

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	06/04/2025	ND	1.68	84.1	2.00	13.3		
Toluene*	<0.050	0.050	06/04/2025	ND	1.76	88.1	2.00	13.0		
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	1.75	87.3	2.00	12.6		
Total Xylenes*	<0.150	0.150	06/04/2025	ND	5.13	85.6	6.00	13.2		
Total BTEx	<0.300	0.300	06/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	160	16.0	06/04/2025	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	06/06/2025	ND	181	90.6	200	0.272	
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	188	93.8	200	0.254	
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND					

Surrogate: 1-Chlorooctane 79.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.2 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/03/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 70 4' (H253329-25)**

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	06/04/2025	ND	1.68	84.1	2.00	13.3		
Toluene*	<0.050	0.050	06/04/2025	ND	1.76	88.1	2.00	13.0		
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	1.75	87.3	2.00	12.6		
Total Xylenes*	<0.150	0.150	06/04/2025	ND	5.13	85.6	6.00	13.2		
Total BTEx	<0.300	0.300	06/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	576	16.0	06/04/2025	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	06/05/2025	ND	181	90.6	200	0.272	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	188	93.8	200	0.254	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 82.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.9 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/03/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 71 4' (H253329-26)**

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	06/04/2025	ND	1.68	84.1	2.00	13.3		
Toluene*	<0.050	0.050	06/04/2025	ND	1.76	88.1	2.00	13.0		
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	1.75	87.3	2.00	12.6		
Total Xylenes*	<0.150	0.150	06/04/2025	ND	5.13	85.6	6.00	13.2		
Total BTEX	<0.300	0.300	06/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	544	16.0	06/04/2025	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	06/05/2025	ND	181	90.6	200	0.272	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	188	93.8	200	0.254	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 75.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.5 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/03/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 72 4' (H253329-27)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/04/2025	ND	1.68	84.1	2.00	13.3		
Toluene*	<0.050	0.050	06/04/2025	ND	1.76	88.1	2.00	13.0		
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	1.75	87.3	2.00	12.6		
Total Xylenes*	<0.150	0.150	06/04/2025	ND	5.13	85.6	6.00	13.2		
Total BTX	<0.300	0.300	06/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 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	06/04/2025	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	06/05/2025	ND	181	90.6	200	0.272	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	188	93.8	200	0.254	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 80.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.4 % 40.6-153

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\*=Accredited Analyte

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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







Released to Imaging: 7/15/2025 11:07:15 AM





1. *Veronica canicola* Griseb. var.

L

† Cardinal cannot account well.

Page 32 of 32



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

June 10, 2025

CHRIS JONES

PARAGON ENVIROMENTAL

1601 N TURNER ST., STE 500

HOBBS, NM 88240

RE: BATMAN 1 CTB

Enclosed are the results of analyses for samples received by the laboratory on 06/04/25 16:24.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://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 fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 4 10' (H253353-01)**

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	06/06/2025	ND	1.98	98.9	2.00	7.85	
Toluene*	<0.050	0.050	06/06/2025	ND	1.99	99.7	2.00	11.8	
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.00	100	2.00	14.0	
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.22	104	6.00	14.9	
Total BTX	<0.300	0.300	06/06/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/05/2025	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	06/05/2025	ND	211	105	200	2.64	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	197	98.3	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 72.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.0 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 8 10' (H253353-02)**

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	06/06/2025	ND	1.98	98.9	2.00	7.85		
Toluene*	<0.050	0.050	06/06/2025	ND	1.99	99.7	2.00	11.8		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.00	100	2.00	14.0		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.22	104	6.00	14.9		
Total BTEx	<0.300	0.300	06/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/05/2025	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	06/05/2025	ND	211	105	200	2.64	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	197	98.3	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 71.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.8 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 21 10' (H253353-03)**

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	06/06/2025	ND	1.98	98.9	2.00	7.85		
Toluene*	<0.050	0.050	06/06/2025	ND	1.99	99.7	2.00	11.8		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.00	100	2.00	14.0		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.22	104	6.00	14.9		
Total BTX	<0.300	0.300	06/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	06/05/2025	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	06/05/2025	ND	211	105	200	2.64	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	197	98.3	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 77.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.2 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 22 10' (H253353-04)**

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	06/06/2025	ND	1.98	98.9	2.00	7.85	
Toluene*	<0.050	0.050	06/06/2025	ND	1.99	99.7	2.00	11.8	
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.00	100	2.00	14.0	
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.22	104	6.00	14.9	
Total BTEX	<0.300	0.300	06/06/2025	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	32.0	16.0	06/05/2025	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	06/05/2025	ND	211	105	200	2.64	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	197	98.3	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 73.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.1 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 23 10' (H253353-05)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/06/2025	ND	1.98	98.9	2.00	7.85		
Toluene*	<0.050	0.050	06/06/2025	ND	1.99	99.7	2.00	11.8		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.00	100	2.00	14.0		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.22	104	6.00	14.9		
Total BTX	<0.300	0.300	06/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	06/05/2025	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	06/05/2025	ND	211	105	200	2.64	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	197	98.3	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 73.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.4 % 40.6-153

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**Analytical Results For:**

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

Received: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 24 10' (H253353-06)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/05/2025	ND	2.08	104	2.00	3.06	
Toluene*	<0.050	0.050	06/05/2025	ND	2.17	108	2.00	3.46	
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.14	107	2.00	2.61	
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.61	110	6.00	2.50	
Total BTEX	<0.300	0.300	06/05/2025	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	06/05/2025	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	06/05/2025	ND	211	105	200	2.64	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	197	98.3	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 73.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.7 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 25 10' (H253353-07)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/05/2025	ND	2.08	104	2.00	3.06		
Toluene*	<0.050	0.050	06/05/2025	ND	2.17	108	2.00	3.46		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.14	107	2.00	2.61		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.61	110	6.00	2.50		
Total BTEx	<0.300	0.300	06/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/05/2025	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	06/05/2025	ND	211	105	200	2.64	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	197	98.3	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 81.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.3 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 26 10' (H253353-08)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/05/2025	ND	2.08	104	2.00	3.06		
Toluene*	<0.050	0.050	06/05/2025	ND	2.17	108	2.00	3.46		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.14	107	2.00	2.61		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.61	110	6.00	2.50		
Total BTEx	<0.300	0.300	06/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	06/05/2025	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	06/05/2025	ND	211	105	200	2.64	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	197	98.3	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 79.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.8 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 27 10' (H253353-09)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/05/2025	ND	2.08	104	2.00	3.06		
Toluene*	<0.050	0.050	06/05/2025	ND	2.17	108	2.00	3.46		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.14	107	2.00	2.61		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.61	110	6.00	2.50		
Total BTEx	<0.300	0.300	06/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	06/05/2025	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	06/05/2025	ND	211	105	200	0.0261	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	200	100	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 96.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.0 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 28 10' (H253353-10)**

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	06/05/2025	ND	2.08	104	2.00	3.06	
Toluene*	<0.050	0.050	06/05/2025	ND	2.17	108	2.00	3.46	
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.14	107	2.00	2.61	
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.61	110	6.00	2.50	
Total BTEX	<0.300	0.300	06/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/05/2025	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	06/05/2025	ND	211	105	200	0.0261	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	200	100	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 91.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.8 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 30 9' (H253353-11)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/05/2025	ND	2.08	104	2.00	3.06		
Toluene*	<0.050	0.050	06/05/2025	ND	2.17	108	2.00	3.46		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.14	107	2.00	2.61		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.61	110	6.00	2.50		
Total BTEX	<0.300	0.300	06/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	06/05/2025	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	06/05/2025	ND	211	105	200	0.0261	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	200	100	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 79.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.0 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 39 10' (H253353-12)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/05/2025	ND	2.08	104	2.00	3.06	
Toluene*	<0.050	0.050	06/05/2025	ND	2.17	108	2.00	3.46	
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.14	107	2.00	2.61	
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.61	110	6.00	2.50	
Total BTEX	<0.300	0.300	06/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/05/2025	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	06/05/2025	ND	211	105	200	0.0261	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	200	100	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 90.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.9 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 41 10' (H253353-13)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/05/2025	ND	2.08	104	2.00	3.06		
Toluene*	<0.050	0.050	06/05/2025	ND	2.17	108	2.00	3.46		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.14	107	2.00	2.61		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.61	110	6.00	2.50		
Total BTEX	<0.300	0.300	06/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	96.0	16.0	06/05/2025	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	06/05/2025	ND	211	105	200	0.0261	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	200	100	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 60.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.8 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 42 10' (H253353-14)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/05/2025	ND	2.08	104	2.00	3.06	
Toluene*	<0.050	0.050	06/05/2025	ND	2.17	108	2.00	3.46	
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.14	107	2.00	2.61	
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.61	110	6.00	2.50	
Total BTEX	<0.300	0.300	06/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	06/05/2025	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	06/05/2025	ND	211	105	200	0.0261	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	200	100	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 86.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.9 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 43 10' (H253353-15)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/05/2025	ND	2.08	104	2.00	3.06		
Toluene*	<0.050	0.050	06/05/2025	ND	2.17	108	2.00	3.46		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.14	107	2.00	2.61		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.61	110	6.00	2.50		
Total BTEX	<0.300	0.300	06/05/2025	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	80.0	16.0	06/05/2025	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	06/05/2025	ND	211	105	200	0.0261	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	200	100	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 91.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.8 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 44 10' (H253353-16)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/05/2025	ND	2.08	104	2.00	3.06		
Toluene*	<0.050	0.050	06/05/2025	ND	2.17	108	2.00	3.46		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.14	107	2.00	2.61		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.61	110	6.00	2.50		
Total BTEX	<0.300	0.300	06/05/2025	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	80.0	16.0	06/05/2025	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	06/05/2025	ND	211	105	200	0.0261	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	200	100	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 91.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.6 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 46 10' (H253353-18)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/05/2025	ND	2.08	104	2.00	3.06		
Toluene*	<0.050	0.050	06/05/2025	ND	2.17	108	2.00	3.46		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.14	107	2.00	2.61		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.61	110	6.00	2.50		
Total BTEx	<0.300	0.300	06/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	06/05/2025	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	06/05/2025	ND	211	105	200	0.0261	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	200	100	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 88.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.0 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 47 10' (H253353-19)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/06/2025	ND	2.08	104	2.00	3.06		
Toluene*	<0.050	0.050	06/06/2025	ND	2.17	108	2.00	3.46		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.14	107	2.00	2.61		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.61	110	6.00	2.50		
Total BTEX	<0.300	0.300	06/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/05/2025	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	06/05/2025	ND	211	105	200	0.0261	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	200	100	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 92.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 48 10' (H253353-20)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/06/2025	ND	2.08	104	2.00	3.06		
Toluene*	<0.050	0.050	06/06/2025	ND	2.17	108	2.00	3.46		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.14	107	2.00	2.61		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.61	110	6.00	2.50		
Total BTEX	<0.300	0.300	06/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	96.0	16.0	06/05/2025	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	06/05/2025	ND	211	105	200	0.0261	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	200	100	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 96.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.1 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 49 10' (H253353-21)**

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	06/06/2025	ND	2.08	104	2.00	3.06		
Toluene*	<0.050	0.050	06/06/2025	ND	2.17	108	2.00	3.46		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.14	107	2.00	2.61		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.61	110	6.00	2.50		
Total BTEX	<0.300	0.300	06/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	96.0	16.0	06/05/2025	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	06/05/2025	ND	211	105	200	0.0261	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	200	100	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 93.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.2 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 50 10' (H253353-22)**

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	06/06/2025	ND	2.08	104	2.00	3.06		
Toluene*	<0.050	0.050	06/06/2025	ND	2.17	108	2.00	3.46		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.14	107	2.00	2.61		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.61	110	6.00	2.50		
Total BTEX	<0.300	0.300	06/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/05/2025	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	06/05/2025	ND	211	105	200	0.0261	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	200	100	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 81.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.6 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 51 10' (H253353-23)**

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	06/06/2025	ND	2.08	104	2.00	3.06		
Toluene*	<0.050	0.050	06/06/2025	ND	2.17	108	2.00	3.46		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.14	107	2.00	2.61		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.61	110	6.00	2.50		
Total BTEX	<0.300	0.300	06/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/05/2025	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	06/05/2025	ND	211	105	200	0.0261	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	200	100	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 85.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.3 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 52 10' (H253353-24)**

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	06/06/2025	ND	2.08	104	2.00	3.06		
Toluene*	<0.050	0.050	06/06/2025	ND	2.17	108	2.00	3.46		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.14	107	2.00	2.61		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.61	110	6.00	2.50		
Total BTX	<0.300	0.300	06/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/05/2025	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	06/05/2025	ND	211	105	200	0.0261	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	200	100	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 90.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.4 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 53 10' (H253353-25)**

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	06/06/2025	ND	2.08	104	2.00	3.06		
Toluene*	<0.050	0.050	06/06/2025	ND	2.17	108	2.00	3.46		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.14	107	2.00	2.61		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.61	110	6.00	2.50		
Total BTEX	<0.300	0.300	06/06/2025	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	64.0	16.0	06/05/2025	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	06/05/2025	ND	211	105	200	0.0261	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	200	100	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 88.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.6 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 54 10' (H253353-26)**

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	06/06/2025	ND	2.08	104	2.00	3.06		
Toluene*	<0.050	0.050	06/06/2025	ND	2.17	108	2.00	3.46		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.14	107	2.00	2.61		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.61	110	6.00	2.50		
Total BTEX	<0.300	0.300	06/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	06/05/2025	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	06/05/2025	ND	211	105	200	0.0261	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	200	100	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 89.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.3 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 55 10' (H253353-27)**

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	06/05/2025	ND	2.12	106	2.00	1.34		
Toluene*	<0.050	0.050	06/05/2025	ND	1.97	98.4	2.00	1.86		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.00	100	2.00	2.20		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.14	102	6.00	1.99		
Total BTEX	<0.300	0.300	06/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/05/2025	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	06/05/2025	ND	211	105	200	0.0261	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	200	100	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 91.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.5 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 62 7' (H253353-28)**

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	06/05/2025	ND	2.12	106	2.00	1.34	
Toluene*	<0.050	0.050	06/05/2025	ND	1.97	98.4	2.00	1.86	
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.00	100	2.00	2.20	
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.14	102	6.00	1.99	
Total BTEX	<0.300	0.300	06/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/05/2025	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	06/05/2025	ND	211	105	200	0.0261	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	200	100	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 90.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.6 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 63 7' (H253353-29)**

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	06/05/2025	ND	2.12	106	2.00	1.34		
Toluene*	<0.050	0.050	06/05/2025	ND	1.97	98.4	2.00	1.86		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.00	100	2.00	2.20		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.14	102	6.00	1.99		
Total BTEX	<0.300	0.300	06/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 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	06/05/2025	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	06/05/2025	ND	211	105	200	0.0261	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	200	100	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 91.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.4 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 64 7' (H253353-30)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/05/2025	ND	2.12	106	2.00	1.34	
Toluene*	<0.050	0.050	06/05/2025	ND	1.97	98.4	2.00	1.86	
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.00	100	2.00	2.20	
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.14	102	6.00	1.99	
Total BTX	<0.300	0.300	06/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 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	96.0	16.0	06/05/2025	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	06/05/2025	ND	193	96.5	200	1.07	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	187	93.7	200	0.294	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 83.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.2 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 65 7' (H253353-31)**

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	06/05/2025	ND	2.12	106	2.00	1.34		
Toluene*	<0.050	0.050	06/05/2025	ND	1.97	98.4	2.00	1.86		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.00	100	2.00	2.20		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.14	102	6.00	1.99		
Total BTEX	<0.300	0.300	06/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 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	112	16.0	06/05/2025	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	06/05/2025	ND	193	96.5	200	1.07	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	187	93.7	200	0.294	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 81.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.9 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 66 7' (H253353-32)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/05/2025	ND	2.12	106	2.00	1.34	
Toluene*	<0.050	0.050	06/05/2025	ND	1.97	98.4	2.00	1.86	
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.00	100	2.00	2.20	
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.14	102	6.00	1.99	
Total BTEx	<0.300	0.300	06/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	06/05/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2025	ND	193	96.5	200	1.07	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	187	93.7	200	0.294	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 75.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.2 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 67 8' (H253353-33)**

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	06/05/2025	ND	2.12	106	2.00	1.34		
Toluene*	<0.050	0.050	06/05/2025	ND	1.97	98.4	2.00	1.86		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.00	100	2.00	2.20		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.14	102	6.00	1.99		
Total BTEx	<0.300	0.300	06/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 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	06/05/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2025	ND	193	96.5	200	1.07	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	187	93.7	200	0.294	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 84.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.4 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 68 8' (H253353-34)**

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	06/05/2025	ND	2.12	106	2.00	1.34		
Toluene*	<0.050	0.050	06/05/2025	ND	1.97	98.4	2.00	1.86		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.00	100	2.00	2.20		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.14	102	6.00	1.99		
Total BTEx	<0.300	0.300	06/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 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	06/05/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2025	ND	193	96.5	200	1.07	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	187	93.7	200	0.294	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 78.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.5 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 69 8' (H253353-35)**

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	06/05/2025	ND	2.12	106	2.00	1.34		
Toluene*	<0.050	0.050	06/05/2025	ND	1.97	98.4	2.00	1.86		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.00	100	2.00	2.20		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.14	102	6.00	1.99		
Total BTEx	<0.300	0.300	06/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	06/05/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2025	ND	193	96.5	200	1.07	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	187	93.7	200	0.294	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 79.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.1 % 40.6-153

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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 70 8' (H253353-36)**

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	06/05/2025	ND	2.12	106	2.00	1.34		
Toluene*	<0.050	0.050	06/05/2025	ND	1.97	98.4	2.00	1.86		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.00	100	2.00	2.20		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.14	102	6.00	1.99		
Total BTEx	<0.300	0.300	06/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 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	06/05/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2025	ND	193	96.5	200	1.07	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	187	93.7	200	0.294	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 86.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.7 % 40.6-153

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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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 71 8' (H253353-37)**

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	06/05/2025	ND	2.12	106	2.00	1.34	
Toluene*	<0.050	0.050	06/05/2025	ND	1.97	98.4	2.00	1.86	
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.00	100	2.00	2.20	
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.14	102	6.00	1.99	
Total BTEx	<0.300	0.300	06/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	06/05/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2025	ND	193	96.5	200	1.07	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	187	93.7	200	0.294	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 84.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.7 % 40.6-153

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: 06/04/2025  
Reported: 06/10/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 72 7' (H253353-38)**

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	06/05/2025	ND	2.12	106	2.00	1.34		
Toluene*	<0.050	0.050	06/05/2025	ND	1.97	98.4	2.00	1.86		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.00	100	2.00	2.20		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.14	102	6.00	1.99		
Total BTEx	<0.300	0.300	06/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 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	06/05/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2025	ND	193	96.5	200	1.07	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	187	93.7	200	0.294	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 82.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.8 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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		<b>BILL TO</b>		ANALYSIS REQUEST									
Project Manager: Chris Jones		P.O. #:											
Address: 1601 N. Turner St., Ste 500		Company: <u>Permian Resources</u>											
City: Hobbs		Attn:											
Phone #: 575-964-7814		Address:											
Fax #:		City:											
Project #:		State:											
Project Name: <u>Betman 1 CTB</u>		Zip:											
Project Location: <u>Lea County</u>		Phone #:											
Sample Name: <u>Francisco Robledo</u>		Fax #:											
FOR LAB USE ONLY		PRESERV		SAMPLING									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.											
		# CONTAINERS											
		GROUNDWATER											
		WASTEWATER											
		SOIL											
		OIL											
		SLUDGE											
		OTHER :											
		ACID/BASE:											
		ICE / COOL											
		OTHER :											
		DATE		TIME									
1053358		6/04				TPH							
1						BTEX							
2						CHLORIDES							
3													
4													
5													
6													
7													
8													
9													
10													

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Relinquished By: <u>FA</u>	Date: <u>6/04</u>	Received By: <u>APAR</u>	Time: <u>10:45</u>
Relinquished By:	Date:	Received By:	Time:

Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other: <u>SIC/Case</u>	<input checked="" type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact	<u>AR</u>
	<input type="checkbox"/> Yes <input type="checkbox"/> No	

REMARKS:

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

Fax Result: ☐ Yes ☐ No Add'l Fax #:

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





CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental		<b>BILL TO</b>		ANALYSIS REQUEST	
Project Manager: Chris Jones		P.O. #:			
Address: 1601 N. Turner St., Ste 500		Company: 11			
City: Hobbs		Attn:			
State: NM zip: 88240		Address:			
Phone #: 575-964-7814		City:			
Fax #:		State:			
Project #: 11		Zip:			
Project Name: 11		Phone #:			
Project Location: 11		Fax #:			
Sampler Name: 11					

FOR LAB USE ONLY		MATRIX		PRESERV	SAMPLING		
Lab I.D.		Sample I.D.					
H3S3358							
11	5-36	9'	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL
12	5-39	10'					
13	5-41	10'					
14	5-42	10'					
15	5-43	10'					
16	5-44	10'					
17	5-45	10'					
18	5-46	10'					
19	5-47	10'					
20	5-48	10'					

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Relinquished By: 11		Date: 6-4-05	Received By: [Signature]	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: 11		Date: 6-4-05	Received By: [Signature]	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 5-4-05 / 6-3-05		Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: [Signature]	REMARKS: #17 sample jar was empty. removed from C.O.C. + customer speeded up. 6-4-05	

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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: 11		ANALYSIS REQUEST																																			
Address: 1601 N. Turner St, Ste 500		Attn:																																					
City: Hobbs		Address:																																					
Phone #: 575-964-7814		City:																																					
Fax #: NM zip: 88240		State:																																					
Project #:		Zip:																																					
Project Name: 11		Phone #:																																					
Project Location: 11		Fax #:																																					
Sampler Name: 11																																							
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											
21	5-45 10'	C																						5/2/01				BTX											
22	5-50 10'																											CHLORIDES											
23	5-51 10'																																						
24	5-52 10'																																						
25	5-53 10'																																						
26	5-54 10'																																						
27	5-55 10'																																						
28	5-62 7'																																						
29	5-63 7'																																						
30	5-64 7'																																						

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Relinquished By:	Date: 6/4/01	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
For 6-11	Time: 10:04	Received By: [Signature]	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
Time:				

Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	
5-12 / 6403-	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
5-11 / 6403-	Yes <input type="checkbox"/> No <input type="checkbox"/>	

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### 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

June 17, 2025

CHRIS JONES

PARAGON ENVIROMENTAL

1601 N TURNER ST., STE 500

HOBBS, NM 88240

RE: BATMAN 1 CTB

Enclosed are the results of analyses for samples received by the laboratory on 06/11/25 16:38.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://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: 06/11/2025  
Reported: 06/17/2025  
Project Name: BATMAN 1 CTB  
Project Number: PERMIAN RESOURCES  
Project Location: LEA COUNTY

Sampling Date: 06/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: S - 45 10' (H253480-01)**

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	06/12/2025	ND	2.13	107	2.00	12.7	
Toluene*	<0.050	0.050	06/12/2025	ND	1.96	98.2	2.00	13.3	
Ethylbenzene*	<0.050	0.050	06/12/2025	ND	2.00	99.8	2.00	11.3	
Total Xylenes*	<0.150	0.150	06/12/2025	ND	6.17	103	6.00	10.4	
Total BTX	<0.300	0.300	06/12/2025	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	32.0	16.0	06/12/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2025	ND	229	115	200	0.385	
DRO >C10-C28*	<10.0	10.0	06/12/2025	ND	206	103	200	3.64	
EXT DRO >C28-C36	<10.0	10.0	06/12/2025	ND					

Surrogate: 1-Chlorooctane 95.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.2 % 40.6-153

Cardinal Laboratories

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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".

---

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  
State: NM zip: 88240

City: Hobbs

Phone #: 575-964-7814 Fax #:

Project #: Project Owner:

Project Name: Bother 1 CTB

Project Location: Franke County

Sampler Name: Franke Koble

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

1053480

5-45 10'

(G) RAB OR (C) OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

6/6/04

1

1

1

TPH

BTEX

CHLORIDES

## BILL TO

P.O. #:

Company: Permin Resources

Attn:

Address:

City:

State:

Zip:

Phone #:

Fax #:

PRESERV

SAMPLING

## ANALYSIS REQUEST

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusions 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:

Received By:

Date:

Time:

Date:

Time:

Received By:

Date:

Time:

Date:

Time:

Sample Condition

Cool Intact

Yes Yes

No No

No No

CHECKED BY:

(Initials)

AP

AP

AP

REMARKS:

Phone Result:

Yes Yes

No No

No No

No No

Yes Yes

No No

No No

No No

No No

Add'l Phone #:

Yes Yes

No No

No No

No No

Add'l Fax #:

Yes Yes

No No

No No

No No



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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS

Action 480314

**QUESTIONS**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 480314
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2504336953
Incident Name	NAPP2504336953 BATMAN CTB 1 @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received
Incident Facility	[fAPP2317035109] BATMAN CTB 1

**Location of Release Source**

Please answer all the questions in this group.

Site Name	Batman CTB 1
Date Release Discovered	02/12/2025
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: Equipment Failure   Fitting   Produced Water   Released: 165 BBL (Unknown Released Amount)   Recovered: 40 BBL   Lost: 125 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 480314

**QUESTIONS (continued)**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 480314
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
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.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	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: Matthew Taylor Title: Environmental Coordinator Email: matthew.taylor@permianres.com Date: 02/12/2025
--	--

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QUESTIONS, Page 3

Action 480314

**QUESTIONS (continued)**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 480314
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Site Characterization</b>	
<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 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

<b>Remediation Plan</b>	
<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
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	8400
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	172
GRO+DRO (EPA SW-846 Method 8015M)	138
BTEX (EPA SW-846 Method 8021B or 8260B)	0.1
Benzene (EPA SW-846 Method 8021B or 8260B)	0.1
<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	04/08/2025
On what date will (or did) the final sampling or liner inspection occur	06/03/2025
On what date will (or was) the remediation complete(d)	07/28/2025
What is the estimated surface area (in square feet) that will be reclaimed	15850
What is the estimated volume (in cubic yards) that will be reclaimed	2132
What is the estimated surface area (in square feet) that will be remediated	15850
What is the estimated volume (in cubic yards) that will be remediated	2132
<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 480314

**QUESTIONS (continued)**

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	Action Number: 480314
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<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>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	LEA LAND LANDFILL [fEEM0112342028]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<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: Matthew Taylor Title: Environmental Coordinator Email: <a href="mailto:matthew.taylor@permianres.com">matthew.taylor@permianres.com</a> Date: 06/30/2025
<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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Action 480314

QUESTIONS (continued)

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	Action Number:  480314
	Action Type:  [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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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Action 480314

**QUESTIONS (continued)**

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	Action Number: 480314
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	468839
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/03/2025
What was the (estimated) number of samples that were to be gathered	65
What was the sampling surface area in square feet	13000

**Remediation Closure Request**

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	No
--	----



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CONDITIONS

Action 480314

**CONDITIONS**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 480314
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**CONDITIONS**

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is Conditionally Approved. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards from Table 1 of the OCD Spill Rule for site assessment/characterization/proven depth to water determination. All sidewall samples should be taken from the sidewall of the excavation. Please make sure that the edge of the release extent is accurately defined. Sidewall/edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Please collect confirmation samples, representing no more than 200 ft2. All off-pad areas must meet reclamation standards in the OCD Spill Rule. The work will need to be completed in 90 days after the report has been reviewed.	7/15/2025