

Soil Type	Est. Pore Space
Clay	15%
Sandy Clay	12%
Silt	16%
Loess	25%
Fine Sand	16%
Med. Sand	25%
Coarse Sand	26%
Gravelly Sand	26%
Fine Gravel	26%
Med. Gravel	25%
Coarse Gravel	18%
Compacted Caliche Pad	16%
Loosely Compacted Caliche Pad	20%

Location:

Rule of Thumb

7.7 = Total Estimated Barrels of Oil in Soil

To Calculate The Oil Content of Saturated Soil

Average Pore Space Between Soil Grains Ranges From A **Low of 15% To A High of 26%**. Pure Sand Being 26%.

12% = Estimated Pore Space

Width Times Length Times Depth = Cubic Feet

15 = Width in **Feet**
4 = Length in **Feet**

0 = Depth in **Inches**
6 = Depth in Feet

There Are 7.48 Gallons Of Oil Per Cubic Foot

323.14 = Gallons of Oil In Soil

7.7 = Barrels of Oil In Soil

If different soil types are impacted (I.E. Caliche Pad and Sandy Clay Pasture Area), additional calculation boxes are provided below. If not, please make sure the dimensions are zeroed out before finalizing.

20% = Estimated Pore Space

20% = Estimated Pore Space

Width Times Length Times Depth = Cubic Feet

Width Times Length Times Depth = Cubic Feet

= Width in **Feet**
= Length in **Feet**
= Depth in **Inches**
0 = Depth in Feet

= Width in **Feet**
= Length in **Feet**
= Depth in **Inches**
0 = Depth in Feet

There Are 7.48 Gallons Of Oil Per Cubic Foot

There Are 7.48 Gallons Of Oil Per Cubic Foot

0.00 = Gallons of Oil In Soil

0.00 = Gallons of Oil In Soil

0.0 = Barrels of Oil In Soil

0.0 = Barrels of Oil In Soil



Site Characterization, Remediation, and Closure Report

**Red Hills Station Release
Lea County, New Mexico
Incident No. nAPP2329632113**

Plains All American Pipeline, L.P.

April 11, 2025

→ The Power of Commitment

Contents

1. Introduction	1
2. Background and Regulatory Notification Information	1
3. Site Characterization and Closure Criteria	1
4. Excavation, Confirmation Sampling, and Waste Management	2
4.1 Waste Characterization	2
5. Delineation Sampling	3
6. nAPP2329632113 Deferral Request	3
7. Summary of Activities and Conclusions	4
7.1 Scope and Limitations	4

Table index

Table 3.1	General Site Characterization and Groundwater Information	2
Table 3.2	Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29.12)	2
Table 1	Summary of Soil Analytical Results	

Figure index

Figure 1	Site Location Map
Figure 2	Sample Locations Map

Appendices

Appendix A	Release Notification and Corrective Action
Appendix B	Site Characterization and Receptor Review
Appendix C	Site Boring Logs
Appendix D	Certified Laboratory Analytical Reports

1. Introduction

GHD Services Inc. (GHD), on behalf of Plains All American (Plains), submits this *Site Characterization, Remediation, and Closure Report* to the State of New Mexico Energy, Minerals and Resource Oil Conservation Division (NMOCD) District I Office. This report provides documentation of Site characterization, assessment activities, and remediation activities in response to the release that occurred at the Plains Red Hills Station (Site). The Site is located in Unit Letter N Section 3 of Township 26 South and Range 32 East in Lea County, New Mexico. The Global Positioning System (GPS) coordinates for the release Site are 32.065494 ° N and 103.666772 ° W. The property owner where the release occurred is under the management of the New Mexico Bureau of Land Management (BLM). **Figure 1** depicts the Site location. The Site and other details are depicted on **Figure 2**.

2. Background and Regulatory Notification Information

The release is subject to the jurisdiction of the NMOCD District I Office in Hobbs, New Mexico. On October 23, 2023, Notice was given to the NMOCD via an electronic Notification of Release (NOR) submitted to the on-Site portal. A C-141 Release Notification for this release was submitted to the NMOCD on October 23, 2023. Plains estimated approximately 7.7 barrels (bbls) of crude oil were released with no recovery during initial response actions. The NMOCD subsequently assigned Incident Number nAPP2329632113 to the release. The Initial release notification form C-141 is included as Appendix A.

3. Site Characterization and Closure Criteria

The Site was characterized to assess applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (NMAC 19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are summarized below.

As no groundwater data was available within one-half mile of the Site, a depth to water (DTW) investigation boring was installed at the Site. On March 15, 2024, the boring was advanced to approximately 105 feet below ground surface (bgs) and is approximately 82 feet west of the release located at the following GPS coordinates, 32.065442 ° N and 103.667056 ° W. The boring was left open for 72 hours and a water level meter was utilized to determine the presence or absence of groundwater; no groundwater was detected in the boring. The boring was later plugged and abandoned by a licensed New Mexico water well driller.

The Site is located within an area of medium karst potential. The nearest fresh water well for livestock watering purposes and an occupied residence is located approximately 3.1 miles west of the Site. Based on information provided by the National Wetland Inventory (NWI) database, a riverine is located approximately 0.73 miles east of the Site.

No other receptors (i.e. water wells, playas, wetlands, waterways, lakebeds, or ordinance boundaries) were located within each regulatory specified distance and/or boundary from the Site. Based on national flood hazard data provided by the Federal Emergency Management Agency (FEMA), the Site is not located in a mapped floodplain. Based upon the State of New Mexico Energy, Minerals, and Natural Resources Department (EMNRD) data, the Site is not

overlying a subsurface mine. Documentation of the Site characterization and receptor review are included as Appendix B. Based on the results of the Site characterization, the closure criteria are listed below:

Table 3.1 General Site Characterization and Groundwater Information

Site Characterization	Average Groundwater Depth (ft)
Medium Karst Potential	>100 feet bgs

Table 3.2 Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29.12)

Regulatory Standard	Benzene (mg/kg)	BTEX (mg/kg)	TPH (GRO+DRO) (mg/kg)	TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
19.15.29.12 NMAC Table I Closure Criteria for Soils Impacted by a Release	10	50		100	600
Notes: = not defined					

4. Excavation, Confirmation Sampling, and Waste Management

From October 26, 2023 to November 3, 2023, GHD and Standard Safety and Supply (SS) mobilized to the Site to excavate the impacted area associated with the release. Excavation depths ranged from approximately 4 to 9 feet bgs. On November 3, 2023, GHD collected six confirmation soil samples from the excavation floor (BS-1 through BS-6) and eight confirmation samples from the sidewalls (RS-1 and SW-1 through SW-7). Composite confirmation samples represented areas no greater than 200 square feet. Samples were placed in laboratory-provided containers, which were immediately labelled, sealed, and stored/transported in a cooler containing ice to Permian Basin Environmental Lab (PBE) in Midland, Texas. The samples were submitted to PBE for analysis of benzene, toluene, ethylbenzene, and xylenes (BTEX) by Environmental Protection Agency (EPA) SW846 Method 8021B, total petroleum hydrocarbons (TPH) by EPA SW846 Method 8015B Modified, and chloride by EPA Method 300.0.

Analytical results indicated fourteen of the samples (BS-1 through BS-6, RS-1, and SW-1 through SW-7) exhibited TPH concentrations above NMAC Table I Closure Criteria. Additionally, samples (SW-3 through SW-7 and BS-2 through BS-6) had documented total BTEX concentrations above NMAC Table I Closure Criteria. Analytical results are included in **Table 1** and in the Laboratory Analytical Reports included as **Appendix D**. **Figure 2** depicts the sample locations.

Excavated soil was stockpiled on a 40 mL plastic sheet liner on-Site, pending characterization for disposal. It was estimated that approximately 380 cubic yards (cy) of soil was excavated and stockpiled at the Site. A composite sample was collected for waste characterization prior to disposal at a NMOCD approved disposal facility.

The excavation was backfilled with 380 cy of non-impacted caliche obtained from off-Site sources.

4.1 Waste Characterization

Waste generated at this Site is classified as non-exempt and is subject to New Mexico Hazardous Waste Management Regulations in Title 20 NMAC, Chapter 4, Part 1, Subpart 300 (20.4.1.300). On December 12, 2023, a composite waste characterization sample (WC-121223-12626654-CS-1) was collected from the stockpiled soil. The waste characterization sample was analyzed for concentrations of Toxicity Characteristics Leaching Procedure

(TCLP) RCRA 8 Metals, Reactivity, Corrosivity, and Ignitability (RCI), TPH, Naturally Occurring Radioactive Material (N.O.R.M.), Chlorides, and Paint Filter testing. Based on the analytical results, the sample did not exhibit hazardous characteristics. From January 30 to February 1, 2024, the stockpiled soil was transported off-Site to a NMOCD approved facility, Lea Land, LLC located in Carlsbad, New Mexico (Permit No: NM-1-0035-New Mexico). Waste manifests are not included in this report but can be made available upon request.

5. Delineation Sampling

Due to safety concerns associated with the proximity of the excavation to above ground and buried active facility piping and equipment, activities were ceased. Therefore, soil borings were advanced at the Site in order to delineate the release area both vertically and horizontally. Additionally, a depth-to-groundwater boring was completed to 105 ft bgs west of the SB-3B location. Field observations indicated no evidence of impacted soil in that area.

On March 27, 2024, soil borings were installed in all cardinal directions surrounding the excavation, as well as one soil boring (SB-1) near the release point within the excavated area to an approximate depth of 70 feet bgs. Samples were collected in continuous 2 feet intervals up to 20 feet bgs and 5 feet intervals from 20 ft to 70 feet bgs. SB-3 was advanced to 20 feet bgs with samples being collected in 2 feet intervals. The samples were field screened for volatile organic compounds (VOCs) using a photoionization device (PID). Based on the results of the field screening of SB-1 and SB-3, borings were stepped out from their initial proposed locations 10 to 20 feet in each respective cardinal direction. SB-2A, SB-3A, and SB-5A were advanced to a total depth of approximately 20 feet bgs with samples being collected in 2 feet intervals. SB-4A was only advanced to 6 feet bgs via hand auger due to proximity to a buried pipeline. A total of 47 soil samples were collected and placed in laboratory-provided containers, which were immediately labelled, sealed, and stored/transported in a cooler containing ice to PBE in Midland, Texas. The soil samples were submitted to PBE for analysis of BTEX by EPA SW846 Method 8021B and TPH by EPA SW846 Method 8015B Modified.

Analytical results indicated twenty eight of the samples (SB-1(60'), SB-1(65'), SB-1(70'), SB-2A(2'), SB-2A(4'), SB-2A(6'), SB-2A(8'), SB-2A(12'), SB-2A(14'), SB-2A(16'), SB-2A(18'), SB-2A(20'), SB-3A(2'), SB-3A(6'), SB-3A(8'), SB-3A(10'), SB-3A(12'), SB-3A(18'), SB-3A(20'), SB-5A(2'), SB-5A(4'), SB-5A(6'), SB-5A(8'), SB-5A(10'), SB-5A(12'), SB-5A(14'), SB-5A(16'), and SB-5A(20')) exhibited benzene, BTEX, and TPH below NMAC Table I Closure Criteria.

Analytical results indicated 18 of the samples (SB-1(10'), SB-1(12'), SB-1(14'), SB-1(16'), SB-1(18'), SB-1(20'), SB-1(25'), SB-1(30'), SB-1(35'), SB-1(40'), SB-1(45'), SB-1(50'), SB-1(55'), SB-2A(10'), SB-3A(4'), SB-3A(14'), SB-3A(16'), and SB-5A(18')) exhibited TPH concentrations above NMAC Table I Closure Criteria.

Analytical results are included in **Table 1**, soil boring logs are included as **Appendix C**, and the Laboratory Analytical Reports are included as **Appendix D**. **Figure 2** depicts the soil boring locations in relation to the Site boundaries.

6. nAPP2329632113 Deferral Request

Site characterization, soil delineation, and remediation activities for Incident nAPP2324043455 have been performed in accordance with applicable NMOCD guidance and regulations. GHD, on behalf of Plains, requests deferral of the remediation of TPH impacted soil in areas that are not accessible due to active facility piping and infrastructure. The requested deferment area is represented by BS-1 through BS-6, SW-1 through SW-7, RS-1, and SB-1. Based upon supporting documentation provided in this report, GHD, on behalf of Plains, respectfully requests deferral of the identified area of remaining exceedances until the time of abandonment of the facility.

7. Summary of Activities and Conclusions

The following summary is the information presented in this report:

- Remediation activities including the excavation of impacted soil.
- Impacted soil was excavated and stockpiled on-Site and characterized for disposal. Approximately 380 cy of soil was transported from the Site to the Lea Land Landfill in Carlsbad, New Mexico.
- Due to safety concerns, the release area was backfilled utilizing clean purchased fill material. Subsequently, soil borings were advanced at the Site to achieve vertical and horizontal delineation for a deferment request.

7.1 Scope and Limitations

This report has been prepared by GHD for Plains All American Pipeline, L.P. and may only be used and relied on by Plains All American Pipeline, L.P. for the purpose agreed between GHD and Plains All American Pipeline, L.P..

GHD otherwise disclaims responsibility to any person other than Plains All American Pipeline, L.P. arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

The opinions, conclusions and any recommendations in this report are based on assumptions made by GHD described in this report. GHD disclaims liability arising from any of the assumptions being incorrect.

Should you have any questions or require additional information regarding this submittal, please don't hesitate to contact the undersigned.

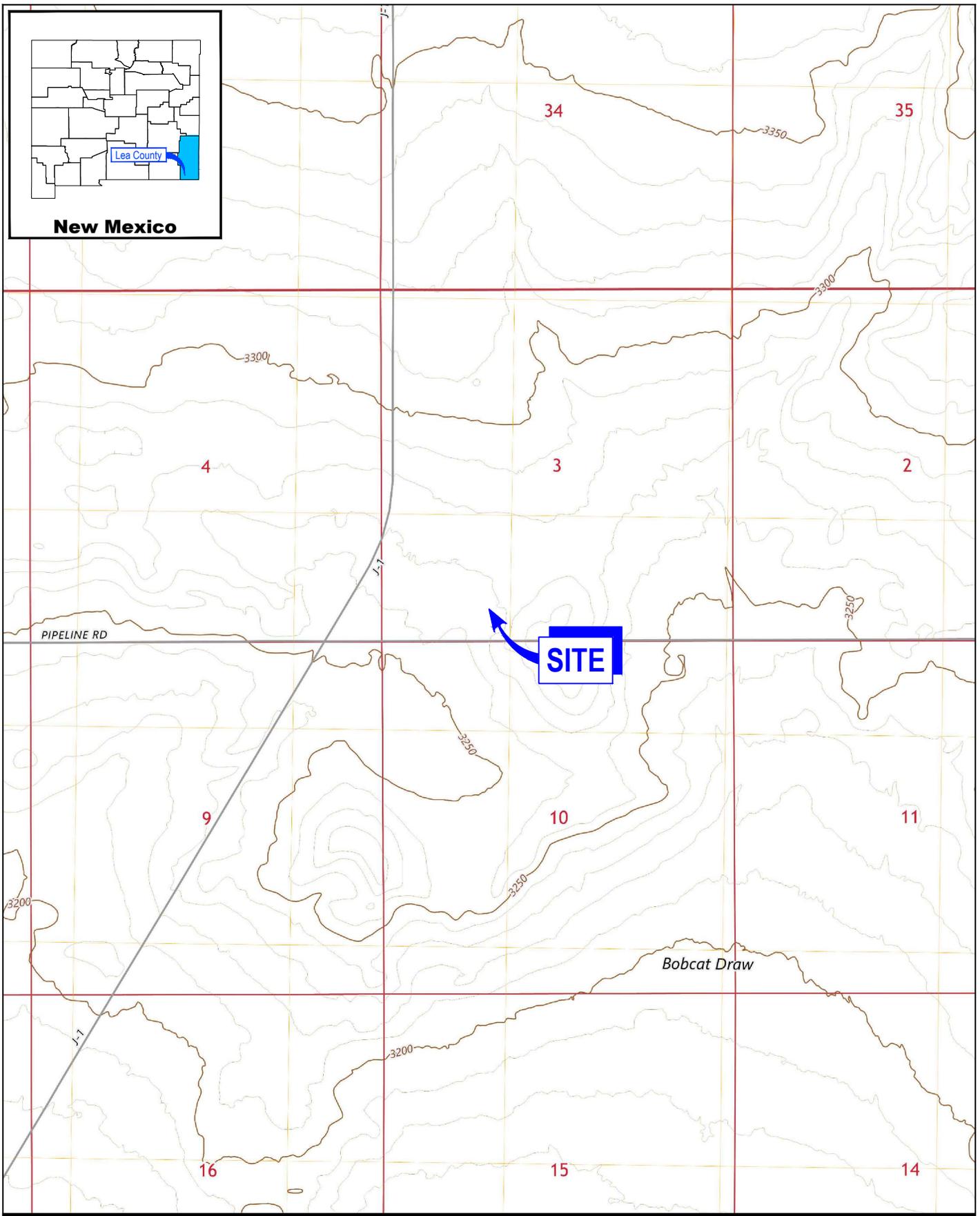

Kayla Taylor
Project Manager


J.T. Murrey
Project Director

Summary of Soil Analytical Results
 Plains All American Pipeline, L.P.
 Red Hills Station Release
 nAPP2329632113
 Lea County, New Mexico

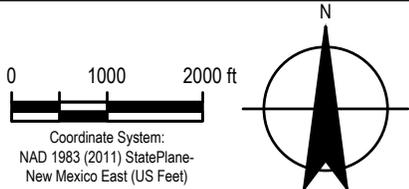
Sample Location	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	Total TPH (GRO + DRO + MRO)	Chloride (mg/kg)
NMAC 19.15.29.12 Table 1 Closure Criteria			10	50	GRO + DRO + MRO combined = 100			100	600
Confirmation Samples									
RS-1	11/3/2023	0-9	0.00987	0.423	97.5	394	60.0	551	16.8
SW-1	11/3/2023	0-4	0.00544	1.45	73.6	163	27.6	264	34.6
SW-2	11/3/2023	0-4	0.0180	17.8	1,050	2,150	330	3,530	51.6
SW-3	11/3/2023	4-9	0.117	56.2	2,990	9,360	1,450	13,800	66.9
SW-4	11/3/2023	4-9	3.34	176	5,270	9,480	1,520	16,300	61.2
SW-5	11/3/2023	0-4	1.70	111	3,530	4,940	1,010	9,480	60.5
SW-6	11/3/2023	0-9	1.54	148	4,920	11,800	2,090	18,800	126
SW-7	11/3/2023	4-9	2.67	80.2	4,790	27,200	4,530	36,500	161
BS-1	11/3/2023	4	ND	25.7	1,040	2,950	479	4,470	32.2
BS-2	11/3/2023	4	0.607	106	3,790	7,060	1,250	12,100	43.1
BS-3	11/3/2023	4	10.2	201	7,730	9,290	1,470	18,500	52.2
BS-4	11/3/2023	9	2.76	198	7,950	11,000	1,790	20,800	41.0
BS-5	11/3/2023	9	1.50	155	6,940	10,500	1,750	19,200	44.7
BS-6	11/3/2023	9	5.01	90.7	749	1,260	213	2,220	52.0
Delineation Samples									
SB-1 (10')	3/27/2024	10	--	--	328	2,050	283	2,661	--
SB-1 (12')	3/27/2024	12	--	--	950	3,080	433	4,463	--
SB-1 (14')	3/27/2024	14	--	--	165	1,410	220	1,795	--
SB-1 (16')	3/27/2024	16	--	--	615	2,990	412	4,017	--
SB-1 (18')	3/27/2024	18	--	--	160	1,410	212	1,782	--
SB-1 (20')	3/27/2024	20	ND	0.0775	139	1,360	188	1,687	52.2
SB-1 (25')	3/27/2024	25	--	--	412	2,810	380	3,602	--
SB-1 (30')	3/27/2024	30	ND	1.13	562	3,020	412	3,994	59.0
SB-1 (35')	3/27/2024	35	--	--	153	1,580	225	1,958	--
SB-1 (40')	3/27/2024	40	ND	0.00264	ND	345	73.4	418	46.2
SB-1 (45')	3/27/2024	45	--	--	33.6	142	ND	176	--
SB-1 (50')	3/27/2024	50	ND	ND	28.7	117	ND	146	57.1
SB-1 (55')	3/27/2024	55	--	--	28.3	107	ND	135	--
SB-1 (60')	3/27/2024	60	ND	ND	30.0	48.4	ND	78.4	63.4
SB-1 (65')	3/27/2024	65	--	--	32.2	32.9	ND	32.2	--
SB-1 (70')	3/27/2024	70	ND	ND	27.4	ND	ND	27.4	3.83
SB-2A (2')	3/27/2024	2	--	--	31.1	ND	ND	31.1	--
SB-2A (4')	3/27/2024	4	--	--	33.3	ND	ND	33.3	--
SB-2A (6')	3/27/2024	6	--	--	32.9	ND	ND	32.9	--
SB-2A (8')	3/27/2024	8	--	--	37.9	ND	ND	37.9	--
SB-2A (10')	3/27/2024	10	ND	ND	35.3	834	357	1,226	67.7
SB-2A (12')	3/27/2024	12	--	--	50.3	37.5	ND	87.8	--
SB-2A (14')	3/27/2024	14	--	--	30.8	51.7	ND	82.5	--
SB-2A (16')	3/27/2024	16	--	--	31.9	32.2	ND	64.1	--
SB-2A (18')	3/27/2024	18	--	--	36.6	57.6	ND	94.2	--
SB-2A (20')	3/27/2024	20	--	--	35.0	ND	ND	35.0	88.3
SB-3A (2')	3/27/2024	2	--	--	31.4	39.4	ND	70.8	--
SB-3A (4')	3/27/2024	4	--	--	37.2	136	62.1	235	--
SB-3A (6')	3/27/2024	6	ND	ND	32.7	ND	ND	32.7	35.8
SB-3A (8')	3/27/2024	8	--	--	33.1	34.1	ND	67.2	--
SB-3A (10')	3/27/2024	10	--	--	29.6	ND	ND	29.6	--
SB-3A (12')	3/27/2024	12	--	--	34.6	35.7	ND	70.3	--
SB-3A (14')	3/27/2024	14	--	--	308	4,900	2,120	7,328	--
SB-3A (16')	3/27/2024	16	--	--	28.9	110	57.8	197	--
SB-3A (18')	3/27/2024	18	--	--	31.1	ND	ND	31.1	--
SB-3A (20')	3/27/2024	20	ND	ND	38.4	41.8	ND	80.2	96.6
SB-4A (6')	3/28/2024	6	ND	ND	36.3	ND	ND	36.3	30.5
SB-5A (2')	3/27/2024	2	--	--	35.5	ND	ND	35.5	--
SB-5A (4')	3/27/2024	4	--	--	37.0	ND	ND	37.0	--
SB-5A (6')	3/27/2024	6	--	--	48.2	ND	ND	48.2	--
SB-5A (8')	3/27/2024	8	--	--	32.8	40.0	ND	72.8	--
SB-5A (10')	3/27/2024	10	--	--	36.2	ND	ND	36.2	--
SB-5A (12')	3/27/2024	12	ND	ND	33.8	ND	ND	33.8	122
SB-5A (14')	3/27/2024	14	--	--	31.4	ND	ND	31.4	--
SB-5A (16')	3/27/2024	16	--	--	38.1	29.5	ND	67.6	--
SB-5A (18')	3/27/2024	18	--	--	28.7	389	190	608	--
SB-5A (20')	3/27/2024	20	ND	ND	30.0	ND	ND	30.0	82.0

- Notes:
1. Concentrations reported in milligrams per kilogram (mg/kg)
 2. NMAC = New Mexico Administrative Code
 3. Benzene, toluene, ethylbenzene, total xylenes (BTEX) analyses by EPA Method SW-846 8021B.
 4. TPH analyses by EPA Method SW-846 8015 Mod.
 5. GRO/DRO/MRO = Gasoline Range Organics/Diesel Range Organics/Motor Oil Range Organics
 6. Yellow shaded values indicate concentration exceeds the NMAC 19.15.29.12 Table 1 Closure Criteria for the site.
 7. ND - Not Detected
 8. -- = Not analyzed



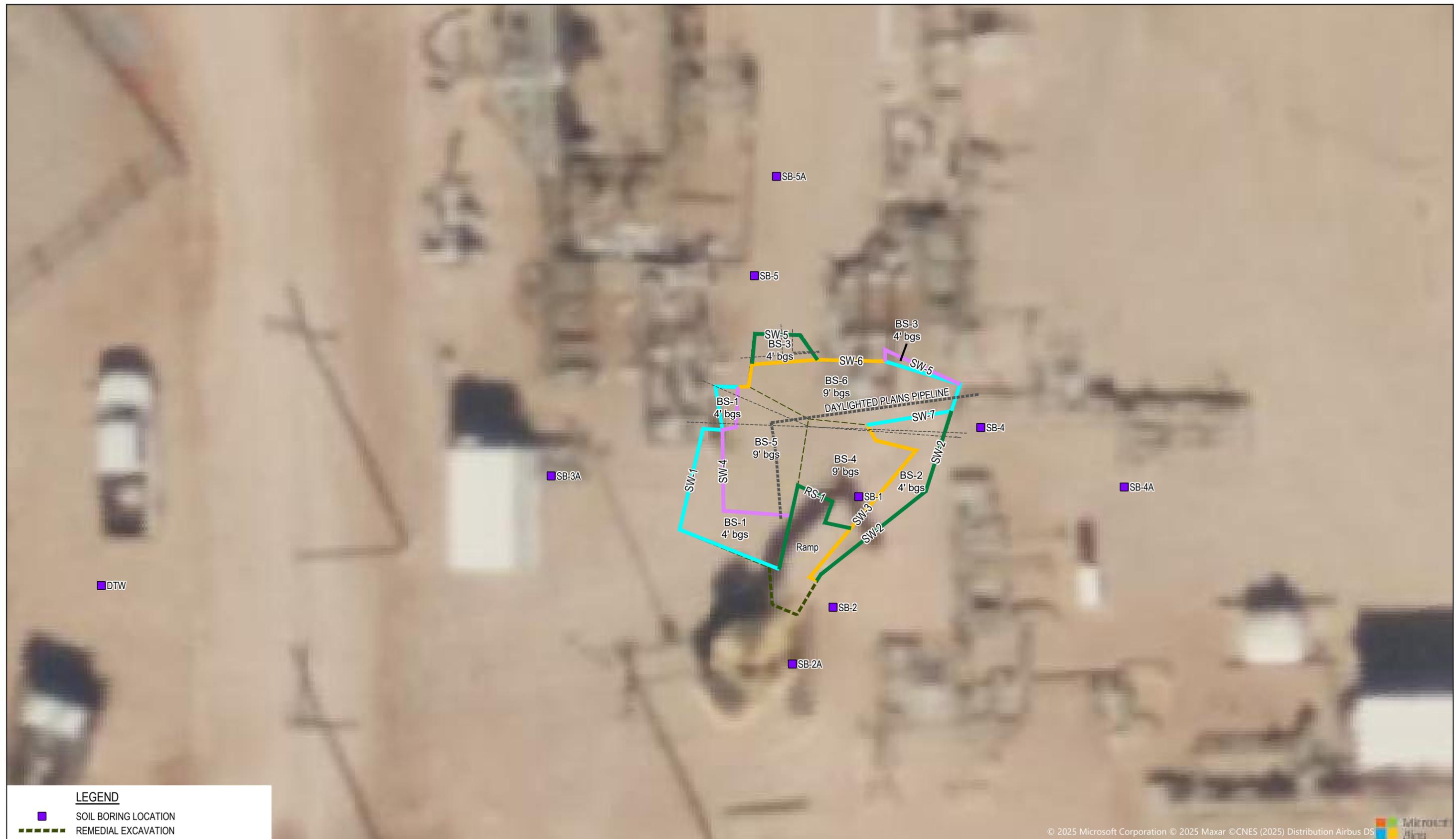
PLAINS ALL AMERICAN PIPELINE, L.P.
 LEA COUNTY, NEW MEXICO
 RED HILLS STATION RELEASE - SRS# 2023-076

Project No. 12626654
 Date March 2025



SITE LOCATION MAP

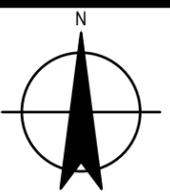
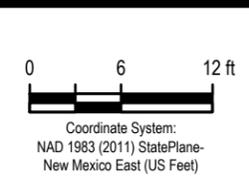
FIGURE 1



LEGEND

- SOIL BORING LOCATION
- - - - - REMEDIAL EXCAVATION
- - - - - UNDERGROUND PIPELINE
- - - - - UNDERGROUND UTILITIES - ELECTRICAL
- SW-1 INDICATES SIDE WALL COMPOSITE SAMPLE
- SW-4 INDICATES SIDE WALL COMPOSITE SAMPLE
- SW-3 INDICATES SIDE WALL COMPOSITE SAMPLE
- SW-2 INDICATES SIDE WALL COMPOSITE SAMPLE

NOTE:
 1. SEE TABLE 1 FOR FULL ANALYTICAL RESULTS/DETAILS.

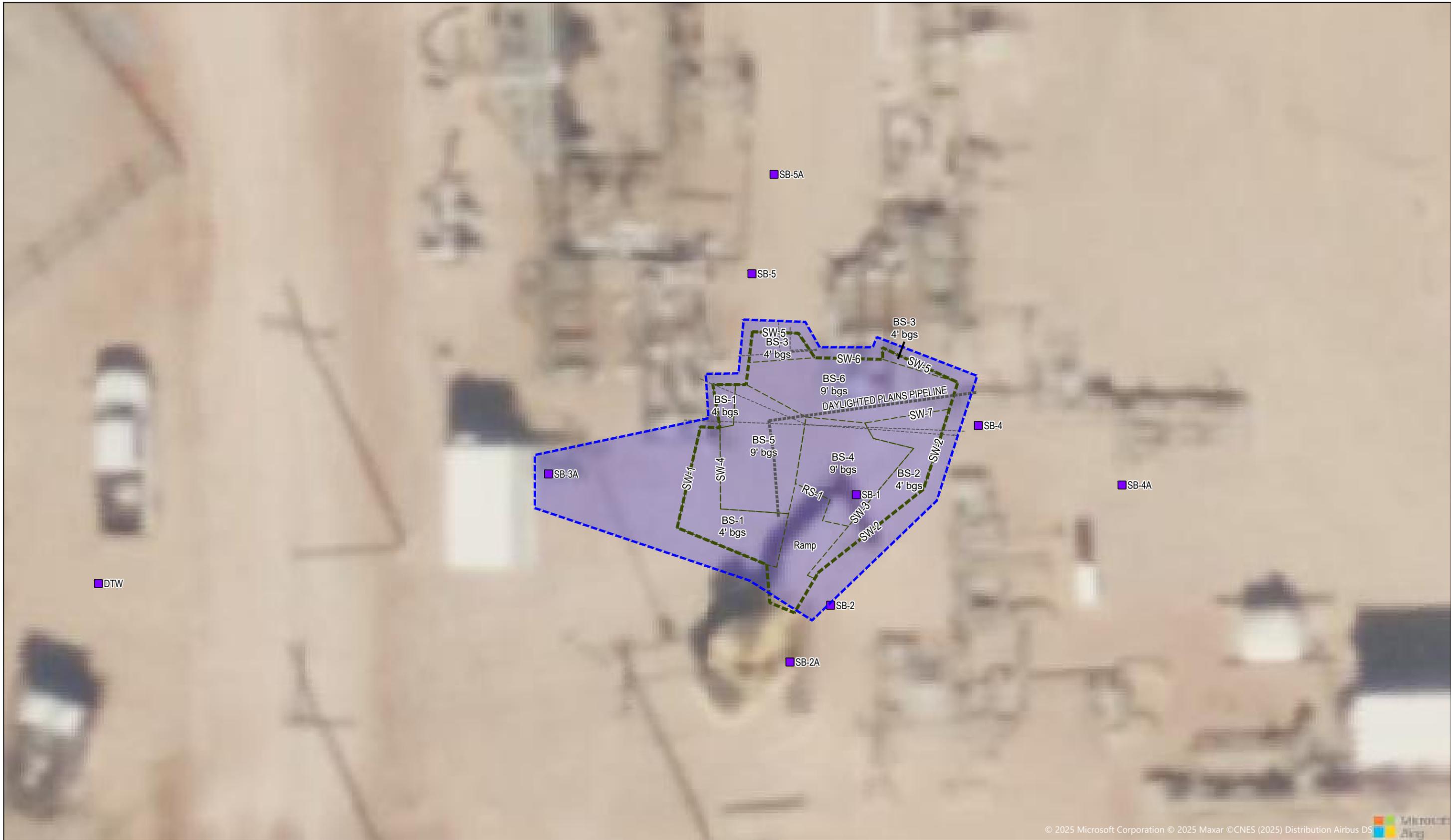


PLAINS ALL AMERICAN PIPELINE, L.P.
 LEA COUNTY, NEW MEXICO
 RED HILLS STATION RELEASE - SRS# 2023-076

Project No. 12626654
 Date March 2025

SAMPLE LOCATIONS MAP

FIGURE 2

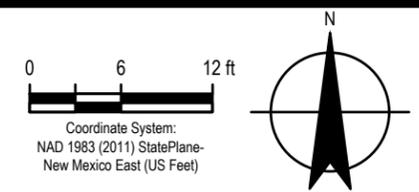


© 2025 Microsoft Corporation © 2025 Maxar ©CNES (2025) Distribution Airbus DS

LEGEND

	DEFERMENT AREA
	SOIL BORING LOCATION
	REMEDIAL EXCAVATION
	UNDERGROUND PIPELINE
	UNDERGROUND UTILITIES - ELECTRICAL

NOTE:
1. SEE TABLE 1 FOR FULL ANALYTICAL RESULTS/DETAILS.



PLAINS ALL AMERICAN PIPELINE, L.P.
LEA COUNTY, NEW MEXICO
RED HILLS STATION RELEASE - SRS# 2023-076

Project No. 12626654
Date March 2025

DEFERMENT AREA

FIGURE 3

Appendices

Appendix A

Release Notification and Corrective Action

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

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

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

Incident ID	nAPP2329632113
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Plains All American Pipeline, LP	OGRID	34053
Contact Name	Karolanne Hudgens	Contact Telephone	575-200-5517
Contact email	Karolanne.Hudgens@plains.com	Incident # (assigned by OCD)	nAPP2329632113
Contact mailing address	1106 Griffith Drive, Midland, TX 79706		

Location of Release Source

Latitude 32.06577502 Longitude -103.6659723
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Red Hills Station Release	Site Type	pipeline release
Date Release Discovered	10/19/23	API# (if applicable)	

Unit Letter	Section	Township	Range	County
N	3	26S	32E	Lea

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

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls)	7.7 bbls	Volume Recovered (bbls)	0
<input type="checkbox"/> Produced Water	Volume Released (bbls)		Volume Recovered (bbls)	
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?		<input type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> Condensate	Volume Released (bbls)		Volume Recovered (bbls)	
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)		Volume Recovered (Mcf)	
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)		Volume/Weight Recovered (provide units)	

Cause of Release

Internal corrosion of crude oil pipeline

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2329632113
District RP	
Facility ID	
Application ID	

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

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>Karolanne Hudgens</u> Title: <u>HSE Remediation Specialist II</u> Signature: <u>[Signature]</u> Date: <u>10/23/23</u> email: <u>Karolanne.hudgens@plains.com</u> Telephone: <u>575-200-5517</u>
OCD Only Received by: _____ Date: _____

Soil Type	Est. Pore Space
Clay	15%
Sandy Clay	12%
Silt	16%
Loess	25%
Fine Sand	16%
Med. Sand	25%
Coarse Sand	26%
Gravelly Sand	26%
Fine Gravel	26%
Med. Gravel	25%
Coarse Gravel	18%
Compacted Caliche Pad	16%
Loosely Compacted Caliche Pad	20%

Location:

Rule of Thumb

7.7 = Total Estimated Barrels of Oil in Soil

To Calculate The Oil Content of Saturated Soil

Average Pore Space Between Soil Grains Ranges From A **Low of 15% To A High of 26%**. Pure Sand Being 26%.

12% = Estimated Pore Space

Width Times Length Times Depth = Cubic Feet

15 = Width in **Feet**
4 = Length in **Feet**

0 = Depth in **Inches**
6 = Depth in Feet

There Are 7.48 Gallons Of Oil Per Cubic Foot

323.14 = Gallons of Oil In Soil

7.7 = Barrels of Oil In Soil

*****If different soil types are impacted (I.E. Caliche Pad and Sandy Clay Pasture Area), additional calculation boxes are provided below. If not, please make sure the dimensions are zeroed out before finalizing.*****

20% = Estimated Pore Space

20% = Estimated Pore Space

Width Times Length Times Depth = Cubic Feet

Width Times Length Times Depth = Cubic Feet

= Width in **Feet**
= Length in **Feet**
= Depth in **Inches**
0 = Depth in Feet

= Width in **Feet**
= Length in **Feet**
= Depth in **Inches**
0 = Depth in Feet

There Are 7.48 Gallons Of Oil Per Cubic Foot

There Are 7.48 Gallons Of Oil Per Cubic Foot

0.00 = Gallons of Oil In Soil

0.00 = Gallons of Oil In Soil

0.0 = Barrels of Oil In Soil

0.0 = Barrels of Oil In Soil

Appendix B

Site Characterization and Receptor Review

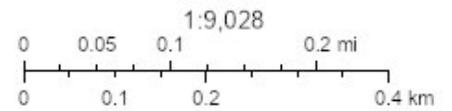
Karst Potential Map



4/5/2025, 12:41:29 PM

Karst Occurrence Potential Low

Medium



BLM, OCD, New Mexico Tech. Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, OCD

New Mexico Oil Conservation Division

NM OCD Oil and Gas Map. <http://nm-emnrd.maps.arogis.com/apps/webappviewer/index.html?id=4d0172306164de29fd2fb9f835ca75>; New Mexico Oil Conservation Division

OSE POD Location Map



10/31/2023, 12:57:58 PM

GIS WATERS PODs

● Plugged

□ OSE District Boundary

Water Right Regulations

□ Closure Area

New Mexico State Trust Lands

□ Both Estates

NHD Flowlines

— Stream River

1:18,056

0 0.13 0.25 0.5 mi

0 0.2 0.4 0.8 km

Esri, HERE, iPC, Esri, HERE, Garmin, iPC, Maxar



Red Hills Station Release



March 11, 2025

Wetlands

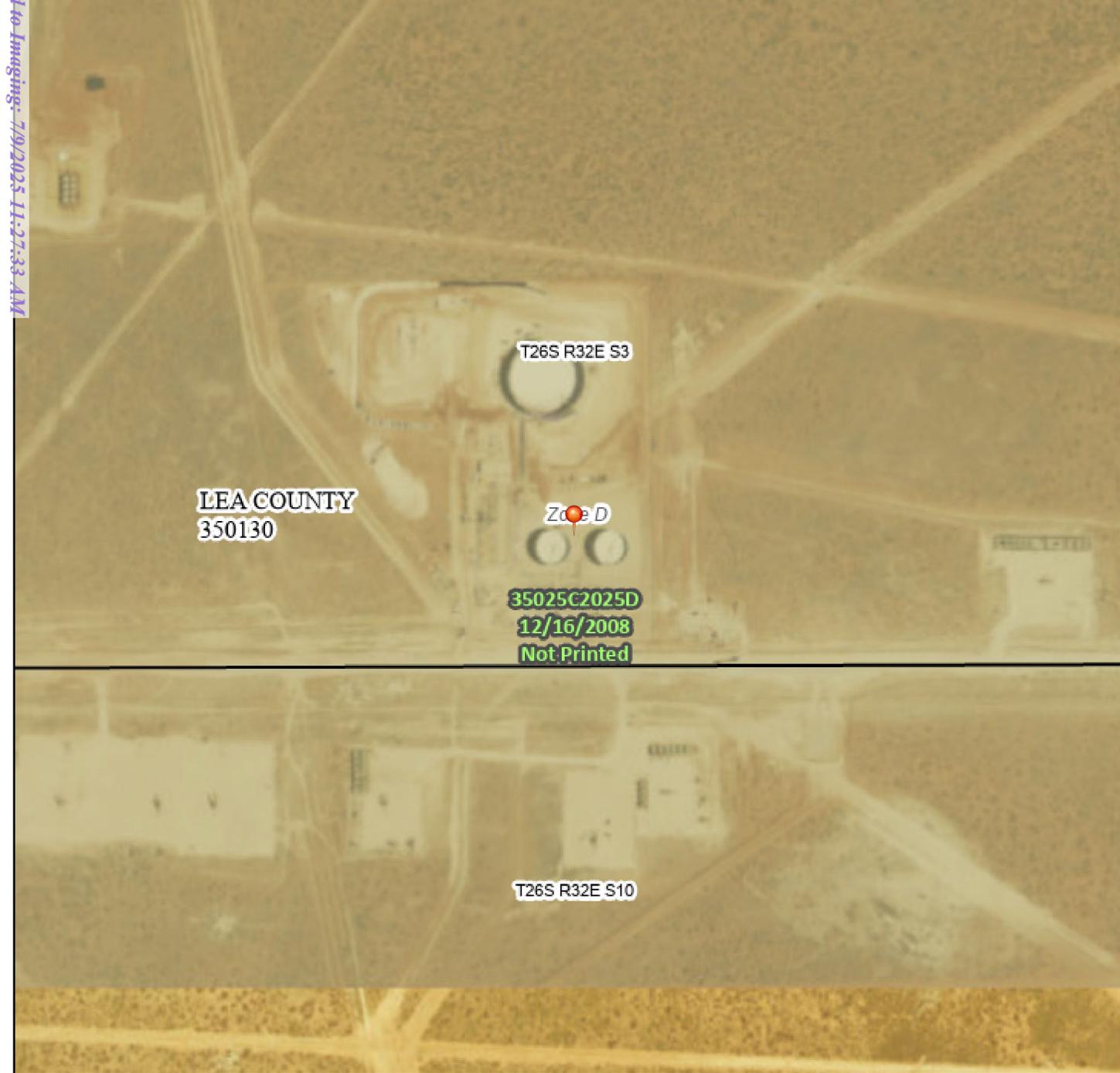
- Estuarine and Marine Deepwater
- Freshwater Emergent Wetland
- Lake
- Estuarine and Marine Wetland
- Freshwater Forested/Shrub Wetland
- Other
- Freshwater Pond
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Flood Hazard Layer FIRMette



3°40'16"W 32°4'13"N



1:6,000

103°39'39"W 32°3'43"N

Basemap Imagery Source: USGS National Map 2023

Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone Z</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone X</i>
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
OTHER AREAS		Area of Undetermined Flood Hazard <i>Zone D</i>
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
OTHER FEATURES		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped
		The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **10/31/2023 at 4:01 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.

Released to Imaging: 7/9/2025 11:27:33 AM

Received by OCD: 5/10/2025 11:51:02 AM

Page 21 of 168

Appendix C

Site Boring Logs



STRATIGRAPHIC LOG (OVERBURDEN)

PROJECT NAME: Red Hills Station Release - SRS# 2023-076
 PROJECT NUMBER: 12626654
 CLIENT: Plains
 LOCATION: Lea County
 DRILLING CONTRACTOR: Talon

HOLE DESIGNATION: DTW
 DATE COMPLETED: 15 March 2024
 DRILLING METHOD: Air Rotary
 FIELD PERSONNEL: Mitchell Clemens
 DRILLER: Jesse

File: N:\US\HOUSTON\PROJECTS\66212626654\TECH\INT\LOG DATABASE\12626654-RED HILLS STN RELEASE.GPJ Library File: GHD_ENVIRO_V11.GLB Report: OVERBURDEN LOG Date: 11/3/25

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH BGS	SAMPLE			
			NUMBER	INTERVAL	REC (ft)	'N Value
2	Brown-red TOPSOIL, very fine SILTY SAND, loose to medium consolidations			X		
4						
6	SM-SILTY SAND, light yellow orange, very fine grained, loose to hard consolidations, thin layer of well cemented sandstone	5.00		X		
8				X		
10	- medium to hard consolidated, hard layers of caliche from 10.00 to 20.00ft BGS			X		
12				X		
14				X		
16	color changes to dull orange	15.00		X		
18				X		
20	- dull orange, small fragments of pebbles, some limestone and sandstones from 20.00 to 35.00ft BGS			X		
22				X		
24				X		
26				X		
28				X		
30				X		
32				X		
34				X		
36	- presence of limestone and sandstone (5-15mm) from 35.00 to 55.00ft BGS			X		
38				X		
40				X		
42				X		
44				X		
46				X		
48				X		

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC LOG (OVERBURDEN)

PROJECT NAME: Red Hills Station Release - SRS# 2023-076
 PROJECT NUMBER: 12626654
 CLIENT: Plains
 LOCATION: Lea County
 DRILLING CONTRACTOR: Talon

HOLE DESIGNATION: DTW
 DATE COMPLETED: 15 March 2024
 DRILLING METHOD: Air Rotary
 FIELD PERSONNEL: Mitchell Clemens
 DRILLER: Jesse

File: N:\US\HOUSTON\PROJECTS\66212626654\TECH\INT\LOG DATABASE\12626654-RED HILLS STN RELEASE.GPJ Library File: GHD_ENVIRO_V11.GLB Report: OVERBURDEN LOG Date: 11/3/25

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH BGS	SAMPLE			
			NUMBER	INTERVAL	REC (ft)	'N Value
52				X		
54				X		
56				X		
58				X		
60	- yellow grey orange, almost no pebbles presence from 60.00 to 70.00ft BGS			X		
62				X		
64				X		
66				X		
68				X		
70	dull orange, thin layers of well cemented sandstone and limestone	70.00		X		
72				X		
74	- encountered presence of 5-15 mm limestone pebbles from 75.00 to 85.00ft BGS			X		
76				X		
78				X		
80				X		
82				X		
84	- light brownish grey, loose consolidation from 85.00 to 100.00ft BGS			X		
86				X		
88				X		
90				X		
92				X		
94				X		
96				X		
98				X		

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC LOG (OVERBURDEN)

PROJECT NAME: Red Hills Station Release - SRS# 2023-076
 PROJECT NUMBER: 12626654
 CLIENT: Plains
 LOCATION: Lea County
 DRILLING CONTRACTOR: Talon

HOLE DESIGNATION: DTW
 DATE COMPLETED: 15 March 2024
 DRILLING METHOD: Air Rotary
 FIELD PERSONNEL: Mitchell Clemens
 DRILLER: Jesse

File: N:\US\HOUSTON\PROJECTS\66212626654\TECH\INT\LOG DATABASE\12626654-RED HILLS STN RELEASE.GPJ Library File: GHD_ENVIRO_V11.GLB Report: OVERBURDEN LOG Date: 11/3/25

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH BGS	SAMPLE			
			NUMBER	INTERVAL	REC (ft)	'N' Value
102	- moist at 100.00ft BGS					
104						
106	END OF BOREHOLE @ 105.00ft BGS	105.00				
108						
110						
112						
114						
116						
118						
120						
122						
124						
126						
128						
130						
132						
134						
136						
138						
140						
142						
144						
146						
148						

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC LOG (OVERBURDEN)

PROJECT NAME: Red Hills Station Release - SRS# 2023-076
 PROJECT NUMBER: 12626654
 CLIENT: Plains
 LOCATION: Lea County
 DRILLING CONTRACTOR: Talon

HOLE DESIGNATION: SB-1
 DATE COMPLETED: 25 March 2024
 DRILLING METHOD: Air Rotary
 FIELD PERSONNEL: Mitchell Clemens
 DRILLER: Jesse

File: N:\US\HOUSTON\PROJECTS\66212626654\TECH\INT\LOG DATABASE\12626654-RED HILLS STN RELEASE.GPJ Library File: GHD_ENVIRO_V11.GLB Report: OVERBURDEN LOG Date: 11/3/25

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH BGS	SAMPLE				
			NUMBER	INTERVAL	REC (ft)	'N Value	PID (ppm)
2	BACKFILL/SM-SILTY SAND, red orange yellow, well cemented limestone, no odor			X			
4				X			
6				X			
8		8.00		X			
10	SM-SILTY SAND, light yellow orange, very fine grained, layers of well cemented sandstone, larger limestone and caliche nodules (4-12 mm) - hydrocarbon odor present from 10.00 to 65.00ft BGS			X			862.2
12	- harder layer of caliche, dull orange, well cemented sandstone and limestone (5-10 mm) at 12.00ft BGS			X			941.2
14				X			834.6
16	decreasing amount of well cemented sandstone and limestone - dull orange, then layers of well cemented sandstone, pebble sized limestone and siltstone, medium to hard consolidations from 16.00 to 35.00ft BGS	15.00		X			863.3
18				X			834.1
20				X			432.1
22				X			
24				X			
26	decreasing amount of pebble sized limestone and sandstone	25.00		X			626.1
28				X			
30				X			532.4
32				X			
34				X			
36	- brown-red, sparse pebble sized limestones, loose to medium consolidations from 35.00 to 55.00ft BGS			X			638.8
38				X			
40				X			610.1
42				X			
44				X			
46	very sparse limestone (1-3 mm)	45.00		X			429.3
48				X			

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC LOG (OVERBURDEN)

PROJECT NAME: Red Hills Station Release - SRS# 2023-076
 PROJECT NUMBER: 12626654
 CLIENT: Plains
 LOCATION: Lea County
 DRILLING CONTRACTOR: Talon

HOLE DESIGNATION: SB-1
 DATE COMPLETED: 25 March 2024
 DRILLING METHOD: Air Rotary
 FIELD PERSONNEL: Mitchell Clemens
 DRILLER: Jesse

File: N:\US\HOUSTON\PROJECTS\66212626654\TECH\INT\LOG DATABASE\12626654-RED HILLS STN RELEASE.GPJ Library File: GHD_ENVIRO_V11.GLB Report: OVERBURDEN LOG Date: 11/3/25

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH BGS	SAMPLE					
			NUMBER	INTERVAL	REC (ft)	'N Value	PID (ppm)	
52				X				411.1
54				X				
56	medium to hard consolidations, limestone and sandstone layers (5-10 mm)	55.00		X				562.1
58				X				
60	loose, sparce presence of limestone pebbles (2-3 mm)	60.00		X				312.8
62				X				
64				X				
66	color changes to light yellow orange, absence of any pebbles, loose, no hydrocarbon odor	65.00		X				125.8
68				X				
70	END OF BOREHOLE @ 70.00ft BGS	70.00		X				34.6
72								
74								
76								
78								
80								
82								
84								
86								
88								
90								
92								
94								
96								
98								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC LOG (OVERBURDEN)

PROJECT NAME: Red Hills Station Release - SRS# 2023-076
 PROJECT NUMBER: 12626654
 CLIENT: Plains
 LOCATION: Lea County
 DRILLING CONTRACTOR: Talon

HOLE DESIGNATION: SB-2A
 DATE COMPLETED: 23 March 2024
 DRILLING METHOD: Air Rotary
 FIELD PERSONNEL: Mitchell Clemens
 DRILLER: Jesse

File: N:\US\HOUSTON\PROJECTS\66212626654\TECH\INT\LOG DATABASE\12626654-RED HILLS STN RELEASE.GPJ Library File: GHD_ENVIRO_V11.GLB Report: OVERBURDEN LOG Date: 11/3/25

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH BGS	SAMPLE					
			NUMBER	INTERVAL	REC (ft)	'N' Value	PID (ppm)	
2	TOPSOIL/PAD COVERING-SILTY SAND, light yellow to grey, very fine gravel, limestone and sandstone pebbles (1-5mm)			X				7.4
4	SM-SILTY SAND, dull orange, very fine grained, loose to hard consolidations, thin layers of limestone and sandstones light yellow orange, loose, layers of limestone and sandstone additional presence of limestone pebbles (2-10 mm) thin layers of sandstone, medium to hard consolidations light grey, hard layer of caliche, sub-rounded limestone (5-15 mm) sparcely presence of sub-angular limestone presence of sub-rounded limestone (10-20 mm)	4.00		X				8.9
6		6.00		X				21.3
8		8.00		X				37.5
10		10.00		X				43.7
12		12.00		X				36.2
14		14.00		X				27.4
16		16.00		X				12.3
18		18.00		X				12.4
20		20.00		X				10.6
22		END OF BOREHOLE @ 20.00ft BGS						

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Red Hills Station Release - SRS# 2023-076
 PROJECT NUMBER: 12626654
 CLIENT: Plains
 LOCATION: Lea County
 DRILLING CONTRACTOR: Talon

HOLE DESIGNATION: SB-3A
 DATE COMPLETED: 23 March 2024
 DRILLING METHOD: Air Rotary
 FIELD PERSONNEL: Mitchell Clemens
 DRILLER: Jesse

File: N:\US\HOUSTON\PROJECTS\66212626654\TECH\INT\LOG DATABASE\12626654-RED HILLS STN RELEASE.GPJ Library File: GHD_ENVIRO_V11.GLB Report: OVERBURDEN LOG Date: 11/3/25

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH BGS	SAMPLE					
			NUMBER	INTERVAL	REC (ft)	'N Value	PID (ppm)	
2	TOPSOIL/PAD COVERING-SILTY SAND, very fine gravel, dull brown, pebbles (1-2 mm) - pressure of 4-10mm siltstone and limestone pebbles from 2.00 to 4.00ft BGS			X				12.5
4				X				17.1
6		6.00		X				36.2
8	SM-SILTY SAND, dull orange, very fine grained, loose to medium consolidation, sparce limestone and sandstone pebbes (1-4mm) - dull yellow orange color changing presence of larger sub-rounded limestone rocks approx (5-12mm) from 8.00 to 14.00ft BGS			X				27.8
10				X				27.9
12				X				29.3
14	- hard layer of caliche encountered at 13.00ft BGS - dull orange, medium to hard consolidations, sub-angular limestone (5-20mm) from 14.00 to 20.00ft BGS			X				14.2
16				X				18.6
18	- reddish brown, heavy pressure of sub-angular limestone (10-33mm), medium to hard consolidations at 16.00ft BGS			X				13.3
20	END OF BOREHOLE @ 20.00ft BGS	20.00		X				9.4
22								
24								
26								
28								
30								
32								
34								
36								
38								
40								
42								
44								
46								
48								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC LOG (OVERBURDEN)

PROJECT NAME: Red Hills Station Release - SRS# 2023-076
 PROJECT NUMBER: 12626654
 CLIENT: Plains
 LOCATION: Lea County
 DRILLING CONTRACTOR: Talon

HOLE DESIGNATION: SB-5A
 DATE COMPLETED: 21 March 2024
 DRILLING METHOD: Air Rotary
 FIELD PERSONNEL: Mitchell Clemens
 DRILLER: Jesse

File: N:\US\HOUSTON\PROJECTS\66212626654\TECH\INT\LOG DATABASE\12626654-RED HILLS STN RELEASE.GPJ Library File: GHD_ENVIRO_V11.GLB Report: OVERBURDEN LOG Date: 11/3/25

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH BGS	SAMPLE					
			NUMBER	INTERVAL	REC (ft)	'N' Value	PID (ppm)	
2	TOPSOIL/PAD COVERING-SILTY SAND, very fine gravel, dull orange, sparce pebbles of limestone, loose consolidation only			X				14.1
4	- heavier limestone pebbles (1-4 mm) at 4.00ft BGS			X				16.6
6	SM-SILTY SAND, light yellow orange, very fine grained, presence of sub-rounded limestone (1-5 mm), loose consolidation only	6.00		X				27.4
8				X				41.4
10				X				55.6
12	- hard layer of caliche, sub-angular limestone (5-10mm) at 12.00ft BGS			X				64.1
14	dull orange, loose to medium consolidation, sprace presence of limestone (2-4 mm)			X				54.3
16	- almost no consolidation/no pebbles at 16.00ft BGS			X				34.1
18	- medium to hard consolidation, heavy presence of large sub-angular limestone at 18.00ft BGS			X				23.3
20	END OF BOREHOLE @ 20.00ft BGS	20.00		X				12.1
22								
24								
26								
28								
30								
32								
34								
36								
38								
40								
42								
44								
46								
48								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

Appendix D

Certified Laboratory Analytical Reports

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Stephan Ansong Asante
GHD Services-Midland
2135 S. Loop 250 West
Midland, TX 79703

Project: Red Hills Release

Project Number: 12626654

Location: Jal, NM

Lab Order Number: 3K06015



Current Certification

Report Date: 11/13/23

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Stephan Ansong Asante

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
RS-1 (0-9')	3K06015-01	Soil	11/03/23 16:00	11-06-2023 11:49
SW-1 (0-4')	3K06015-02	Soil	11/03/23 16:05	11-06-2023 11:49
SW-2 (0-4')	3K06015-03	Soil	11/03/23 16:10	11-06-2023 11:49
SW-3 (4-9')	3K06015-04	Soil	11/03/23 16:15	11-06-2023 11:49
SW-4 (4-9')	3K06015-05	Soil	11/03/23 16:20	11-06-2023 11:49
SW-5 (0-4')	3K06015-06	Soil	11/03/23 16:25	11-06-2023 11:49
SW-6 (0-9')	3K06015-07	Soil	11/03/23 16:30	11-06-2023 11:49
SW-7 (4-9')	3K06015-08	Soil	11/03/23 16:35	11-06-2023 11:49
BS-1 (4')	3K06015-09	Soil	11/03/23 16:40	11-06-2023 11:49
BS-2 (4')	3K06015-10	Soil	11/03/23 16:45	11-06-2023 11:49
BS-3 (4')	3K06015-11	Soil	11/03/23 16:50	11-06-2023 11:49
BS-4 (9')	3K06015-12	Soil	11/03/23 16:55	11-06-2023 11:49
BS-5 (9')	3K06015-13	Soil	11/03/23 17:00	11-06-2023 11:49
BS-6 (9')	3K06015-14	Soil	11/03/23 17:05	11-06-2023 11:49

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Stephan Ansong Asante

RS-1 (0-9')
3K06015-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	0.00987	0.00106	mg/kg dry	1	P3K0709	11/07/23 09:12	11/07/23 14:55	EPA 8021B	
Toluene	0.0181	0.00106	mg/kg dry	1	P3K0709	11/07/23 09:12	11/07/23 14:55	EPA 8021B	
Ethylbenzene	0.0300	0.00106	mg/kg dry	1	P3K0709	11/07/23 09:12	11/07/23 14:55	EPA 8021B	
Xylene (p/m)	0.261	0.00213	mg/kg dry	1	P3K0709	11/07/23 09:12	11/07/23 14:55	EPA 8021B	
Xylene (o)	0.104	0.00106	mg/kg dry	1	P3K0709	11/07/23 09:12	11/07/23 14:55	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		121 %	80-120		P3K0709	11/07/23 09:12	11/07/23 14:55	EPA 8021B	S-GC
<i>Surrogate: 1,4-Difluorobenzene</i>		93.6 %	80-120		P3K0709	11/07/23 09:12	11/07/23 14:55	EPA 8021B	
Xylenes (total)	0.365	0.00213	mg/kg dry	1	[CALC]	11/07/23 09:12	11/07/23 14:55	EPA 8021B	
Total BTEX	0.423	0.00106	mg/kg dry	1	[CALC]	11/07/23 09:12	11/07/23 14:55	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	97.5	26.6	mg/kg dry	1	P3K0608	11/06/23 13:47	11/07/23 16:11	TPH 8015M	
>C12-C28	394	26.6	mg/kg dry	1	P3K0608	11/06/23 13:47	11/07/23 16:11	TPH 8015M	
>C28-C35	60.0	26.6	mg/kg dry	1	P3K0608	11/06/23 13:47	11/07/23 16:11	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		74.4 %	70-130		P3K0608	11/06/23 13:47	11/07/23 16:11	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		85.7 %	70-130		P3K0608	11/06/23 13:47	11/07/23 16:11	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	551	26.6	mg/kg dry	1	[CALC]	11/06/23 13:47	11/07/23 16:11	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	16.8	1.06	mg/kg dry	1	P3K0610	11/06/23 14:42	11/06/23 21:46	EPA 300.0	
% Moisture	6.0	0.1	%	1	P3K0711	11/07/23 10:36	11/07/23 10:40	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Stephan Ansong Asante

SW-1 (0-4')
3K06015-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	0.00544	0.00104	mg/kg dry	1	P3K0709	11/07/23 09:12	11/07/23 15:20	EPA 8021B	
Toluene	0.0982	0.00104	mg/kg dry	1	P3K0709	11/07/23 09:12	11/07/23 15:20	EPA 8021B	
Ethylbenzene	0.222	0.00104	mg/kg dry	1	P3K0709	11/07/23 09:12	11/07/23 15:20	EPA 8021B	
Xylene (p/m)	0.807	0.00208	mg/kg dry	1	P3K0709	11/07/23 09:12	11/07/23 15:20	EPA 8021B	
Xylene (o)	0.317	0.00104	mg/kg dry	1	P3K0709	11/07/23 09:12	11/07/23 15:20	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		128 %	80-120		P3K0709	11/07/23 09:12	11/07/23 15:20	EPA 8021B	S-GC
<i>Surrogate: 1,4-Difluorobenzene</i>		87.9 %	80-120		P3K0709	11/07/23 09:12	11/07/23 15:20	EPA 8021B	
Xylenes (total)	1.12	0.00208	mg/kg dry	1	[CALC]	11/07/23 09:12	11/07/23 15:20	EPA 8021B	
Total BTEX	1.45	0.00104	mg/kg dry	1	[CALC]	11/07/23 09:12	11/07/23 15:20	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	73.6	26.0	mg/kg dry	1	P3K0608	11/06/23 13:47	11/07/23 16:35	TPH 8015M	
>C12-C28	163	26.0	mg/kg dry	1	P3K0608	11/06/23 13:47	11/07/23 16:35	TPH 8015M	
>C28-C35	27.6	26.0	mg/kg dry	1	P3K0608	11/06/23 13:47	11/07/23 16:35	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		62.4 %	70-130		P3K0608	11/06/23 13:47	11/07/23 16:35	TPH 8015M	S-GC
<i>Surrogate: o-Terphenyl</i>		73.4 %	70-130		P3K0608	11/06/23 13:47	11/07/23 16:35	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	264	26.0	mg/kg dry	1	[CALC]	11/06/23 13:47	11/07/23 16:35	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	34.6	1.04	mg/kg dry	1	P3K0610	11/06/23 14:42	11/06/23 22:00	EPA 300.0	
% Moisture	4.0	0.1	%	1	P3K0711	11/07/23 10:36	11/07/23 10:40	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Page 4 of 26

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Stephan Ansong Asante

SW-2 (0-4')
3K06015-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	0.0180	0.00105	mg/kg dry	1	P3K0709	11/07/23 09:12	11/10/23 10:50	EPA 8021B	
Toluene	0.485	0.105	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 10:50	EPA 8021B	
Ethylbenzene	1.72	0.105	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 10:50	EPA 8021B	
Xylene (p/m)	12.0	0.211	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 10:50	EPA 8021B	
Xylene (o)	3.60	0.105	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 10:50	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		95.8 %	80-120		P3K0709	11/07/23 09:12	11/10/23 10:50	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		93.2 %	80-120		P3K0709	11/07/23 09:12	11/10/23 10:50	EPA 8021B	
Xylenes (total)	15.5	0.211	mg/kg dry	100	[CALC]	11/07/23 09:12	11/10/23 10:50	EPA 8021B	
Total BTEX	17.8	0.00105	mg/kg dry	100	[CALC]	11/07/23 09:12	11/10/23 10:50	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	1050	26.3	mg/kg dry	1	P3K0608	11/06/23 13:47	11/07/23 16:59	TPH 8015M	
>C12-C28	2150	26.3	mg/kg dry	1	P3K0608	11/06/23 13:47	11/07/23 16:59	TPH 8015M	
>C28-C35	330	26.3	mg/kg dry	1	P3K0608	11/06/23 13:47	11/07/23 16:59	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		101 %	70-130		P3K0608	11/06/23 13:47	11/07/23 16:59	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		76.8 %	70-130		P3K0608	11/06/23 13:47	11/07/23 16:59	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	3530	26.3	mg/kg dry	1	[CALC]	11/06/23 13:47	11/07/23 16:59	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	51.6	1.05	mg/kg dry	1	P3K0610	11/06/23 14:42	11/06/23 22:14	EPA 300.0	
% Moisture	5.0	0.1	%	1	P3K0711	11/07/23 10:36	11/07/23 10:40	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Stephan Ansong Asante

SW-3 (4-9')
3K06015-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	0.117	0.111	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 11:14	EPA 8021B	
Toluene	7.12	0.111	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 11:14	EPA 8021B	
Ethylbenzene	6.30	0.111	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 11:14	EPA 8021B	
Xylene (p/m)	31.3	0.222	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 11:14	EPA 8021B	
Xylene (o)	11.3	0.111	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 11:14	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		83.1 %	80-120		P3K0709	11/07/23 09:12	11/10/23 11:14	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		90.5 %	80-120		P3K0709	11/07/23 09:12	11/10/23 11:14	EPA 8021B	
Xylenes (total)	42.7	0.222	mg/kg dry	100	[CALC]	11/07/23 09:12	11/10/23 11:14	EPA 8021B	
Total BTEX	56.2	0.111	mg/kg dry	100	[CALC]	11/07/23 09:12	11/10/23 11:14	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	2990	139	mg/kg dry	5	P3K0608	11/06/23 13:47	11/07/23 17:23	TPH 8015M	
>C12-C28	9360	139	mg/kg dry	5	P3K0608	11/06/23 13:47	11/07/23 17:23	TPH 8015M	
>C28-C35	1450	139	mg/kg dry	5	P3K0608	11/06/23 13:47	11/07/23 17:23	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		98.5 %	70-130		P3K0608	11/06/23 13:47	11/07/23 17:23	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		90.5 %	70-130		P3K0608	11/06/23 13:47	11/07/23 17:23	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	13800	139	mg/kg dry	5	[CALC]	11/06/23 13:47	11/07/23 17:23	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	66.9	1.11	mg/kg dry	1	P3K0610	11/06/23 14:42	11/06/23 22:29	EPA 300.0	
% Moisture	10.0	0.1	%	1	P3K0711	11/07/23 10:36	11/07/23 10:40	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Stephan Ansong Asante

SW-4 (4-9')
3K06015-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	3.34	0.115	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 11:39	EPA 8021B	
Toluene	46.1	0.115	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 11:39	EPA 8021B	
Ethylbenzene	23.7	0.115	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 11:39	EPA 8021B	
Xylene (p/m)	75.3	0.230	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 11:39	EPA 8021B	
Xylene (o)	27.8	0.115	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 11:39	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		99.1 %	80-120		P3K0709	11/07/23 09:12	11/10/23 11:39	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		83.8 %	80-120		P3K0709	11/07/23 09:12	11/10/23 11:39	EPA 8021B	
Xylenes (total)	103	0.230	mg/kg dry	100	[CALC]	11/07/23 09:12	11/10/23 11:39	EPA 8021B	
Total BTEX	176	0.115	mg/kg dry	100	[CALC]	11/07/23 09:12	11/10/23 11:39	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	5270	144	mg/kg dry	5	P3K0608	11/06/23 13:47	11/07/23 17:47	TPH 8015M	
>C12-C28	9480	144	mg/kg dry	5	P3K0608	11/06/23 13:47	11/07/23 17:47	TPH 8015M	
>C28-C35	1520	144	mg/kg dry	5	P3K0608	11/06/23 13:47	11/07/23 17:47	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		93.3 %	70-130		P3K0608	11/06/23 13:47	11/07/23 17:47	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		67.8 %	70-130		P3K0608	11/06/23 13:47	11/07/23 17:47	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	16300	144	mg/kg dry	5	[CALC]	11/06/23 13:47	11/07/23 17:47	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	61.2	1.15	mg/kg dry	1	P3K0610	11/06/23 14:42	11/06/23 22:43	EPA 300.0	
% Moisture	13.0	0.1	%	1	P3K0711	11/07/23 10:36	11/07/23 10:40	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Stephan Ansong Asante

SW-5 (0-4')
3K06015-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	1.70	0.109	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 12:03	EPA 8021B	
Toluene	23.8	0.109	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 12:03	EPA 8021B	
Ethylbenzene	13.5	0.109	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 12:03	EPA 8021B	
Xylene (p/m)	54.5	0.217	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 12:03	EPA 8021B	
Xylene (o)	17.6	0.109	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 12:03	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		100 %	80-120		P3K0709	11/07/23 09:12	11/10/23 12:03	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		85.8 %	80-120		P3K0709	11/07/23 09:12	11/10/23 12:03	EPA 8021B	
Xylenes (total)	72.2	0.217	mg/kg dry	100	[CALC]	11/07/23 09:12	11/10/23 12:03	EPA 8021B	
Total BTEX	111	0.109	mg/kg dry	100	[CALC]	11/07/23 09:12	11/10/23 12:03	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	3530	27.2	mg/kg dry	1	P3K0608	11/06/23 13:47	11/07/23 18:11	TPH 8015M	
>C12-C28	4940	27.2	mg/kg dry	1	P3K0608	11/06/23 13:47	11/07/23 18:11	TPH 8015M	
>C28-C35	1010	27.2	mg/kg dry	1	P3K0608	11/06/23 13:47	11/07/23 18:11	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		96.4 %	70-130		P3K0608	11/06/23 13:47	11/07/23 18:11	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		99.8 %	70-130		P3K0608	11/06/23 13:47	11/07/23 18:11	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	9480	27.2	mg/kg dry	1	[CALC]	11/06/23 13:47	11/07/23 18:11	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	60.5	1.09	mg/kg dry	1	P3K0610	11/06/23 14:42	11/06/23 22:57	EPA 300.0	
% Moisture	8.0	0.1	%	1	P3K0711	11/07/23 10:36	11/07/23 10:40	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Stephan Ansong Asante

SW-6 (0-9")
3K06015-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	1.54	0.114	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 12:27	EPA 8021B	
Toluene	36.9	0.114	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 12:27	EPA 8021B	
Ethylbenzene	17.9	0.114	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 12:27	EPA 8021B	
Xylene (p/m)	67.1	0.227	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 12:27	EPA 8021B	
Xylene (o)	24.4	0.114	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 12:27	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		86.8 %	80-120		P3K0709	11/07/23 09:12	11/10/23 12:27	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		105 %	80-120		P3K0709	11/07/23 09:12	11/10/23 12:27	EPA 8021B	
Xylenes (total)	91.5	0.227	mg/kg dry	100	[CALC]	11/07/23 09:12	11/10/23 12:27	EPA 8021B	
Total BTEX	148	0.114	mg/kg dry	100	[CALC]	11/07/23 09:12	11/10/23 12:27	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	4920	142	mg/kg dry	5	P3K0608	11/06/23 13:47	11/07/23 18:35	TPH 8015M	
>C12-C28	11800	142	mg/kg dry	5	P3K0608	11/06/23 13:47	11/07/23 18:35	TPH 8015M	
>C28-C35	2090	142	mg/kg dry	5	P3K0608	11/06/23 13:47	11/07/23 18:35	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		89.0 %	70-130		P3K0608	11/06/23 13:47	11/07/23 18:35	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		92.4 %	70-130		P3K0608	11/06/23 13:47	11/07/23 18:35	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	18800	142	mg/kg dry	5	[CALC]	11/06/23 13:47	11/07/23 18:35	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	126	1.14	mg/kg dry	1	P3K0610	11/06/23 14:42	11/06/23 23:12	EPA 300.0	
% Moisture	12.0	0.1	%	1	P3K0711	11/07/23 10:36	11/07/23 10:40	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Stephan Ansong Asante

SW-7 (4-9*)
3K06015-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	2.67	0.114	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 12:52	EPA 8021B	
Toluene	26.1	0.114	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 12:52	EPA 8021B	
Ethylbenzene	8.36	0.114	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 12:52	EPA 8021B	
Xylene (p/m)	31.6	0.227	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 12:52	EPA 8021B	
Xylene (o)	11.5	0.114	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 12:52	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		87.9 %	80-120		P3K0709	11/07/23 09:12	11/10/23 12:52	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		94.5 %	80-120		P3K0709	11/07/23 09:12	11/10/23 12:52	EPA 8021B	
Xylenes (total)	43.1	0.227	mg/kg dry	100	[CALC]	11/07/23 09:12	11/10/23 12:52	EPA 8021B	
Total BTEX	80.2	0.114	mg/kg dry	100	[CALC]	11/07/23 09:12	11/10/23 12:52	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	4790	284	mg/kg dry	10	P3K0608	11/06/23 13:47	11/07/23 18:59	TPH 8015M	
>C12-C28	27200	284	mg/kg dry	10	P3K0608	11/06/23 13:47	11/07/23 18:59	TPH 8015M	
>C28-C35	4530	284	mg/kg dry	10	P3K0608	11/06/23 13:47	11/07/23 18:59	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		92.4 %	70-130		P3K0608	11/06/23 13:47	11/07/23 18:59	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		112 %	70-130		P3K0608	11/06/23 13:47	11/07/23 18:59	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	36500	284	mg/kg dry	10	[CALC]	11/06/23 13:47	11/07/23 18:59	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	161	1.14	mg/kg dry	1	P3K0610	11/06/23 14:42	11/06/23 23:26	EPA 300.0	
% Moisture	12.0	0.1	%	1	P3K0711	11/07/23 10:36	11/07/23 10:40	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Stephan Ansong Asante

BS-1 (4')
3K06015-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.109	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 13:16	EPA 8021B	
Toluene	1.82	0.109	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 13:16	EPA 8021B	
Ethylbenzene	2.40	0.109	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 13:16	EPA 8021B	
Xylene (p/m)	17.4	0.217	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 13:16	EPA 8021B	
Xylene (o)	4.06	0.109	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 13:16	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>96.8 %</i>	<i>80-120</i>			<i>P3K0709</i>	<i>11/07/23 09:12</i>	<i>11/10/23 13:16</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>92.5 %</i>	<i>80-120</i>			<i>P3K0709</i>	<i>11/07/23 09:12</i>	<i>11/10/23 13:16</i>	<i>EPA 8021B</i>	
Xylenes (total)	21.5	0.217	mg/kg dry	100	[CALC]	11/07/23 09:12	11/10/23 13:16	EPA 8021B	
Total BTEX	25.7	0.109	mg/kg dry	100	[CALC]	11/07/23 09:12	11/10/23 13:16	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	1040	27.2	mg/kg dry	1	P3K0608	11/06/23 13:47	11/07/23 19:23	TPH 8015M	
>C12-C28	2950	27.2	mg/kg dry	1	P3K0608	11/06/23 13:47	11/07/23 19:23	TPH 8015M	
>C28-C35	479	27.2	mg/kg dry	1	P3K0608	11/06/23 13:47	11/07/23 19:23	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>	<i>90.1 %</i>	<i>70-130</i>			<i>P3K0608</i>	<i>11/06/23 13:47</i>	<i>11/07/23 19:23</i>	<i>TPH 8015M</i>	
<i>Surrogate: o-Terphenyl</i>	<i>77.1 %</i>	<i>70-130</i>			<i>P3K0608</i>	<i>11/06/23 13:47</i>	<i>11/07/23 19:23</i>	<i>TPH 8015M</i>	
Total Petroleum Hydrocarbon C6-C35	4470	27.2	mg/kg dry	1	[CALC]	11/06/23 13:47	11/07/23 19:23	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	32.2	1.09	mg/kg dry	1	P3K0610	11/06/23 14:42	11/06/23 23:40	EPA 300.0	
% Moisture	8.0	0.1	%	1	P3K0711	11/07/23 10:36	11/07/23 10:40	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Stephan Ansong Asante

BS-2 (4')
3K06015-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	0.607	0.112	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 13:41	EPA 8021B	
Toluene	17.2	0.112	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 13:41	EPA 8021B	
Ethylbenzene	4.49	0.112	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 13:41	EPA 8021B	
Xylene (p/m)	64.1	0.225	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 13:41	EPA 8021B	
Xylene (o)	20.0	0.112	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 13:41	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		103 %	80-120		P3K0709	11/07/23 09:12	11/10/23 13:41	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		87.4 %	80-120		P3K0709	11/07/23 09:12	11/10/23 13:41	EPA 8021B	
Xylenes (total)	84.0	0.225	mg/kg dry	100	[CALC]	11/07/23 09:12	11/10/23 13:41	EPA 8021B	
Total BTEX	106	0.112	mg/kg dry	100	[CALC]	11/07/23 09:12	11/10/23 13:41	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	3790	140	mg/kg dry	5	P3K0608	11/06/23 13:47	11/07/23 19:46	TPH 8015M	
>C12-C28	7060	140	mg/kg dry	5	P3K0608	11/06/23 13:47	11/07/23 19:46	TPH 8015M	
>C28-C35	1250	140	mg/kg dry	5	P3K0608	11/06/23 13:47	11/07/23 19:46	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		90.4 %	70-130		P3K0608	11/06/23 13:47	11/07/23 19:46	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		19.4 %	70-130		P3K0608	11/06/23 13:47	11/07/23 19:46	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	12100	140	mg/kg dry	5	[CALC]	11/06/23 13:47	11/07/23 19:46	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	43.1	1.12	mg/kg dry	1	P3K0610	11/06/23 14:42	11/07/23 00:23	EPA 300.0	
% Moisture	11.0	0.1	%	1	P3K0711	11/07/23 10:36	11/07/23 10:40	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Stephan Ansong Asante

BS-3 (4')
3K06015-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	10.2	0.114	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 14:05	EPA 8021B	
Toluene	57.5	0.114	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 14:05	EPA 8021B	
Ethylbenzene	22.7	0.114	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 14:05	EPA 8021B	
Xylene (p/m)	80.8	0.227	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 14:05	EPA 8021B	
Xylene (o)	29.3	0.114	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 14:05	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		77.7 %	80-120		P3K0709	11/07/23 09:12	11/10/23 14:05	EPA 8021B	S-GC
<i>Surrogate: 4-Bromofluorobenzene</i>		92.1 %	80-120		P3K0709	11/07/23 09:12	11/10/23 14:05	EPA 8021B	
Xylenes (total)	110	0.227	mg/kg dry	100	[CALC]	11/07/23 09:12	11/10/23 14:05	EPA 8021B	
Total BTEX	201	0.114	mg/kg dry	100	[CALC]	11/07/23 09:12	11/10/23 14:05	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	7730	284	mg/kg dry	10	P3K0609	11/06/23 13:49	11/07/23 23:18	TPH 8015M	
>C12-C28	9290	284	mg/kg dry	10	P3K0609	11/06/23 13:49	11/07/23 23:18	TPH 8015M	
>C28-C35	1470	284	mg/kg dry	10	P3K0609	11/06/23 13:49	11/07/23 23:18	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		102 %	70-130		P3K0609	11/06/23 13:49	11/07/23 23:18	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		106 %	70-130		P3K0609	11/06/23 13:49	11/07/23 23:18	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	18500	284	mg/kg dry	10	[CALC]	11/06/23 13:49	11/07/23 23:18	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	52.2	1.14	mg/kg dry	1	P3K0610	11/06/23 14:42	11/07/23 01:06	EPA 300.0	
% Moisture	12.0	0.1	%	1	P3K0711	11/07/23 10:36	11/07/23 10:40	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Stephan Ansong Asante

BS-4 (9')
3K06015-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	2.76	0.116	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 14:29	EPA 8021B	
Toluene	53.4	0.116	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 14:29	EPA 8021B	
Ethylbenzene	25.5	0.116	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 14:29	EPA 8021B	
Xylene (p/m)	85.6	0.233	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 14:29	EPA 8021B	
Xylene (o)	30.3	0.116	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 14:29	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		108 %	80-120		P3K0709	11/07/23 09:12	11/10/23 14:29	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		84.9 %	80-120		P3K0709	11/07/23 09:12	11/10/23 14:29	EPA 8021B	
Xylenes (total)	116	0.233	mg/kg dry	100	[CALC]	11/07/23 09:12	11/10/23 14:29	EPA 8021B	
Total BTEX	198	0.116	mg/kg dry	100	[CALC]	11/07/23 09:12	11/10/23 14:29	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	7950	291	mg/kg dry	10	P3K0609	11/06/23 13:49	11/07/23 23:42	TPH 8015M	
>C12-C28	11000	291	mg/kg dry	10	P3K0609	11/06/23 13:49	11/07/23 23:42	TPH 8015M	
>C28-C35	1790	291	mg/kg dry	10	P3K0609	11/06/23 13:49	11/07/23 23:42	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		112 %	70-130		P3K0609	11/06/23 13:49	11/07/23 23:42	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		108 %	70-130		P3K0609	11/06/23 13:49	11/07/23 23:42	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	20800	291	mg/kg dry	10	[CALC]	11/06/23 13:49	11/07/23 23:42	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	41.0	1.16	mg/kg dry	1	P3K0610	11/06/23 14:42	11/07/23 01:20	EPA 300.0	
% Moisture	14.0	0.1	%	1	P3K0711	11/07/23 10:36	11/07/23 10:40	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Page 14 of 26

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Stephan Ansong Asante

BS-5 (9')
3K06015-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	1.50	0.112	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 15:42	EPA 8021B	
Toluene	32.0	0.112	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 15:42	EPA 8021B	
Ethylbenzene	21.0	0.112	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 15:42	EPA 8021B	
Xylene (p/m)	75.1	0.225	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 15:42	EPA 8021B	
Xylene (o)	25.1	0.112	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 15:42	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		86.1 %	80-120		P3K0709	11/07/23 09:12	11/10/23 15:42	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		110 %	80-120		P3K0709	11/07/23 09:12	11/10/23 15:42	EPA 8021B	
Xylenes (total)	100	0.225	mg/kg dry	100	[CALC]	11/07/23 09:12	11/10/23 15:42	EPA 8021B	
Total BTEX	155	0.112	mg/kg dry	100	[CALC]	11/07/23 09:12	11/10/23 15:42	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	6940	281	mg/kg dry	10	P3K0609	11/06/23 13:49	11/08/23 00:06	TPH 8015M	
>C12-C28	10500	281	mg/kg dry	10	P3K0609	11/06/23 13:49	11/08/23 00:06	TPH 8015M	
>C28-C35	1750	281	mg/kg dry	10	P3K0609	11/06/23 13:49	11/08/23 00:06	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		103 %	70-130		P3K0609	11/06/23 13:49	11/08/23 00:06	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		211 %	70-130		P3K0609	11/06/23 13:49	11/08/23 00:06	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	19200	281	mg/kg dry	10	[CALC]	11/06/23 13:49	11/08/23 00:06	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	44.7	1.12	mg/kg dry	1	P3K0610	11/06/23 14:42	11/07/23 01:34	EPA 300.0	
% Moisture	11.0	0.1	%	1	P3K0711	11/07/23 10:36	11/07/23 10:40	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Stephan Ansong Asante

BS-6 (9')
3K06015-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	5.01	0.118	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 16:07	EPA 8021B	
Toluene	22.0	0.118	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 16:07	EPA 8021B	
Ethylbenzene	6.04	0.118	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 16:07	EPA 8021B	
Xylene (p/m)	44.4	0.235	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 16:07	EPA 8021B	
Xylene (o)	13.3	0.118	mg/kg dry	100	P3K0709	11/07/23 09:12	11/10/23 16:07	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		83.5 %	80-120		P3K0709	11/07/23 09:12	11/10/23 16:07	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		93.6 %	80-120		P3K0709	11/07/23 09:12	11/10/23 16:07	EPA 8021B	
Xylenes (total)	57.7	0.235	mg/kg dry	100	[CALC]	11/07/23 09:12	11/10/23 16:07	EPA 8021B	
Total BTEX	90.7	0.118	mg/kg dry	100	[CALC]	11/07/23 09:12	11/10/23 16:07	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	749	29.4	mg/kg dry	1	P3K0609	11/06/23 13:49	11/08/23 00:30	TPH 8015M	
>C12-C28	1260	29.4	mg/kg dry	1	P3K0609	11/06/23 13:49	11/08/23 00:30	TPH 8015M	
>C28-C35	213	29.4	mg/kg dry	1	P3K0609	11/06/23 13:49	11/08/23 00:30	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		112 %	70-130		P3K0609	11/06/23 13:49	11/08/23 00:30	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		126 %	70-130		P3K0609	11/06/23 13:49	11/08/23 00:30	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	2220	29.4	mg/kg dry	1	[CALC]	11/06/23 13:49	11/08/23 00:30	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	52.0	1.18	mg/kg dry	1	P3K0610	11/06/23 14:42	11/07/23 01:49	EPA 300.0	
% Moisture	15.0	0.1	%	1	P3K0711	11/07/23 10:36	11/07/23 10:40	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Stephan Ansong Asante

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch P3K0709 - * DEFAULT PREP *****

Blank (P3K0709-BLK1)

Prepared & Analyzed: 11/07/23

Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		96.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	80-120			

LCS (P3K0709-BS1)

Prepared & Analyzed: 11/07/23

Benzene	0.0988	0.00100	mg/kg	0.100		98.8	80-120			
Toluene	0.0918	0.00100	"	0.100		91.8	80-120			
Ethylbenzene	0.0982	0.00100	"	0.100		98.2	80-120			
Xylene (p/m)	0.195	0.00200	"	0.200		97.7	80-120			
Xylene (o)	0.0884	0.00100	"	0.100		88.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		97.1	80-120			

LCS Dup (P3K0709-BSD1)

Prepared & Analyzed: 11/07/23

Benzene	0.113	0.00100	mg/kg	0.100		113	80-120	13.5	20	
Toluene	0.107	0.00100	"	0.100		107	80-120	15.2	20	
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120	14.8	20	
Xylene (p/m)	0.224	0.00200	"	0.200		112	80-120	13.4	20	
Xylene (o)	0.0998	0.00100	"	0.100		99.8	80-120	12.1	20	
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.5	80-120			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	80-120			

Calibration Blank (P3K0709-CCB1)

Prepared & Analyzed: 11/07/23

Benzene	0.160		ug/kg							
Toluene	0.210		"							
Ethylbenzene	0.170		"							
Xylene (p/m)	0.250		"							
Xylene (o)	0.160		"							
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		103	80-120			

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Stephan Ansong Asante

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch P3K0709 - * DEFAULT PREP *****

Calibration Check (P3K0709-CCV1)

Prepared & Analyzed: 11/07/23

Benzene	0.0967	0.00100	mg/kg	0.100		96.7	80-120			
Toluene	0.0904	0.00100	"	0.100		90.4	80-120			
Ethylbenzene	0.0934	0.00100	"	0.100		93.4	80-120			
Xylene (p/m)	0.195	0.00200	"	0.200		97.6	80-120			
Xylene (o)	0.0906	0.00100	"	0.100		90.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	75-125			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.1	75-125			

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Stephan Ansong Asante

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch P3K0608 - TX 1005

Blank (P3K0608-BLK1)

Prepared: 11/06/23 Analyzed: 11/07/23

C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	90.1		"	100		90.1	70-130			
Surrogate: o-Terphenyl	57.7		"	50.0		115	70-130			

LCS (P3K0608-BS1)

Prepared: 11/06/23 Analyzed: 11/07/23

C6-C12	975	25.0	mg/kg	1000		97.5	75-125			
>C12-C28	895	25.0	"	1000		89.5	75-125			
Surrogate: 1-Chlorooctane	81.9		"	100		81.9	70-130			
Surrogate: o-Terphenyl	53.4		"	50.0		107	70-130			

LCS Dup (P3K0608-BSD1)

Prepared: 11/06/23 Analyzed: 11/07/23

C6-C12	969	25.0	mg/kg	1000		96.9	75-125	0.587	20	
>C12-C28	927	25.0	"	1000		92.7	75-125	3.53	20	
Surrogate: 1-Chlorooctane	116		"	100		116	70-130			
Surrogate: o-Terphenyl	56.3		"	50.0		113	70-130			

Calibration Check (P3K0608-CCV1)

Prepared: 11/06/23 Analyzed: 11/07/23

C6-C12	532	25.0	mg/kg	500		106	85-115			
>C12-C28	512	25.0	"	500		102	85-115			
Surrogate: 1-Chlorooctane	97.6		"	100		97.6	70-130			
Surrogate: o-Terphenyl	51.7		"	50.0		103	70-130			

Calibration Check (P3K0608-CCV2)

Prepared: 11/06/23 Analyzed: 11/07/23

C6-C12	513	25.0	mg/kg	500		103	85-115			
>C12-C28	502	25.0	"	500		100	85-115			
Surrogate: 1-Chlorooctane	97.6		"	100		97.6	70-130			
Surrogate: o-Terphenyl	50.8		"	50.0		102	70-130			

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Stephan Ansong Asante

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch P3K0608 - TX 1005

Matrix Spike (P3K0608-MS1)

Source: 3K06015-02

Prepared: 11/06/23 Analyzed: 11/07/23

C6-C12	1160	26.0	mg/kg dry	1040	73.6	105	75-125			
>C12-C28	1170	26.0	"	1040	163	97.0	75-125			
Surrogate: 1-Chlorooctane	121		"	104		117	70-130			
Surrogate: o-Terphenyl	55.7		"	52.1		107	70-130			

Matrix Spike Dup (P3K0608-MSD1)

Source: 3K06015-02

Prepared: 11/06/23 Analyzed: 11/07/23

C6-C12	1120	26.0	mg/kg dry	1040	73.6	101	75-125	3.75	20	
>C12-C28	1320	26.0	"	1040	163	111	75-125	13.3	20	
Surrogate: 1-Chlorooctane	133		"	104		128	70-130			
Surrogate: o-Terphenyl	53.5		"	52.1		103	70-130			

Batch P3K0609 - TX 1005

Blank (P3K0609-BLK1)

Prepared: 11/06/23 Analyzed: 11/07/23

C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	98.0		"	100		98.0	70-130			
Surrogate: o-Terphenyl	57.9		"	50.0		116	70-130			

LCS (P3K0609-BS1)

Prepared: 11/06/23 Analyzed: 11/07/23

C6-C12	1060	25.0	mg/kg	1000		106	75-125			
>C12-C28	976	25.0	"	1000		97.6	75-125			
Surrogate: 1-Chlorooctane	91.8		"	100		91.8	70-130			
Surrogate: o-Terphenyl	55.9		"	50.0		112	70-130			

LCS Dup (P3K0609-BSD1)

Prepared: 11/06/23 Analyzed: 11/07/23

C6-C12	1020	25.0	mg/kg	1000		102	75-125	4.55	20	
>C12-C28	980	25.0	"	1000		98.0	75-125	0.423	20	
Surrogate: 1-Chlorooctane	124		"	100		124	70-130			
Surrogate: o-Terphenyl	54.6		"	50.0		109	70-130			

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Stephan Ansong Asante

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch P3K0609 - TX 1005

Calibration Check (P3K0609-CCV1)

Prepared: 11/06/23 Analyzed: 11/07/23

C6-C12	555	25.0	mg/kg	500		111	85-115			
>C12-C28	520	25.0	"	500		104	85-115			
Surrogate: 1-Chlorooctane	108		"	100		108	70-130			
Surrogate: o-Terphenyl	54.6		"	50.0		109	70-130			

Calibration Check (P3K0609-CCV2)

Prepared: 11/06/23 Analyzed: 11/08/23

C6-C12	534	25.0	mg/kg	500		107	85-115			
>C12-C28	528	25.0	"	500		106	85-115			
Surrogate: 1-Chlorooctane	105		"	100		105	70-130			
Surrogate: o-Terphenyl	53.7		"	50.0		107	70-130			

Matrix Spike (P3K0609-MS1)

Source: 3K06014-15

Prepared: 11/06/23 Analyzed: 11/08/23

C6-C12	1140	28.7	mg/kg dry	1150	26.3	97.0	75-125			
>C12-C28	1080	28.7	"	1150	ND	93.6	75-125			
Surrogate: 1-Chlorooctane	131		"	115		114	70-130			
Surrogate: o-Terphenyl	67.2		"	57.5		117	70-130			

Matrix Spike Dup (P3K0609-MSD1)

Source: 3K06014-15

Prepared: 11/06/23 Analyzed: 11/08/23

C6-C12	21000	28.7	mg/kg dry	1150	26.3	NR	75-125	180	20	S-GC
>C12-C28	1080	28.7	"	1150	ND	93.6	75-125	0.0642	20	
Surrogate: 1-Chlorooctane	136		"	115		119	70-130			
Surrogate: o-Terphenyl	62.8		"	57.5		109	70-130			

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Stephan Ansong Asante

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch P3K0610 - * DEFAULT PREP *****

Blank (P3K0610-BLK1) Prepared & Analyzed: 11/06/23

Chloride	ND	1.00	mg/kg							
----------	----	------	-------	--	--	--	--	--	--	--

LCS (P3K0610-BS1) Prepared & Analyzed: 11/06/23

Chloride	18.5		mg/kg	20.0		92.3	90-110			
----------	------	--	-------	------	--	------	--------	--	--	--

LCS Dup (P3K0610-BSD1) Prepared: 11/06/23 Analyzed: 11/07/23

Chloride	18.2		mg/kg	20.0		90.9	90-110	1.52	10	
----------	------	--	-------	------	--	------	--------	------	----	--

Calibration Check (P3K0610-CCV1) Prepared & Analyzed: 11/06/23

Chloride	19.0		mg/kg	20.0		94.9	90-110			
----------	------	--	-------	------	--	------	--------	--	--	--

Calibration Check (P3K0610-CCV2) Prepared & Analyzed: 11/06/23

Chloride	19.4		mg/kg	20.0		96.9	90-110			
----------	------	--	-------	------	--	------	--------	--	--	--

Matrix Spike (P3K0610-MS1) Source: 3K03008-08 Prepared & Analyzed: 11/06/23

Chloride	103		mg/kg	100	7.78	95.3	80-120			
----------	-----	--	-------	-----	------	------	--------	--	--	--

Matrix Spike (P3K0610-MS2) Source: 3K06015-10 Prepared: 11/06/23 Analyzed: 11/07/23

Chloride	99.3		mg/kg	100	0.766	98.6	80-120			
----------	------	--	-------	-----	-------	------	--------	--	--	--

Matrix Spike Dup (P3K0610-MSD1) Source: 3K03008-08 Prepared & Analyzed: 11/06/23

Chloride	103		mg/kg	100	7.78	95.4	80-120	0.0892	20	
----------	-----	--	-------	-----	------	------	--------	--------	----	--

Matrix Spike Dup (P3K0610-MSD2) Source: 3K06015-10 Prepared: 11/06/23 Analyzed: 11/07/23

Chloride	99.2		mg/kg	100	0.766	98.4	80-120	0.142	20	
----------	------	--	-------	-----	-------	------	--------	-------	----	--

Batch P3K0711 - * DEFAULT PREP *****

Blank (P3K0711-BLK1) Prepared & Analyzed: 11/07/23

% Moisture	ND	0.1	%							
------------	----	-----	---	--	--	--	--	--	--	--

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Stephan Ansong Asante

**General Chemistry Parameters by EPA / Standard Methods - Quality Control
 Permian Basin Environmental Lab, L.P.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch P3K0711 - * DEFAULT PREP *****

Blank (P3K0711-BLK2)				Prepared & Analyzed: 11/07/23						
% Moisture	ND	0.1	%							
Duplicate (P3K0711-DUP1)				Source: 3K06014-09 Prepared & Analyzed: 11/07/23						
% Moisture	22.0	0.1	%		21.0			4.65	20	
Duplicate (P3K0711-DUP2)				Source: 3K06015-07 Prepared & Analyzed: 11/07/23						
% Moisture	11.0	0.1	%		12.0			8.70	20	
Duplicate (P3K0711-DUP3)				Source: 3K06017-03 Prepared & Analyzed: 11/07/23						
% Moisture	7.0	0.1	%		7.0			0.00	20	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Stephan Ansong Asante

Notes and Definitions

- S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
- ROI Received on Ice
- BULK Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- LCS Laboratory Control Spike
- MS Matrix Spike
- Dup Duplicate

Report Approved By:  Date: 11/13/2023

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Stephan Ansong Asante
GHD Services-Midland
2135 S. Loop 250 West
Midland, TX 79703

Project: Red Hills Release

Project Number: 12626654

Location: Jal, NM

Lab Order Number: 3L12026



Current Certification

Report Date: 01/04/24

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Stephan Ansong Asante

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WC-121223-12626654-CS-1	3L12026-01	Soil	12/12/23 11:10	12-12-2023 15:41

TCLP 8 RCRA Metals, RCI, analysis were subcontracted to ALS Houston. Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here:

https://www.tceq.texas.gov/assets/public/compliance/compliance_support/qa/labs/als_svcs_houston.pdf

NORM analysis were subcontracted to ARS International, Port Allen LA. Their report is attached to the email due to an incompatibility with our LIMS Reporting module.

Due to a Shipping department error, TCLP Benzene was not put on the Subcontract COC. This was discovered past the expiration date.

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Stephan Ansong Asante

WC-121223-12626654-CS-1
3L12026-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Gasoline Range Organics	341	26.3	mg/kg dry	1	P3L1503	12/15/23 10:05	12/20/23 15:40	EPA 8015M	
Diesel Range Organics	2490	26.3	mg/kg dry	1	P3L1503	12/15/23 10:05	12/20/23 15:40	EPA 8015M	
Oil Range Organics	348	26.3	mg/kg dry	1	P3L1503	12/15/23 10:05	12/20/23 15:40	EPA 8015M	
Surrogate: 1-Chlorooctane		102 %	70-130		P3L1503	12/15/23 10:05	12/20/23 15:40	EPA 8015M	
Surrogate: o-Terphenyl		98.2 %	70-130		P3L1503	12/15/23 10:05	12/20/23 15:40	EPA 8015M	

General Chemistry Parameters by EPA / Standard Methods

Chloride	24.8	1.05	mg/kg dry	1	P3L3007	12/30/23 15:00	01/02/24 20:48	EPA 300.0	
Reactive Cyanide	ND	100	ppm	1	P4A0310	12/22/23 15:26	12/22/23 15:26	SW846 9010B	SUB-13
Ignitability by Flashpoint	> 212	50.0	°F	1	P4A0310	12/19/23 15:00	12/19/23 15:00	ASTM D93-80	SUB-13
pH	8.65	0.10	pH Units	1	P4A0310	12/21/23 11:52	12/21/23 11:52	EPA 9045B	SUB-13
Temp Deg C @ pH	21.40		pH Units	1	P4A0310	12/21/23 11:52	12/21/23 11:52	EPA 9045B	SUB-13
% Moisture	5.0	0.1	%	1	P3L1307	12/13/23 10:35	12/13/23 10:43	ASTM D2216	
Reactive Sulfide	ND	100	ppm	1	P4A0310	12/22/23 15:22	12/22/23 15:22	SW846 9030B	SUB-13

Naturally Occurring Radioactive Material (N.O.R.M.)

Beryllium-7	ND	1.42	pCi/g	1	P3L1810	12/15/23 15:28	12/18/23 11:02	EPA 901.1	SUB12
Bismuth-212	ND	0.73	pCi/g	1	P3L1810	12/15/23 15:28	12/18/23 11:02	EPA 901.1	SUB12
Bismuth-214	0.87	0.12	pCi/g	1	P3L1810	12/15/23 15:28	12/18/23 11:02	EPA 901.1	SUB12
Potassium-40	4.32	2.34	pCi/g	1	P3L1810	12/15/23 15:28	12/18/23 11:02	EPA 901.1	SUB12
Lead 210	ND	1.98	pCi/g	1	P3L1810	12/15/23 15:28	12/18/23 11:02	EPA 901.1	SUB12
Lead-214	0.63	0.27	pCi/g	1	P3L1810	12/15/23 15:28	12/18/23 11:02	EPA 901.1	SUB12
Radium 226	2.60	2.59	pCi/g	1	P3L1810	12/15/23 15:28	12/18/23 11:02	EPA 901.1	SUB12
Radium 228	ND	0.79	pCi/g	1	P3L1810	12/15/23 15:28	12/18/23 11:02	EPA 901.1	SUB12
Scandium-46	ND	0.20	pCi/g	1	P3L1810	12/15/23 15:28	12/18/23 11:02	EPA 901.1	SUB12
Thorium-228	0.26	0.18	pCi/g	1	P3L1810	12/15/23 15:28	12/18/23 11:02	EPA 901.1	SUB12
Thallium-208	0.18	0.11	pCi/g	1	P3L1810	12/15/23 15:28	12/18/23 11:02	EPA 901.1	SUB12
Uranium 235	39.0	0.71	pCi/g	1	P3L1810	12/15/23 15:28	12/18/23 11:02	EPA 901.1	SUB12
Uranium-238	ND	2.01	pCi/g	1	P3L1810	12/15/23 15:28	12/18/23 11:02	EPA 901.1	SUB12
Total Gamma	11.1		pCi/g	1	P3L1810	12/15/23 15:28	12/18/23 11:02	EPA 901.1	SUB12
Beryllium-7 Analysis Error	1.14		+/- 2 Sigma	1	P3L1810	12/15/23 15:28	12/18/23 11:02	EPA 901.1	SUB12
Bismuth-212 Analysis Error	0.65		+/- 2 Sigma	1	P3L1810	12/15/23 15:28	12/18/23 11:02	EPA 901.1	SUB12
Bismuth-214 Analysis Error	0.23		+/- 2 Sigma	1	P3L1810	12/15/23 15:28	12/18/23 11:02	EPA 901.1	SUB12
Potassium-40 Analysis Error	2.20		+/- 2 Sigma	1	P3L1810	12/15/23 15:28	12/18/23 11:02	EPA 901.1	SUB12
Lead 210 Analysis Error	1.40		+/- 2 Sigma	1	P3L1810	12/15/23 15:28	12/18/23 11:02	EPA 901.1	SUB12
Lead-214 Analysis Error	0.23		+/- 2 Sigma	1	P3L1810	12/15/23 15:28	12/18/23 11:02	EPA 901.1	SUB12
Radium 226 Analysis Error	2.02		+/- 2 Sigma	1	P3L1810	12/15/23 15:28	12/18/23 11:02	EPA 901.1	SUB12
Radium 228 Analysis Error	0.69		+/- 2 Sigma	1	P3L1810	12/15/23 15:28	12/18/23 11:02	EPA 901.1	SUB12
Scandium-46 Analysis Error	0.19		+/- 2 Sigma	1	P3L1810	12/15/23 15:28	12/18/23 11:02	EPA 901.1	SUB12
Thorium-228 Analysis error	0.13		+/- 2 Sigma	1	P3L1810	12/15/23 15:28	12/18/23 11:02	EPA 901.1	SUB12

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Stephan Ansong Asante

WC-121223-12626654-CS-1
3L12026-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
Naturally Occuring Radioactive Material (N.O.R.M.)									
Thallium-208 Analysis Error	0.10		+/- 2 Sigma	1	P3L1810	12/15/23 15:28	12/18/23 11:02	EPA 901.1	SUB12
Uranium-235 Analysis error	0.52		+/- 2 Sigma	1	P3L1810	12/15/23 15:28	12/18/23 11:02	EPA 901.1	SUB12
Uranium-238 Analysis Error	1.44		+/- 2 Sigma	1	P3L1810	12/15/23 15:28	12/18/23 11:02	EPA 901.1	SUB12
TCLP Metals 1311 by EPA / Standard Methods									
Mercury	ND	0.000200	mg/L	1	P4A0310	12/22/23 15:00	12/22/23 15:00	EPA 7470A	SUB-13
Arsenic	ND	0.0500	mg/L	1	P4A0310	12/22/23 15:00	01/04/24 14:58	EPA 6020A	SUB-13
Barium	0.584	0.200	mg/L	1	P4A0310	12/22/23 15:00	01/04/24 14:58	EPA 6020A	SUB-13
Cadmium	ND	0.0500	mg/L	1	P4A0310	12/22/23 15:00	01/04/24 14:58	EPA 6020A	SUB-13
Chromium	ND	0.0500	mg/L	1	P4A0310	12/22/23 15:00	01/04/24 14:58	EPA 6020A	SUB-13
Lead	ND	0.0500	mg/L	1	P4A0310	12/22/23 15:00	01/04/24 14:58	EPA 6020A	SUB-13
Selenium	ND	0.0500	mg/L	1	P4A0310	12/22/23 15:00	01/04/24 14:58	EPA 6020A	SUB-13
Silver	ND	0.0500	mg/L	1	P4A0310	12/22/23 15:00	01/04/24 14:58	EPA 6020A	SUB-13
Physical Parameters by APHA/ASTM/EPA Methods									
Free Liquid	PASS		N/A	1	P4A0310	12/13/23 08:00	12/13/23 05:15	EPA 9095	SUB-13

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Stephan Ansong Asante

**Organics by GC - Quality Control
 Permian Basin Environmental Lab, L.P.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch P3L1503 - TX 1005

Blank (P3L1503-BLK1)

Prepared: 12/15/23 Analyzed: 12/16/23

Gasoline Range Organics	ND	25.0	mg/kg							
Diesel Range Organics	ND	25.0	"							
Oil Range Organics	ND	25.0	"							
Surrogate: 1-Chlorooctane	98.1		"	100		98.1	70-130			
Surrogate: o-Terphenyl	58.6		"	50.0		117	70-130			

LCS (P3L1503-BS1)

Prepared: 12/15/23 Analyzed: 12/16/23

Gasoline Range Organics	757	25.0	mg/kg				75-125			
Diesel Range Organics	758	25.0	"	1000		75.8	75-125			
Surrogate: 1-Chlorooctane	107		"	100		107	70-130			
Surrogate: o-Terphenyl	54.6		"	50.0		109	70-130			

LCS Dup (P3L1503-BSD1)

Prepared: 12/15/23 Analyzed: 12/16/23

Gasoline Range Organics	902	25.0	mg/kg				75-125		20	
Diesel Range Organics	866	25.0	"	1000		86.6	75-125	13.4	20	
Surrogate: 1-Chlorooctane	106		"	100		106	70-130			
Surrogate: o-Terphenyl	51.9		"	50.0		104	70-130			

Calibration Check (P3L1503-CCV1)

Prepared: 12/15/23 Analyzed: 12/16/23

Gasoline Range Organics	466	25.0	mg/kg	500		93.2	85-115			
Diesel Range Organics	495	25.0	"	500		99.0	85-115			
Surrogate: 1-Chlorooctane	115		"	100		115	85-115			
Surrogate: o-Terphenyl	59.4		"	50.0		119	85-115			

Calibration Check (P3L1503-CCV2)

Prepared: 12/15/23 Analyzed: 12/16/23

Gasoline Range Organics	507	25.0	mg/kg	500		101	85-115			
Diesel Range Organics	515	25.0	"	500		103	85-115			
Surrogate: 1-Chlorooctane	113		"	100		113	85-115			
Surrogate: o-Terphenyl	63.1		"	50.0		126	85-115			

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Stephan Ansong Asante

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch P3L1503 - TX 1005

Calibration Check (P3L1503-CCV3)

Prepared: 12/15/23 Analyzed: 12/16/23

Gasoline Range Organics	484	25.0	mg/kg	500		96.8	85-115			
Diesel Range Organics	463	25.0	"	500		92.6	85-115			
Surrogate: 1-Chlorooctane	121		"	100		121	85-115			
Surrogate: o-Terphenyl	62.3		"	50.0		125	85-115			

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Stephan Ansong Asante

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3L1307 - *** DEFAULT PREP ***										
Blank (P3L1307-BLK1)	Prepared & Analyzed: 12/13/23									
% Moisture	ND	0.1	%							
Blank (P3L1307-BLK2)	Prepared & Analyzed: 12/13/23									
% Moisture	ND	0.1	%							
Blank (P3L1307-BLK3)	Prepared & Analyzed: 12/13/23									
% Moisture	ND	0.1	%							
Blank (P3L1307-BLK4)	Prepared & Analyzed: 12/13/23									
% Moisture	ND	0.1	%							
Duplicate (P3L1307-DUP1)	Source: 3L11012-02			Prepared & Analyzed: 12/13/23						
% Moisture	3.0	0.1	%		3.0			0.00	20	
Duplicate (P3L1307-DUP2)	Source: 3L11013-04			Prepared & Analyzed: 12/13/23						
% Moisture	2.0	0.1	%		3.0			40.0	20	R3
Duplicate (P3L1307-DUP3)	Source: 3L12008-02			Prepared & Analyzed: 12/13/23						
% Moisture	2.0	0.1	%		3.0			40.0	20	R3
Duplicate (P3L1307-DUP4)	Source: 3L12016-01			Prepared & Analyzed: 12/13/23						
% Moisture	12.0	0.1	%		12.0			0.00	20	
Duplicate (P3L1307-DUP5)	Source: 3L12022-03			Prepared & Analyzed: 12/13/23						
% Moisture	5.0	0.1	%		5.0			0.00	20	
Duplicate (P3L1307-DUP6)	Source: 3L12024-04			Prepared & Analyzed: 12/13/23						
% Moisture	3.0	0.1	%		3.0			0.00	20	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Stephan Ansong Asante

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3L3007 - *** DEFAULT PREP ***										
Blank (P3L3007-BLK1) Prepared: 12/30/23 Analyzed: 01/02/24										
Chloride	ND	1.00	mg/kg							
LCS (P3L3007-BS1) Prepared: 12/30/23 Analyzed: 01/02/24										
Chloride	20.5		mg/kg	20.0		103	90-110			
LCS Dup (P3L3007-BSD1) Prepared: 12/30/23 Analyzed: 01/02/24										
Chloride	20.9		mg/kg	20.0		104	90-110	1.72	10	
Calibration Check (P3L3007-CCV1) Prepared: 12/30/23 Analyzed: 01/02/24										
Chloride	20.7		mg/kg	20.0		104	90-110			
Calibration Check (P3L3007-CCV2) Prepared: 12/30/23 Analyzed: 01/02/24										
Chloride	21.3		mg/kg	20.0		107	90-110			
Matrix Spike (P3L3007-MS1) Source: 3L12023-03 Prepared: 12/30/23 Analyzed: 01/02/24										
Chloride	109		mg/kg	100	6.17	103	80-120			
Matrix Spike (P3L3007-MS2) Source: 3L12022-05 Prepared: 12/30/23 Analyzed: 01/02/24										
Chloride	117		mg/kg	100	10.7	106	80-120			
Matrix Spike Dup (P3L3007-MSD1) Source: 3L12023-03 Prepared: 12/30/23 Analyzed: 01/02/24										
Chloride	109		mg/kg	100	6.17	103	80-120	0.0887	20	
Matrix Spike Dup (P3L3007-MSD2) Source: 3L12022-05 Prepared: 12/30/23 Analyzed: 01/02/24										
Chloride	116		mg/kg	100	10.7	106	80-120	0.282	20	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Stephan Ansong Asante

Notes and Definitions

- SUB-13 Subcontract of analyte/analysis to ALS Houston.
- SUB12 Analysis was subcontracted to ARS Port Allen Louisiana.
- ROI Received on Ice
- R3 The RPD exceeded the acceptance limit due to sample matrix effects.
- BULK Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- LCS Laboratory Control Spike
- MS Matrix Spike
- Dup Duplicate

Report Approved By:  Date: 1/4/2024

Brent Barron, Laboratory Director/Technical Director

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Stephan Ansong Asante

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.



10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

December 28, 2023

Brent Barron
Permian Basin Environmental Lab, LP
10014 SCR 1213
Midland, TX 79706

Work Order: **HS23121123**

Laboratory Results for: **3L12026**

Dear Brent Barron,

ALS Environmental received 1 sample(s) on Dec 15, 2023 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: DAYNA.FISHER
Anna Kinchen
Project Manager

ALS Houston, US

Date: 28-Dec-23

Client: Permian Basin Environmental Lab, LP
Project: 3L12026
Work Order: HS23121123

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23121123-01	3L12026-01	Soil		12-Dec-2023 11:10	15-Dec-2023 09:35	<input type="checkbox"/>

ALS Houston, US

Date: 28-Dec-23

Client: Permian Basin Environmental Lab, LP
Project: 3L12026
Work Order: HS23121123

CASE NARRATIVE

Work Order Comments

- Sample received outside method holding time for pH. pH is an immediate test. Sample results are flagged with an "H" qualifier. The temperature at the time of pH is reported. Please note that all pH results are already normalized to a temperature of 25 °C.

Metals by Method SW7470A

Batch ID: 205389

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Metals by Method SW1311/6020

Batch ID: 205270

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

WetChemistry by Method SW7.3.3.2

Batch ID: R454996

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

WetChemistry by Method SW7.3.4.2

Batch ID: R454994

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

WetChemistry by Method SW9045D

Batch ID: R454842

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

WetChemistry by Method ASTM D92-12b

Batch ID: R454615

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

ALS Houston, US

Date: 28-Dec-23

Client: Permian Basin Environmental Lab, LP
 Project: 3L12026
 Sample ID: 3L12026-01
 Collection Date: 12-Dec-2023 11:10

ANALYTICAL REPORT

WorkOrder:HS23121123
 Lab ID:HS23121123-01
 Matrix:Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A						
	Method:SW1311/6020		Leache:SW1311 / 23-Dec-2023	Prep:SW3010A / 26-Dec-2023		Analyst: MSC
Arsenic	ND		0.0500	mg/L	1	27-Dec-2023 01:54
Barium	0.584		0.200	mg/L	1	27-Dec-2023 01:54
Cadmium	ND		0.0500	mg/L	1	27-Dec-2023 01:54
Chromium	ND		0.0500	mg/L	1	27-Dec-2023 01:54
Lead	ND		0.0500	mg/L	1	27-Dec-2023 01:54
Selenium	ND		0.0500	mg/L	1	27-Dec-2023 01:54
Silver	ND		0.0500	mg/L	1	27-Dec-2023 01:54
TCLP MERCURY BY SW7470A						
	Method:SW7470A		Leache:SW1311 / 23-Dec-2023	Prep:SW7470A / 28-Dec-2023		Analyst: JS
Mercury	ND		0.000200	mg/L	1	28-Dec-2023 15:49
FLASH POINT BY CLEVELAND OPEN CUP ASTM D92-12B						
	Method:ASTM D92-12b					Analyst: TH
Flash Point	> 212	n	50.0	°F	1	19-Dec-2023 15:00
REACTIVE CYANIDE						
	Method:SW7.3.3.2					Analyst: MZD
Reactive Cyanide	ND	n	100	mg/Kg	1	22-Dec-2023 15:26
REACTIVE SULFIDE						
	Method:SW7.3.4.2					Analyst: MZD
Reactive Sulfide	ND	n	100	mg/Kg	1	22-Dec-2023 15:22
PH SOIL BY SW9045D						
	Method:SW9045D					Analyst: MR
pH	8.65	H	0.100	pH Units	1	21-Dec-2023 11:52
Temp Deg C @pH	21.4	H	0	°C	1	21-Dec-2023 11:52

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 28-Dec-23

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP

Project: 3L12026

WorkOrder: HS23121123

Batch ID: 205215	Start Date: 22 Dec 2023 15:00	End Date: 22 Dec 2023 15:00
Method: TCLP MERCURY EXTRACTION BY SW1311	Prep Code: 1311LHG EXT	

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23121123-01		75 (grams)	1500 (mL)	20	8-oz glass, Neat

Batch ID: 205217	Start Date: 22 Dec 2023 15:00	End Date: 22 Dec 2023 15:00
Method: TCLP METALS EXTRACTION BY SW1311	Prep Code: 1311LM EXT	

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23121123-01		100 (grams)	2000 (mL)	20	8-oz glass, Neat

Batch ID: 205270	Start Date: 26 Dec 2023 09:30	End Date: 26 Dec 2023 09:30
Method: TCLP LEACHATE DIGESTION BY SW3010A	Prep Code: 3010A_TCLP	

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23121123-01		1 (mL)	10 (mL)	10	8-oz glass, Neat

Batch ID: 205389	Start Date: 28 Dec 2023 09:00	End Date: 28 Dec 2023 09:00
Method: MERCURY TCLP PREP BY SW7470A	Prep Code: 1311_HGPR	

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23121123-01		10 (mL)	10 (mL)	1	8-oz glass, Neat

ALS Houston, US

Date: 28-Dec-23

Client: Permian Basin Environmental Lab, LP
Project: 3L12026
WorkOrder: HS23121123

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 205270 (0)		Test Name : TCLP METALS BY SW6020A			Matrix: Soil	
HS23121123-01	3L12026-01	12 Dec 2023 11:10	23 Dec 2023 08:00	26 Dec 2023 09:30	27 Dec 2023 01:54	1
Batch ID: 205389 (0)		Test Name : TCLP MERCURY BY SW7470A			Matrix: Soil	
HS23121123-01	3L12026-01	12 Dec 2023 11:10	23 Dec 2023 08:00	28 Dec 2023 09:00	28 Dec 2023 15:49	1
Batch ID: R454615 (0)		Test Name : FLASH POINT BY CLEVELAND OPEN CUP ASTM D92-12B			Matrix: Soil	
HS23121123-01	3L12026-01	12 Dec 2023 11:10			19 Dec 2023 15:00	1
Batch ID: R454842 (0)		Test Name : PH SOIL BY SW9045D			Matrix: Soil	
HS23121123-01	3L12026-01	12 Dec 2023 11:10			21 Dec 2023 11:52	1
Batch ID: R454994 (0)		Test Name : REACTIVE SULFIDE			Matrix: Soil	
HS23121123-01	3L12026-01	12 Dec 2023 11:10			22 Dec 2023 15:22	1
Batch ID: R454996 (0)		Test Name : REACTIVE CYANIDE			Matrix: Soil	
HS23121123-01	3L12026-01	12 Dec 2023 11:10			22 Dec 2023 15:26	1

ALS Houston, US

Date: 28-Dec-23

Client: Permian Basin Environmental Lab, LP
Project: 3L12026
WorkOrder: HS23121123

QC BATCH REPORT

Batch ID: 205270 (0)	Instrument: ICPMS07	Method: TCLP METALS BY SW6020A
-------------------------------	----------------------------	---------------------------------------

MBLK	Sample ID: MBLKT2-205219	Units: mg/L	Analysis Date: 27-Dec-2023 00:55							
Client ID:	Run ID: ICPMS07_455107	SeqNo: 7750962	PrepDate: 26-Dec-2023 DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Arsenic	ND	0.0500								
Barium	ND	0.200								
Cadmium	ND	0.0500								
Chromium	ND	0.0500								
Lead	ND	0.0500								
Selenium	ND	0.0500								
Silver	ND	0.0500								

MBLK	Sample ID: MBLKT1-205217	Units: mg/L	Analysis Date: 27-Dec-2023 00:53							
Client ID:	Run ID: ICPMS07_455107	SeqNo: 7750961	PrepDate: 26-Dec-2023 DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Arsenic	ND	0.0500								
Barium	ND	0.200								
Cadmium	ND	0.0500								
Chromium	ND	0.0500								
Lead	ND	0.0500								
Selenium	ND	0.0500								
Silver	ND	0.0500								

MBLK	Sample ID: MBLK-205270	Units: mg/L	Analysis Date: 27-Dec-2023 00:51							
Client ID:	Run ID: ICPMS07_455107	SeqNo: 7750960	PrepDate: 26-Dec-2023 DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Arsenic	ND	0.00500								
Barium	ND	0.0200								
Cadmium	ND	0.00500								
Chromium	ND	0.00500								
Lead	ND	0.00500								
Selenium	ND	0.00500								
Silver	ND	0.00500								

ALS Houston, US

Date: 28-Dec-23

Client: Permian Basin Environmental Lab, LP
Project: 3L12026
WorkOrder: HS23121123

QC BATCH REPORT

Batch ID: 205270 (0)	Instrument: ICPMS07	Method: TCLP METALS BY SW6020A
-------------------------------	----------------------------	---------------------------------------

LCS		Sample ID: LCS-205270			Units: mg/L		Analysis Date: 27-Dec-2023 00:58			
Client ID:		Run ID: ICPMS07_455107			SeqNo: 7750963		PrepDate: 26-Dec-2023		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04681	0.00500	0.05	0	93.6	80 - 120				
Barium	0.04707	0.0200	0.05	0	94.1	80 - 120				
Cadmium	0.04664	0.00500	0.05	0	93.3	80 - 120				
Chromium	0.04572	0.00500	0.05	0	91.4	80 - 120				
Lead	0.04743	0.00500	0.05	0	94.9	80 - 120				
Selenium	0.04657	0.00500	0.05	0	93.1	80 - 120				
Silver	0.04524	0.00500	0.05	0	90.5	80 - 120				

MS		Sample ID: HS23120596-04MS			Units: mg/L		Analysis Date: 27-Dec-2023 01:05			
Client ID:		Run ID: ICPMS07_455107			SeqNo: 7750936		PrepDate: 26-Dec-2023		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.4356	0.0500	0.5	0.00015	87.1	80 - 120				
Barium	0.6379	0.200	0.5	0.1902	89.5	80 - 120				
Cadmium	0.4604	0.0500	0.5	0.01746	88.6	80 - 120				
Chromium	0.4266	0.0500	0.5	0.0046	84.4	80 - 120				
Lead	0.4361	0.0500	0.5	0.00352	86.5	80 - 120				
Selenium	0.4405	0.0500	0.5	0.00121	87.9	80 - 120				
Silver	0.421	0.0500	0.5	0.00048	84.1	80 - 120				

MSD		Sample ID: HS23120596-04MSD			Units: mg/L		Analysis Date: 27-Dec-2023 01:07			
Client ID:		Run ID: ICPMS07_455107			SeqNo: 7750937		PrepDate: 26-Dec-2023		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.4892	0.0500	0.5	0.00015	97.8	80 - 120	0.4356	11.6	20	
Barium	0.694	0.200	0.5	0.1902	101	80 - 120	0.6379	8.44	20	
Cadmium	0.4958	0.0500	0.5	0.01746	95.7	80 - 120	0.4604	7.41	20	
Chromium	0.4701	0.0500	0.5	0.0046	93.1	80 - 120	0.4266	9.71	20	
Lead	0.4914	0.0500	0.5	0.00352	97.6	80 - 120	0.4361	11.9	20	
Selenium	0.486	0.0500	0.5	0.00121	97.0	80 - 120	0.4405	9.83	20	
Silver	0.4529	0.0500	0.5	0.00048	90.5	80 - 120	0.421	7.3	20	

ALS Houston, US

Date: 28-Dec-23

Client: Permian Basin Environmental Lab, LP
Project: 3L12026
WorkOrder: HS23121123

QC BATCH REPORT

Batch ID: 205270 (0) **Instrument:** ICPMS07 **Method:** TCLP METALS BY SW6020A

PDS		Sample ID: HS23120596-04PDS			Units: mg/L		Analysis Date: 27-Dec-2023 01:10			
Client ID:		Run ID: ICPMS07_455107			SeqNo: 7750938		PrepDate: 26-Dec-2023		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.9522	0.0500	1	0.00015	95.2	75 - 125				
Barium	1.163	0.200	1	0.1902	97.3	75 - 125				
Cadmium	0.9718	0.0500	1	0.01746	95.4	75 - 125				
Chromium	0.9149	0.0500	1	0.0046	91.0	75 - 125				
Lead	0.9574	0.0500	1	0.00352	95.4	75 - 125				
Selenium	0.956	0.0500	1	0.00121	95.5	75 - 125				
Silver	0.9601	0.0500	1	0.00048	96.0	75 - 125				

SD		Sample ID: HS23120596-04SD			Units: mg/L		Analysis Date: 27-Dec-2023 01:03			
Client ID:		Run ID: ICPMS07_455107			SeqNo: 7750935		PrepDate: 26-Dec-2023		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	ND	0.250					0.00015	0	10	
Barium	0.1962	1.00					0.1902	0	10	J
Cadmium	0.01555	0.250					0.01746	0	10	J
Chromium	ND	0.250					0.0046	0	10	
Lead	ND	0.250					0.00352	0	10	
Selenium	ND	0.250					0.00121	0	10	
Silver	ND	0.250					0.00048	0	10	

The following samples were analyzed in this batch: HS23121123-01

ALS Houston, US

Date: 28-Dec-23

Client: Permian Basin Environmental Lab, LP
Project: 3L12026
WorkOrder: HS23121123

QC BATCH REPORT

Batch ID: 205389 (0)	Instrument: HG04	Method: TCLP MERCURY BY SW7470A
-------------------------------	-------------------------	--

MBLK	Sample ID: MBLKT2-205216	Units: mg/L	Analysis Date: 28-Dec-2023 15:11							
Client ID:	Run ID: HG04_455352	SeqNo: 7755003	PrepDate: 28-Dec-2023 DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual

Mercury ND 0.000200

MBLK	Sample ID: MBLKT3-205235	Units: mg/L	Analysis Date: 28-Dec-2023 15:12							
Client ID:	Run ID: HG04_455352	SeqNo: 7755004	PrepDate: 28-Dec-2023 DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual

Mercury ND 0.000200

MBLK	Sample ID: MBLKT1-205215	Units: mg/L	Analysis Date: 28-Dec-2023 15:09							
Client ID:	Run ID: HG04_455352	SeqNo: 7755002	PrepDate: 28-Dec-2023 DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual

Mercury ND 0.000200

MBLK	Sample ID: MBLK-205389	Units: mg/L	Analysis Date: 28-Dec-2023 15:06							
Client ID:	Run ID: HG04_455352	SeqNo: 7755000	PrepDate: 28-Dec-2023 DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual

Mercury ND 0.000200

LCS	Sample ID: LCS-205389	Units: mg/L	Analysis Date: 28-Dec-2023 15:07							
Client ID:	Run ID: HG04_455352	SeqNo: 7755001	PrepDate: 28-Dec-2023 DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual

Mercury 0.00485 0.000200 0.005 0 97.0 80 - 120

MS	Sample ID: HS23121453-05MS	Units: mg/L	Analysis Date: 28-Dec-2023 16:07							
Client ID:	Run ID: HG04_455352	SeqNo: 7755027	PrepDate: 28-Dec-2023 DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual

Mercury 0.00498 0.000200 0.005 0.000002 99.6 75 - 125

ALS Houston, US

Date: 28-Dec-23

Client: Permian Basin Environmental Lab, LP
Project: 3L12026
WorkOrder: HS23121123

QC BATCH REPORT

Batch ID: 205389 (0) Instrument: HG04 Method: TCLP MERCURY BY SW7470A

MSD	Sample ID: HS23121453-05MSD	Units: mg/L			Analysis Date: 28-Dec-2023 16:19				
Client ID:	Run ID: HG04_455352	SeqNo: 7755030	PrepDate: 28-Dec-2023	DF: 1					
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Mercury	0.00526	0.000200	0.005	0.000002	105	75 - 125	0.00498	5.47	20

The following samples were analyzed in this batch: HS23121123-01

ALS Houston, US

Date: 28-Dec-23

Client: Permian Basin Environmental Lab, LP
Project: 3L12026
WorkOrder: HS23121123

QC BATCH REPORT

Batch ID: R454615 (0)		Instrument: WetChem_HS		Method: FLASH POINT BY CLEVELAND OPEN CUP ASTM D92-12B					
DUP	Sample ID: HS23120907-01DUP	Units: °F		Analysis Date: 19-Dec-2023 15:00					
Client ID:	Run ID: WetChem_HS_454615	SeqNo: 7737811		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Flash Point	> 212	50.0					0	0	30

The following samples were analyzed in this batch: HS23121123-01

ALS Houston, US

Date: 28-Dec-23

Client: Permian Basin Environmental Lab, LP
Project: 3L12026
WorkOrder: HS23121123

QC BATCH REPORT

Batch ID: R454842 (0)		Instrument: WetChem_HS		Method: PH SOIL BY SW9045D						
DUP	Sample ID: HS23121114-05DUP	Units: pH Units		Analysis Date: 21-Dec-2023 11:51						
Client ID:	Run ID: WetChem_HS_454842	SeqNo: 7743030		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

pH	5.59	0.100					6.09	8.56	10	
Temp Deg C @pH	21.4	0					21.3	0.468	10	

The following samples were analyzed in this batch: HS23121123-01

ALS Houston, US

Date: 28-Dec-23

Client: Permian Basin Environmental Lab, LP
Project: 3L12026
WorkOrder: HS23121123

QC BATCH REPORT

Batch ID: R454994 (0)	Instrument: WetChem_HS	Method: REACTIVE SULFIDE
--------------------------------	-------------------------------	---------------------------------

MBLK	Sample ID: MBLK-R454994	Units: mg/Kg	Analysis Date: 22-Dec-2023 15:22							
Client ID:	Run ID: WetChem_HS_454994	SeqNo: 7746605	PrepDate: DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual

Reactive Sulfide ND 100

LCS	Sample ID: LCS-R454994	Units: mg/Kg	Analysis Date: 22-Dec-2023 15:22							
Client ID:	Run ID: WetChem_HS_454994	SeqNo: 7746604	PrepDate: DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual

Reactive Sulfide 69.6 100 100 0 69.6 20 - 120 J

MS	Sample ID: HS23120993-01MS	Units: mg/Kg	Analysis Date: 22-Dec-2023 15:22							
Client ID:	Run ID: WetChem_HS_454994	SeqNo: 7746607	PrepDate: DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual

Reactive Sulfide 65.6 100 100 -2.4 68.0 20 - 120 J

The following samples were analyzed in this batch: HS23121123-01

ALS Houston, US

Date: 28-Dec-23

Client: Permian Basin Environmental Lab, LP
Project: 3L12026
WorkOrder: HS23121123

QC BATCH REPORT

Batch ID: R454996 (0)		Instrument: UV-2450		Method: REACTIVE CYANIDE					
MBLK	Sample ID: MBLK-R454996	Units: mg/Kg		Analysis Date: 22-Dec-2023 15:26					
Client ID:	Run ID: UV-2450_454996	SeqNo: 7746630		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual

Reactive Cyanide ND 100

LCS		Sample ID: LCS-R454996		Units: mg/Kg		Analysis Date: 22-Dec-2023 15:26			
Client ID:	Run ID: UV-2450_454996	SeqNo: 7746629		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual

Reactive Cyanide 0.63 100 10 0 6.30 5 - 100 J

MS		Sample ID: HS23120993-01MS		Units: mg/Kg		Analysis Date: 22-Dec-2023 15:26			
Client ID:	Run ID: UV-2450_454996	SeqNo: 7746634		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual

Reactive Cyanide 0.7 100 10 0 7.00 5 - 100 J

The following samples were analyzed in this batch: HS23121123-01

ALS Houston, US

Date: 28-Dec-23

Client: Permian Basin Environmental Lab, LP
Project: 3L12026
WorkOrder: HS23121123

**QUALIFIERS,
ACRONYMS, UNITS**

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
Date	
mg/Kg	Milligrams per Kilogram
mg/L	Milligrams per Liter

ALS Houston, US

Date: 28-Dec-23

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2023-140	31-Aug-2024
Texas	T104704231-23-32	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

ALS Houston, US

Date: 28-Dec-23

Sample Receipt Checklist

Work Order ID: HS23121123

Date/Time Received: 15-Dec-2023 09:35

Client Name: Permian Basin Lab

Received by: Paresh M. Giga

Completed By: /S/ Corey Grandits	16-Dec-2023 13:57	Reviewed by: /S/ Anna Kinchen	19-Dec-2023 15:20
eSignature	Date/Time	eSignature	Date/Time

Matrices: S

Carrier name: FedEx

- Shipping container/cooler in good condition? Yes No Not Present
- Custody seals intact on shipping container/cooler? Yes No Not Present
- Custody seals intact on sample bottles? Yes No Not Present
- VOA/TX1005/TX1006 Solids in hermetically sealed vials? Yes No Not Present
- Chain of custody present? Yes No 1 Page(s)
- Chain of custody signed when relinquished and received? Yes No
- Samplers name present on COC? Yes No
- Chain of custody agrees with sample labels? Yes No
- Samples in proper container/bottle? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time? Yes No
- Container/Temp Blank temperature in compliance? Yes No

Temperature(s)/Thermometer(s):	1.8UC/1.7C	IR31
Cooler(s)/Kit(s):	Red	
Date/Time sample(s) sent to storage:	12/16/23	
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/> No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/> No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted?	Yes <input type="checkbox"/> No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted by:		

Login Notes:

Client Contacted: _____ Date Contacted: _____ Person Contacted: _____
 Contacted By: _____ Regarding: _____

Comments:

Corrective Action:

ORIGIN ID:MAFA (432) 886-7235
 BRENT BARRON
 PSE LAB
 1400 RANKIN HWY
 MIDLAND TX 79701
 UNITED STATES US

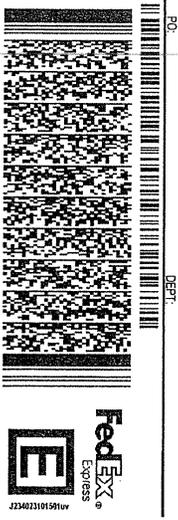
SHIP DATE: 14DEC23
 ACTWT: 10.00 LB
 C.O.D.: 07138946NET7435
 DIMS: 13.9x9 IN
 BILL RECEIPT

TO: **SAMPLE RECEIVING**
ALS-HOUSTON
10450 STANCLIFF RD

HOUSTON TX 77099

REF: (281) 530-9615

583J27C14/BAE3



TRK# 7744 8756 7052
 0207

FRI - 15 DEC 5:00P
STANDARD OVERNIGHT

ABSGRA

TX-US IAH
77099



Red

DEC 15 2023

After printing this label:
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
 1. Fold the printed page along the horizontal line
 2. Piece label in shipping pouch and affix it to your shipment

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Mitchell Clemens
GHD Services-Midland
2135 S. Loop 250 West
Midland, TX 79703

Project: Red Hills Release
Project Number: 12626654
Location: Lea

Lab Order Number: 4C28013



Current Certification

Report Date: 04/09/24

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Mitchell Clemens

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-1 (10')	4C28013-01	Soil	03/27/24 13:04	03-28-2024 16:50
SB-1 (12')	4C28013-02	Soil	03/27/24 13:08	03-28-2024 16:50
SB-1 (14')	4C28013-03	Soil	03/27/24 13:12	03-28-2024 16:50
SB-1 (16')	4C28013-04	Soil	03/27/24 13:16	03-28-2024 16:50
SB-1 (18')	4C28013-05	Soil	03/27/24 13:20	03-28-2024 16:50
SB-1 (20')	4C28013-06	Soil	03/27/24 13:24	03-28-2024 16:50
SB-1 (25')	4C28013-07	Soil	03/27/24 13:28	03-28-2024 16:50
SB-1 (30')	4C28013-08	Soil	03/27/24 13:32	03-28-2024 16:50
SB-1 (35')	4C28013-09	Soil	03/27/24 13:36	03-28-2024 16:50
SB-1 (40')	4C28013-10	Soil	03/27/24 13:40	03-28-2024 16:50
SB-1 (45')	4C28013-11	Soil	03/27/24 13:44	03-28-2024 16:50
SB-1 (50')	4C28013-12	Soil	03/27/24 13:48	03-28-2024 16:50
SB-1 (55')	4C28013-13	Soil	03/27/24 13:52	03-28-2024 16:50
SB-1 (60')	4C28013-14	Soil	03/27/24 13:56	03-28-2024 16:50
SB-1 (65')	4C28013-15	Soil	03/27/24 14:00	03-28-2024 16:50
SB-1 (70')	4C28013-16	Soil	03/27/24 14:04	03-28-2024 16:50
SB-2A (2')	4C28013-17	Soil	03/27/24 10:38	03-28-2024 16:50
SB-2A (4')	4C28013-18	Soil	03/27/24 10:42	03-28-2024 16:50
SB-2A (6')	4C28013-19	Soil	03/27/24 10:46	03-28-2024 16:50
SB-2A (8')	4C28013-20	Soil	03/27/24 10:50	03-28-2024 16:50
SB-2A (10')	4C28013-21	Soil	03/27/24 10:54	03-28-2024 16:50
SB-2A (12')	4C28013-22	Soil	03/27/24 10:58	03-28-2024 16:50
SB-2A (14')SB-2A (14')	4C28013-23	Soil	03/27/24 11:02	03-28-2024 16:50
SB-2A (16')	4C28013-24	Soil	03/27/24 11:06	03-28-2024 16:50
SB-2A (18')	4C28013-25	Soil	03/27/24 11:10	03-28-2024 16:50
SB-2A (20')	4C28013-26	Soil	03/27/24 11:14	03-28-2024 16:50
SB-3A (2')	4C28013-27	Soil	03/27/24 10:00	03-28-2024 16:50
SB-3A (4')	4C28013-28	Soil	03/27/24 10:04	03-28-2024 16:50
SB-3A (6')	4C28013-29	Soil	03/27/24 10:08	03-28-2024 16:50
SB-3A (8')	4C28013-30	Soil	03/27/24 10:12	03-28-2024 16:50
SB-3A (10')	4C28013-31	Soil	03/27/24 10:16	03-28-2024 16:50
SB-3A (12')	4C28013-32	Soil	03/27/24 10:18	03-28-2024 16:50
SB-3A (14')	4C28013-33	Soil	03/27/24 10:22	03-28-2024 16:50
SB-3A (16')	4C28013-34	Soil	03/27/24 10:26	03-28-2024 16:50

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-3A (18')	4C28013-35	Soil	03/27/24 10:30	03-28-2024 16:50
SB-3A (20')	4C28013-36	Soil	03/27/24 10:34	03-28-2024 16:50
SB-5A (2')	4C28013-37	Soil	03/27/24 11:22	03-28-2024 16:50
SB-5A (4')	4C28013-38	Soil	03/27/24 11:26	03-28-2024 16:50
SB-5A (6')	4C28013-39	Soil	03/27/24 11:30	03-28-2024 16:50
SB-5A (8')	4C28013-40	Soil	03/27/24 11:34	03-28-2024 16:50
SB-5A (10')	4C28013-41	Soil	03/27/24 11:38	03-28-2024 16:50
SB-5A (12')	4C28013-42	Soil	03/27/24 11:42	03-28-2024 16:50
SB-5A (14')	4C28013-43	Soil	03/27/24 11:46	03-28-2024 16:50
SB-5A (16')	4C28013-44	Soil	03/27/24 11:50	03-28-2024 16:50
SB-5A (18')	4C28013-45	Soil	03/27/24 11:54	03-28-2024 16:50
SB-5A (20')	4C28013-46	Soil	03/27/24 11:58	03-28-2024 16:50
SB-4A (6')	4C28013-47	Soil	03/28/24 11:30	03-28-2024 16:50

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-1 (10')
4C28013-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Gasoline Range Organics	328	26.0	mg/kg dry	1	P4C2902	03/29/24 17:02	03/30/24 09:59	EPA 8015M	
Diesel Range Organics	2050	26.0	mg/kg dry	1	P4C2902	03/29/24 17:02	03/30/24 09:59	EPA 8015M	
Oil Range Organics	283	26.0	mg/kg dry	1	P4C2902	03/29/24 17:02	03/30/24 09:59	EPA 8015M	
<i>Surrogate: 1-Chlorooctane</i>		97.6 %	70-130		P4C2902	03/29/24 17:02	03/30/24 09:59	EPA 8015M	
<i>Surrogate: o-Terphenyl</i>		88.4 %	70-130		P4C2902	03/29/24 17:02	03/30/24 09:59	EPA 8015M	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	4.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	
-------------------	------------	-----	---	---	---------	----------------	----------------	------------	--

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-1 (12')
4C28013-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Gasoline Range Organics	950	26.9	mg/kg dry	1	P4C2902	03/29/24 17:02	03/30/24 10:22	EPA 8015M	
Diesel Range Organics	3080	26.9	mg/kg dry	1	P4C2902	03/29/24 17:02	03/30/24 10:22	EPA 8015M	
Oil Range Organics	433	26.9	mg/kg dry	1	P4C2902	03/29/24 17:02	03/30/24 10:22	EPA 8015M	
<i>Surrogate: 1-Chlorooctane</i>		91.0 %	70-130		P4C2902	03/29/24 17:02	03/30/24 10:22	EPA 8015M	
<i>Surrogate: o-Terphenyl</i>		90.3 %	70-130		P4C2902	03/29/24 17:02	03/30/24 10:22	EPA 8015M	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	7.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	
-------------------	------------	-----	---	---	---------	----------------	----------------	------------	--

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-1 (14')
4C28013-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Gasoline Range Organics	165	26.0	mg/kg dry	1	P4C2902	03/29/24 17:02	03/30/24 10:45	EPA 8015M	
Diesel Range Organics	1410	26.0	mg/kg dry	1	P4C2902	03/29/24 17:02	03/30/24 10:45	EPA 8015M	
Oil Range Organics	220	26.0	mg/kg dry	1	P4C2902	03/29/24 17:02	03/30/24 10:45	EPA 8015M	
<i>Surrogate: 1-Chlorooctane</i>	<i>87.0 %</i>		<i>70-130</i>		<i>P4C2902</i>	<i>03/29/24 17:02</i>	<i>03/30/24 10:45</i>	<i>EPA 8015M</i>	
<i>Surrogate: o-Terphenyl</i>	<i>89.8 %</i>		<i>70-130</i>		<i>P4C2902</i>	<i>03/29/24 17:02</i>	<i>03/30/24 10:45</i>	<i>EPA 8015M</i>	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	4.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	
-------------------	------------	-----	---	---	---------	----------------	----------------	------------	--

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-1 (16')
4C28013-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Gasoline Range Organics	615	26.9	mg/kg dry	1	P4C2902	03/29/24 17:02	03/30/24 11:08	EPA 8015M	
Diesel Range Organics	2990	26.9	mg/kg dry	1	P4C2902	03/29/24 17:02	03/30/24 11:08	EPA 8015M	
Oil Range Organics	412	26.9	mg/kg dry	1	P4C2902	03/29/24 17:02	03/30/24 11:08	EPA 8015M	
<i>Surrogate: 1-Chlorooctane</i>		105 %	70-130		P4C2902	03/29/24 17:02	03/30/24 11:08	EPA 8015M	
<i>Surrogate: o-Terphenyl</i>		77.1 %	70-130		P4C2902	03/29/24 17:02	03/30/24 11:08	EPA 8015M	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	7.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	
-------------------	------------	-----	---	---	---------	----------------	----------------	------------	--

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-1 (18')
4C28013-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Gasoline Range Organics	160	25.8	mg/kg dry	1	P4C2902	03/29/24 17:02	03/30/24 11:31	EPA 8015M	
Diesel Range Organics	1410	25.8	mg/kg dry	1	P4C2902	03/29/24 17:02	03/30/24 11:31	EPA 8015M	
Oil Range Organics	212	25.8	mg/kg dry	1	P4C2902	03/29/24 17:02	03/30/24 11:31	EPA 8015M	
<i>Surrogate: 1-Chlorooctane</i>		83.5 %	70-130		P4C2902	03/29/24 17:02	03/30/24 11:31	EPA 8015M	
<i>Surrogate: o-Terphenyl</i>		87.3 %	70-130		P4C2902	03/29/24 17:02	03/30/24 11:31	EPA 8015M	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	3.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	
-------------------	------------	-----	---	---	---------	----------------	----------------	------------	--

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-1 (20')
4C28013-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00103	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 05:32	EPA 8021B	
Toluene	0.00139	0.00103	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 05:32	EPA 8021B	
Ethylbenzene	0.00806	0.00103	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 05:32	EPA 8021B	
Xylene (p/m)	0.0515	0.00206	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 05:32	EPA 8021B	
Xylene (o)	0.0166	0.00103	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 05:32	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		129 %	80-120		P4D0114	04/01/24 10:40	04/02/24 05:32	EPA 8021B	S-GC
<i>Surrogate: 1,4-Difluorobenzene</i>		80.9 %	80-120		P4D0114	04/01/24 10:40	04/02/24 05:32	EPA 8021B	
Xylenes (total)	0.0680	0.00103	mg/kg dry	1	[CALC]	04/01/24 10:40	04/02/24 05:32	EPA 8021B	
Total BTEX	0.0775	0.00103	mg/kg dry	1	[CALC]	04/01/24 10:40	04/02/24 05:32	EPA 8021B	

Organics by GC

Gasoline Range Organics	139	25.8	mg/kg dry	1	P4C2902	03/29/24 17:02	03/30/24 11:54	EPA 8015M	
Diesel Range Organics	1360	25.8	mg/kg dry	1	P4C2902	03/29/24 17:02	03/30/24 11:54	EPA 8015M	
Oil Range Organics	188	25.8	mg/kg dry	1	P4C2902	03/29/24 17:02	03/30/24 11:54	EPA 8015M	
<i>Surrogate: 1-Chlorooctane</i>		85.3 %	70-130		P4C2902	03/29/24 17:02	03/30/24 11:54	EPA 8015M	
<i>Surrogate: o-Terphenyl</i>		90.6 %	70-130		P4C2902	03/29/24 17:02	03/30/24 11:54	EPA 8015M	

General Chemistry Parameters by EPA / Standard Methods

Chloride	52.2	1.03	mg/kg dry	1	P4D0113	04/01/24 12:14	04/01/24 15:34	EPA 300.0	
% Moisture	3.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-1 (25')
4C28013-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Gasoline Range Organics	412	26.0	mg/kg dry	1	P4C2902	03/29/24 17:02	03/30/24 12:17	EPA 8015M	
Diesel Range Organics	2810	26.0	mg/kg dry	1	P4C2902	03/29/24 17:02	03/30/24 12:17	EPA 8015M	
Oil Range Organics	380	26.0	mg/kg dry	1	P4C2902	03/29/24 17:02	03/30/24 12:17	EPA 8015M	
<i>Surrogate: 1-Chlorooctane</i>		103 %	70-130		P4C2902	03/29/24 17:02	03/30/24 12:17	EPA 8015M	
<i>Surrogate: o-Terphenyl</i>		90.9 %	70-130		P4C2902	03/29/24 17:02	03/30/24 12:17	EPA 8015M	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	4.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	
-------------------	------------	-----	---	---	---------	----------------	----------------	------------	--

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Mitchell Clemens

SB-1 (30')
4C28013-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00103	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 05:55	EPA 8021B	
Toluene	0.0265	0.00103	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 05:55	EPA 8021B	
Ethylbenzene	0.100	0.00103	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 05:55	EPA 8021B	
Xylene (p/m)	0.729	0.00206	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 05:55	EPA 8021B	
Xylene (o)	0.275	0.00103	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 05:55	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		156 %	80-120		P4D0114	04/01/24 10:40	04/02/24 05:55	EPA 8021B	S-GC
<i>Surrogate: 1,4-Difluorobenzene</i>		86.1 %	80-120		P4D0114	04/01/24 10:40	04/02/24 05:55	EPA 8021B	
Xylenes (total)	1.00	0.00103	mg/kg dry	1	[CALC]	04/01/24 10:40	04/02/24 05:55	EPA 8021B	
Total BTEX	1.13	0.00103	mg/kg dry	1	[CALC]	04/01/24 10:40	04/02/24 05:55	EPA 8021B	

Organics by GC

Gasoline Range Organics	562	25.8	mg/kg dry	1	P4C2902	03/29/24 17:02	03/30/24 12:40	EPA 8015M	
Diesel Range Organics	3020	25.8	mg/kg dry	1	P4C2902	03/29/24 17:02	03/30/24 12:40	EPA 8015M	
Oil Range Organics	412	25.8	mg/kg dry	1	P4C2902	03/29/24 17:02	03/30/24 12:40	EPA 8015M	
<i>Surrogate: 1-Chlorooctane</i>		114 %	70-130		P4C2902	03/29/24 17:02	03/30/24 12:40	EPA 8015M	
<i>Surrogate: o-Terphenyl</i>		89.6 %	70-130		P4C2902	03/29/24 17:02	03/30/24 12:40	EPA 8015M	

General Chemistry Parameters by EPA / Standard Methods

Chloride	59.0	1.03	mg/kg dry	1	P4D0113	04/01/24 12:14	04/01/24 15:53	EPA 300.0	
% Moisture	3.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-1 (35')
4C28013-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Gasoline Range Organics	153	25.8	mg/kg dry	1	P4C2902	03/29/24 17:02	03/30/24 13:03	EPA 8015M	
Diesel Range Organics	1580	25.8	mg/kg dry	1	P4C2902	03/29/24 17:02	03/30/24 13:03	EPA 8015M	
Oil Range Organics	225	25.8	mg/kg dry	1	P4C2902	03/29/24 17:02	03/30/24 13:03	EPA 8015M	
<i>Surrogate: 1-Chlorooctane</i>	<i>85.1 %</i>		<i>70-130</i>		<i>P4C2902</i>	<i>03/29/24 17:02</i>	<i>03/30/24 13:03</i>	<i>EPA 8015M</i>	
<i>Surrogate: o-Terphenyl</i>	<i>92.3 %</i>		<i>70-130</i>		<i>P4C2902</i>	<i>03/29/24 17:02</i>	<i>03/30/24 13:03</i>	<i>EPA 8015M</i>	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	3.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	
-------------------	------------	-----	---	---	---------	----------------	----------------	------------	--

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Mitchell Clemens

SB-1 (40')
4C28013-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00102	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 06:17	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 06:17	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 06:17	EPA 8021B	
Xylene (p/m)	0.00264	0.00204	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 06:17	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 06:17	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		80.6 %	80-120		P4D0114	04/01/24 10:40	04/02/24 06:17	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		124 %	80-120		P4D0114	04/01/24 10:40	04/02/24 06:17	EPA 8021B	S-GC
Xylenes (total)	0.00264	0.00102	mg/kg dry	1	[CALC]	04/01/24 10:40	04/02/24 06:17	EPA 8021B	
Total BTEX	0.00264	0.00102	mg/kg dry	1	[CALC]	04/01/24 10:40	04/02/24 06:17	EPA 8021B	

Organics by GC

Gasoline Range Organics	ND	25.5	mg/kg dry	1	P4C2902	03/29/24 17:02	03/30/24 13:26	EPA 8015M	
Diesel Range Organics	345	25.5	mg/kg dry	1	P4C2902	03/29/24 17:02	03/30/24 13:26	EPA 8015M	
Oil Range Organics	73.4	25.5	mg/kg dry	1	P4C2902	03/29/24 17:02	03/30/24 13:26	EPA 8015M	
<i>Surrogate: 1-Chlorooctane</i>		81.7 %	70-130		P4C2902	03/29/24 17:02	03/30/24 13:26	EPA 8015M	
<i>Surrogate: o-Terphenyl</i>		91.7 %	70-130		P4C2902	03/29/24 17:02	03/30/24 13:26	EPA 8015M	

General Chemistry Parameters by EPA / Standard Methods

Chloride	46.2	1.02	mg/kg dry	1	P4D0113	04/01/24 12:14	04/01/24 16:12	EPA 300.0	
% Moisture	2.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-1 (45')
4C28013-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Gasoline Range Organics	33.6	25.8	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 05:02	EPA 8015M	
Diesel Range Organics	142	25.8	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 05:02	EPA 8015M	
Oil Range Organics	ND	25.8	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 05:02	EPA 8015M	
Surrogate: 1-Chlorooctane	98.0 %		70-130		P4C2903	03/29/24 11:43	03/30/24 05:02	EPA 8015M	
Surrogate: o-Terphenyl	91.8 %		70-130		P4C2903	03/29/24 11:43	03/30/24 05:02	EPA 8015M	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	3.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	
-------------------	------------	-----	---	---	---------	----------------	----------------	------------	--

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-1 (50')
4C28013-12 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 06:40	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 06:40	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 06:40	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 06:40	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 06:40	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		81.0 %	80-120		P4D0114	04/01/24 10:40	04/02/24 06:40	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		123 %	80-120		P4D0114	04/01/24 10:40	04/02/24 06:40	EPA 8021B	S-GC
Xylenes (total)	ND	0.00103	mg/kg dry	1	[CALC]	04/01/24 10:40	04/02/24 06:40	EPA 8021B	
Total BTEX	ND	0.00103	mg/kg dry	1	[CALC]	04/01/24 10:40	04/02/24 06:40	EPA 8021B	
Organics by GC									
Gasoline Range Organics	28.7	25.8	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 05:25	EPA 8015M	
Diesel Range Organics	117	25.8	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 05:25	EPA 8015M	
Oil Range Organics	ND	25.8	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 05:25	EPA 8015M	
Surrogate: 1-Chlorooctane		92.8 %	70-130		P4C2903	03/29/24 11:43	03/30/24 05:25	EPA 8015M	
Surrogate: o-Terphenyl		85.6 %	70-130		P4C2903	03/29/24 11:43	03/30/24 05:25	EPA 8015M	
General Chemistry Parameters by EPA/ Standard Methods									
Chloride	57.1	1.03	mg/kg dry	1	P4D0113	04/01/24 12:14	04/01/24 16:32	EPA 300.0	
% Moisture	3.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-1 (55')
4C28013-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Gasoline Range Organics	28.3	25.5	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 05:47	EPA 8015M	
Diesel Range Organics	107	25.5	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 05:47	EPA 8015M	
Oil Range Organics	ND	25.5	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 05:47	EPA 8015M	
Surrogate: 1-Chlorooctane	96.3 %		70-130		P4C2903	03/29/24 11:43	03/30/24 05:47	EPA 8015M	
Surrogate: o-Terphenyl	90.2 %		70-130		P4C2903	03/29/24 11:43	03/30/24 05:47	EPA 8015M	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	2.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	
-------------------	------------	-----	---	---	---------	----------------	----------------	------------	--

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-1 (60')
4C28013-14 (Soil)

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							

Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00101	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 07:02	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 07:02	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 07:02	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 07:02	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 07:02	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		132 %	80-120		P4D0114	04/01/24 10:40	04/02/24 07:02	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene		80.6 %	80-120		P4D0114	04/01/24 10:40	04/02/24 07:02	EPA 8021B	
Xylenes (total)	ND	0.00101	mg/kg dry	1	[CALC]	04/01/24 10:40	04/02/24 07:02	EPA 8021B	
Total BTEX	ND	0.00101	mg/kg dry	1	[CALC]	04/01/24 10:40	04/02/24 07:02	EPA 8021B	

Organics by GC

Gasoline Range Organics	30.0	25.3	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 06:09	EPA 8015M	
Diesel Range Organics	48.4	25.3	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 06:09	EPA 8015M	
Oil Range Organics	ND	25.3	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 06:09	EPA 8015M	
Surrogate: 1-Chlorooctane		95.1 %	70-130		P4C2903	03/29/24 11:43	03/30/24 06:09	EPA 8015M	
Surrogate: o-Terphenyl		85.5 %	70-130		P4C2903	03/29/24 11:43	03/30/24 06:09	EPA 8015M	

General Chemistry Parameters by EPA/ Standard Methods

Chloride	63.4	1.01	mg/kg dry	1	P4D0113	04/01/24 12:14	04/01/24 16:51	EPA 300.0	
% Moisture	1.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-1 (65')
4C28013-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Gasoline Range Organics	32.2	25.8	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 06:32	EPA 8015M	
Diesel Range Organics	32.9	25.8	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 06:32	EPA 8015M	
Oil Range Organics	ND	25.8	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 06:32	EPA 8015M	
Surrogate: 1-Chlorooctane	96.7 %		70-130		P4C2903	03/29/24 11:43	03/30/24 06:32	EPA 8015M	
Surrogate: o-Terphenyl	88.7 %		70-130		P4C2903	03/29/24 11:43	03/30/24 06:32	EPA 8015M	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	3.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	
-------------------	------------	-----	---	---	---------	----------------	----------------	------------	--

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Mitchell Clemens

SB-1 (70')
4C28013-16 (Soil)

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 07:25	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 07:25	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 07:25	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 07:25	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 07:25	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		131 %	80-120		P4D0114	04/01/24 10:40	04/02/24 07:25	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene		80.8 %	80-120		P4D0114	04/01/24 10:40	04/02/24 07:25	EPA 8021B	
Xylenes (total)	ND	0.00101	mg/kg dry	1	[CALC]	04/01/24 10:40	04/02/24 07:25	EPA 8021B	
Total BTEX	ND	0.00101	mg/kg dry	1	[CALC]	04/01/24 10:40	04/02/24 07:25	EPA 8021B	
Organics by GC									
Gasoline Range Organics	27.4	25.3	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 06:54	EPA 8015M	
Diesel Range Organics	ND	25.3	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 06:54	EPA 8015M	
Oil Range Organics	ND	25.3	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 06:54	EPA 8015M	
Surrogate: 1-Chlorooctane		98.4 %	70-130		P4C2903	03/29/24 11:43	03/30/24 06:54	EPA 8015M	
Surrogate: o-Terphenyl		90.3 %	70-130		P4C2903	03/29/24 11:43	03/30/24 06:54	EPA 8015M	
General Chemistry Parameters by EPA/ Standard Methods									
Chloride	3.83	1.01	mg/kg dry	1	P4D0113	04/01/24 12:14	04/01/24 17:10	EPA 300.0	
% Moisture	1.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-2A (2')
4C28013-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Gasoline Range Organics	31.1	26.3	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 07:16	EPA 8015M	
Diesel Range Organics	ND	26.3	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 07:16	EPA 8015M	
Oil Range Organics	ND	26.3	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 07:16	EPA 8015M	
Surrogate: 1-Chlorooctane	82.9 %	70-130			P4C2903	03/29/24 11:43	03/30/24 07:16	EPA 8015M	
Surrogate: o-Terphenyl	77.2 %	70-130			P4C2903	03/29/24 11:43	03/30/24 07:16	EPA 8015M	

General Chemistry Parameters by EPA/ Standard Methods

% Moisture	5.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	
-------------------	------------	-----	---	---	---------	----------------	----------------	------------	--

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-2A (4')
4C28013-18 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Gasoline Range Organics	33.3	26.6	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 07:38	EPA 8015M	
Diesel Range Organics	ND	26.6	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 07:38	EPA 8015M	
Oil Range Organics	ND	26.6	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 07:38	EPA 8015M	
Surrogate: 1-Chlorooctane	96.1 %		70-130		P4C2903	03/29/24 11:43	03/30/24 07:38	EPA 8015M	
Surrogate: o-Terphenyl	89.7 %		70-130		P4C2903	03/29/24 11:43	03/30/24 07:38	EPA 8015M	

General Chemistry Parameters by EPA/ Standard Methods

% Moisture	6.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	
-------------------	------------	-----	---	---	---------	----------------	----------------	------------	--

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-2A (6')
4C28013-19 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Gasoline Range Organics	32.9	27.8	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 08:01	EPA 8015M	
Diesel Range Organics	ND	27.8	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 08:01	EPA 8015M	
Oil Range Organics	ND	27.8	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 08:01	EPA 8015M	
Surrogate: 1-Chlorooctane	93.0 %	70-130			P4C2903	03/29/24 11:43	03/30/24 08:01	EPA 8015M	
Surrogate: o-Terphenyl	87.6 %	70-130			P4C2903	03/29/24 11:43	03/30/24 08:01	EPA 8015M	

General Chemistry Parameters by EPA/ Standard Methods

% Moisture	10.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	
-------------------	-------------	-----	---	---	---------	----------------	----------------	------------	--

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-2A (8')
4C28013-20 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Gasoline Range Organics	37.9	27.8	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 08:23	EPA 8015M	
Diesel Range Organics	ND	27.8	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 08:23	EPA 8015M	
Oil Range Organics	ND	27.8	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 08:23	EPA 8015M	
Surrogate: 1-Chlorooctane	93.8 %		70-130		P4C2903	03/29/24 11:43	03/30/24 08:23	EPA 8015M	
Surrogate: o-Terphenyl	87.9 %		70-130		P4C2903	03/29/24 11:43	03/30/24 08:23	EPA 8015M	

General Chemistry Parameters by EPA/ Standard Methods

% Moisture	10.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	
-------------------	-------------	-----	---	---	---------	----------------	----------------	------------	--

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-2A (10')
4C28013-21 (Soil)

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							

Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 07:48	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 07:48	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 07:48	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 07:48	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 07:48	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		123 %	80-120		P4D0114	04/01/24 10:40	04/02/24 07:48	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene		82.3 %	80-120		P4D0114	04/01/24 10:40	04/02/24 07:48	EPA 8021B	
Xylenes (total)	ND	0.00111	mg/kg dry	1	[CALC]	04/01/24 10:40	04/02/24 07:48	EPA 8021B	
Total BTEX	ND	0.00111	mg/kg dry	1	[CALC]	04/01/24 10:40	04/02/24 07:48	EPA 8021B	

Organics by GC

Gasoline Range Organics	35.3	27.8	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 09:30	EPA 8015M	
Diesel Range Organics	834	27.8	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 09:30	EPA 8015M	
Oil Range Organics	357	27.8	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 09:30	EPA 8015M	
Surrogate: 1-Chlorooctane		94.6 %	70-130		P4C2903	03/29/24 11:43	03/30/24 09:30	EPA 8015M	
Surrogate: o-Terphenyl		89.8 %	70-130		P4C2903	03/29/24 11:43	03/30/24 09:30	EPA 8015M	

General Chemistry Parameters by EPA / Standard Methods

Chloride	67.7	1.11	mg/kg dry	1	P4D0113	04/01/24 12:14	04/01/24 17:30	EPA 300.0	
% Moisture	10.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-2A (12')
4C28013-22 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Gasoline Range Organics	50.3	26.9	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 09:52	EPA 8015M	
Diesel Range Organics	37.5	26.9	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 09:52	EPA 8015M	
Oil Range Organics	ND	26.9	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 09:52	EPA 8015M	
Surrogate: 1-Chlorooctane	89.1 %		70-130		P4C2903	03/29/24 11:43	03/30/24 09:52	EPA 8015M	
Surrogate: o-Terphenyl	80.0 %		70-130		P4C2903	03/29/24 11:43	03/30/24 09:52	EPA 8015M	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	7.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	
-------------------	------------	-----	---	---	---------	----------------	----------------	------------	--

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-2A (14')SB-2A (14')
4C28013-23 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Gasoline Range Organics	30.8	26.3	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 10:14	EPA 8015M	
Diesel Range Organics	51.7	26.3	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 10:14	EPA 8015M	
Oil Range Organics	ND	26.3	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 10:14	EPA 8015M	
<i>Surrogate: 1-Chlorooctane</i>	<i>99.4 %</i>	<i>70-130</i>			<i>P4C2903</i>	<i>03/29/24 11:43</i>	<i>03/30/24 10:14</i>	<i>EPA 8015M</i>	
<i>Surrogate: o-Terphenyl</i>	<i>92.8 %</i>	<i>70-130</i>			<i>P4C2903</i>	<i>03/29/24 11:43</i>	<i>03/30/24 10:14</i>	<i>EPA 8015M</i>	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	5.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	
-------------------	------------	-----	---	---	---------	----------------	----------------	------------	--

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-2A (16')
4C28013-24 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Gasoline Range Organics	31.9	26.0	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 10:36	EPA 8015M	
Diesel Range Organics	32.2	26.0	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 10:36	EPA 8015M	
Oil Range Organics	ND	26.0	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 10:36	EPA 8015M	
Surrogate: 1-Chlorooctane	98.3 %		70-130		P4C2903	03/29/24 11:43	03/30/24 10:36	EPA 8015M	
Surrogate: o-Terphenyl	93.9 %		70-130		P4C2903	03/29/24 11:43	03/30/24 10:36	EPA 8015M	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	4.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	
-------------------	------------	-----	---	---	---------	----------------	----------------	------------	--

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-2A (18')
4C28013-25 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Gasoline Range Organics	36.6	25.8	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 10:59	EPA 8015M	
Diesel Range Organics	57.6	25.8	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 10:59	EPA 8015M	
Oil Range Organics	ND	25.8	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 10:59	EPA 8015M	
Surrogate: 1-Chlorooctane	97.5 %		70-130		P4C2903	03/29/24 11:43	03/30/24 10:59	EPA 8015M	
Surrogate: o-Terphenyl	93.3 %		70-130		P4C2903	03/29/24 11:43	03/30/24 10:59	EPA 8015M	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	3.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	
-------------------	------------	-----	---	---	---------	----------------	----------------	------------	--

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-2A)20'
4C28013-26 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Gasoline Range Organics	35.0	25.8	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 11:21	EPA 8015M	
Diesel Range Organics	ND	25.8	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 11:21	EPA 8015M	
Oil Range Organics	ND	25.8	mg/kg dry	1	P4C2903	03/29/24 11:43	03/30/24 11:21	EPA 8015M	
Surrogate: 1-Chlorooctane	97.5 %		70-130		P4C2903	03/29/24 11:43	03/30/24 11:21	EPA 8015M	
Surrogate: o-Terphenyl	92.4 %		70-130		P4C2903	03/29/24 11:43	03/30/24 11:21	EPA 8015M	

General Chemistry Parameters by EPA/ Standard Methods

Chloride	88.3	1.03	mg/kg dry	1	P4D0113	04/01/24 12:14	04/01/24 17:49	EPA 300.0	
% Moisture	3.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-3A (2')
4C28013-27 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Gasoline Range Organics	31.4	25.8	mg/kg dry	1	P4C2903	03/30/24 11:43	03/30/24 11:43	EPA 8015M	
Diesel Range Organics	39.4	25.8	mg/kg dry	1	P4C2903	03/30/24 11:43	03/30/24 11:43	EPA 8015M	
Oil Range Organics	ND	25.8	mg/kg dry	1	P4C2903	03/30/24 11:43	03/30/24 11:43	EPA 8015M	
<i>Surrogate: 1-Chlorooctane</i>	<i>94.2 %</i>	<i>70-130</i>			<i>P4C2903</i>	<i>03/30/24 11:43</i>	<i>03/30/24 11:43</i>	<i>EPA 8015M</i>	
<i>Surrogate: o-Terphenyl</i>	<i>88.6 %</i>	<i>70-130</i>			<i>P4C2903</i>	<i>03/30/24 11:43</i>	<i>03/30/24 11:43</i>	<i>EPA 8015M</i>	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	3.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	
-------------------	------------	-----	---	---	---------	----------------	----------------	------------	--

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-3A (4')
4C28013-28 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Gasoline Range Organics	37.2	26.6	mg/kg dry	1	P4C2903	03/30/24 11:43	03/30/24 12:05	EPA 8015M	
Diesel Range Organics	136	26.6	mg/kg dry	1	P4C2903	03/30/24 11:43	03/30/24 12:05	EPA 8015M	
Oil Range Organics	62.1	26.6	mg/kg dry	1	P4C2903	03/30/24 11:43	03/30/24 12:05	EPA 8015M	
<i>Surrogate: 1-Chlorooctane</i>	<i>96.7 %</i>		<i>70-130</i>		<i>P4C2903</i>	<i>03/30/24 11:43</i>	<i>03/30/24 12:05</i>	<i>EPA 8015M</i>	
<i>Surrogate: o-Terphenyl</i>	<i>91.4 %</i>		<i>70-130</i>		<i>P4C2903</i>	<i>03/30/24 11:43</i>	<i>03/30/24 12:05</i>	<i>EPA 8015M</i>	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	6.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	
-------------------	------------	-----	---	---	---------	----------------	----------------	------------	--

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-3A (6')
4C28013-29 (Soil)

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							

Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00108	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 08:11	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 08:11	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 08:11	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 08:11	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 08:11	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		83.5 %	80-120		P4D0114	04/01/24 10:40	04/02/24 08:11	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		121 %	80-120		P4D0114	04/01/24 10:40	04/02/24 08:11	EPA 8021B	S-GC
Xylenes (total)	ND	0.00108	mg/kg dry	1	[CALC]	04/01/24 10:40	04/02/24 08:11	EPA 8021B	
Total BTEX	ND	0.00108	mg/kg dry	1	[CALC]	04/01/24 10:40	04/02/24 08:11	EPA 8021B	

Organics by GC

Gasoline Range Organics	32.7	26.9	mg/kg dry	1	P4C2903	03/30/24 11:43	03/30/24 12:28	EPA 8015M	
Diesel Range Organics	ND	26.9	mg/kg dry	1	P4C2903	03/30/24 11:43	03/30/24 12:28	EPA 8015M	
Oil Range Organics	ND	26.9	mg/kg dry	1	P4C2903	03/30/24 11:43	03/30/24 12:28	EPA 8015M	
Surrogate: 1-Chlorooctane		99.5 %	70-130		P4C2903	03/30/24 11:43	03/30/24 12:28	EPA 8015M	
Surrogate: o-Terphenyl		93.8 %	70-130		P4C2903	03/30/24 11:43	03/30/24 12:28	EPA 8015M	

General Chemistry Parameters by EPA/ Standard Methods

Chloride	35.8	1.08	mg/kg dry	1	P4D0113	04/01/24 12:14	04/01/24 18:47	EPA 300.0	
% Moisture	7.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-3A (8')
4C28013-30 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Gasoline Range Organics	33.1	27.5	mg/kg dry	1	P4C2903	03/30/24 11:43	03/30/24 12:50	EPA 8015M	
Diesel Range Organics	34.1	27.5	mg/kg dry	1	P4C2903	03/30/24 11:43	03/30/24 12:50	EPA 8015M	
Oil Range Organics	ND	27.5	mg/kg dry	1	P4C2903	03/30/24 11:43	03/30/24 12:50	EPA 8015M	
Surrogate: 1-Chlorooctane	94.4 %		70-130		P4C2903	03/30/24 11:43	03/30/24 12:50	EPA 8015M	
Surrogate: o-Terphenyl	89.6 %		70-130		P4C2903	03/30/24 11:43	03/30/24 12:50	EPA 8015M	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	9.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	
-------------------	------------	-----	---	---	---------	----------------	----------------	------------	--

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-3A (10')
4C28013-31 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Gasoline Range Organics	29.6	26.6	mg/kg dry	1	P4C2904	03/29/24 12:18	03/29/24 19:27	EPA 8015M	
Diesel Range Organics	ND	26.6	mg/kg dry	1	P4C2904	03/29/24 12:18	03/29/24 19:27	EPA 8015M	
Oil Range Organics	ND	26.6	mg/kg dry	1	P4C2904	03/29/24 12:18	03/29/24 19:27	EPA 8015M	
Surrogate: 1-Chlorooctane	99.4 %		70-130		P4C2904	03/29/24 12:18	03/29/24 19:27	EPA 8015M	
Surrogate: o-Terphenyl	89.6 %		70-130		P4C2904	03/29/24 12:18	03/29/24 19:27	EPA 8015M	

General Chemistry Parameters by EPA/ Standard Methods

% Moisture	6.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	
-------------------	------------	-----	---	---	---------	----------------	----------------	------------	--

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-3A (12')
4C28013-32 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Gasoline Range Organics	34.6	26.6	mg/kg dry	1	P4C2904	03/29/24 12:18	03/29/24 19:49	EPA 8015M	
Diesel Range Organics	35.7	26.6	mg/kg dry	1	P4C2904	03/29/24 12:18	03/29/24 19:49	EPA 8015M	
Oil Range Organics	ND	26.6	mg/kg dry	1	P4C2904	03/29/24 12:18	03/29/24 19:49	EPA 8015M	
<i>Surrogate: 1-Chlorooctane</i>	<i>99.6 %</i>	<i>70-130</i>			<i>P4C2904</i>	<i>03/29/24 12:18</i>	<i>03/29/24 19:49</i>	<i>EPA 8015M</i>	
<i>Surrogate: o-Terphenyl</i>	<i>90.7 %</i>	<i>70-130</i>			<i>P4C2904</i>	<i>03/29/24 12:18</i>	<i>03/29/24 19:49</i>	<i>EPA 8015M</i>	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	6.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	
-------------------	------------	-----	---	---	---------	----------------	----------------	------------	--

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-3A (14')
4C28013-33 (Soil)

Permian Basin Environmental Lab, L.P.

Organics by GC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Gasoline Range Organics	308	269	mg/kg dry	10	P4C2904	03/29/24 12:18	03/29/24 20:11	EPA 8015M	
Diesel Range Organics	4900	269	mg/kg dry	10	P4C2904	03/29/24 12:18	03/29/24 20:11	EPA 8015M	
Oil Range Organics	2120	269	mg/kg dry	10	P4C2904	03/29/24 12:18	03/29/24 20:11	EPA 8015M	
<i>Surrogate: 1-Chlorooctane</i>	<i>102 %</i>		<i>70-130</i>		<i>P4C2904</i>	<i>03/29/24 12:18</i>	<i>03/29/24 20:11</i>	<i>EPA 8015M</i>	
<i>Surrogate: o-Terphenyl</i>	<i>90.6 %</i>		<i>70-130</i>		<i>P4C2904</i>	<i>03/29/24 12:18</i>	<i>03/29/24 20:11</i>	<i>EPA 8015M</i>	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	7.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	
-------------------	------------	-----	---	---	---------	----------------	----------------	------------	--

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-3A (16')
4C28013-34 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Gasoline Range Organics	28.9	25.8	mg/kg dry	1	P4C2904	03/29/24 12:18	03/29/24 20:33	EPA 8015M	
Diesel Range Organics	110	25.8	mg/kg dry	1	P4C2904	03/29/24 12:18	03/29/24 20:33	EPA 8015M	
Oil Range Organics	57.8	25.8	mg/kg dry	1	P4C2904	03/29/24 12:18	03/29/24 20:33	EPA 8015M	
<i>Surrogate: 1-Chlorooctane</i>		105 %	70-130		P4C2904	03/29/24 12:18	03/29/24 20:33	EPA 8015M	
<i>Surrogate: o-Terphenyl</i>		95.5 %	70-130		P4C2904	03/29/24 12:18	03/29/24 20:33	EPA 8015M	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	3.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	
-------------------	------------	-----	---	---	---------	----------------	----------------	------------	--

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-3A (18')
4C28013-35 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Gasoline Range Organics	31.1	25.8	mg/kg dry	1	P4C2904	03/29/24 12:18	03/29/24 20:55	EPA 8015M	
Diesel Range Organics	ND	25.8	mg/kg dry	1	P4C2904	03/29/24 12:18	03/29/24 20:55	EPA 8015M	
Oil Range Organics	ND	25.8	mg/kg dry	1	P4C2904	03/29/24 12:18	03/29/24 20:55	EPA 8015M	
Surrogate: 1-Chlorooctane	96.2 %		70-130		P4C2904	03/29/24 12:18	03/29/24 20:55	EPA 8015M	
Surrogate: o-Terphenyl	87.7 %		70-130		P4C2904	03/29/24 12:18	03/29/24 20:55	EPA 8015M	

General Chemistry Parameters by EPA/ Standard Methods

% Moisture	3.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	
-------------------	------------	-----	---	---	---------	----------------	----------------	------------	--

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-3A (20')
4C28013-36 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00103	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 08:33	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 08:33	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 08:33	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 08:33	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 08:33	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		80.1 %	80-120		P4D0114	04/01/24 10:40	04/02/24 08:33	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		128 %	80-120		P4D0114	04/01/24 10:40	04/02/24 08:33	EPA 8021B	S-GC
Xylenes (total)	ND	0.00103	mg/kg dry	1	[CALC]	04/01/24 10:40	04/02/24 08:33	EPA 8021B	
Total BTEX	ND	0.00103	mg/kg dry	1	[CALC]	04/01/24 10:40	04/02/24 08:33	EPA 8021B	

Organics by GC

Gasoline Range Organics	38.4	25.8	mg/kg dry	1	P4C2904	03/29/24 12:18	03/29/24 21:18	EPA 8015M	
Diesel Range Organics	41.8	25.8	mg/kg dry	1	P4C2904	03/29/24 12:18	03/29/24 21:18	EPA 8015M	
Oil Range Organics	ND	25.8	mg/kg dry	1	P4C2904	03/29/24 12:18	03/29/24 21:18	EPA 8015M	
Surrogate: 1-Chlorooctane		106 %	70-130		P4C2904	03/29/24 12:18	03/29/24 21:18	EPA 8015M	
Surrogate: o-Terphenyl		97.5 %	70-130		P4C2904	03/29/24 12:18	03/29/24 21:18	EPA 8015M	

General Chemistry Parameters by EPA/ Standard Methods

Chloride	96.6	1.03	mg/kg dry	1	P4D0113	04/01/24 12:14	04/01/24 19:45	EPA 300.0	
% Moisture	3.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-5A (2')
4C28013-37 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Gasoline Range Organics	35.5	26.0	mg/kg dry	1	P4C2904	03/29/24 12:18	03/29/24 21:40	EPA 8015M	
Diesel Range Organics	ND	26.0	mg/kg dry	1	P4C2904	03/29/24 12:18	03/29/24 21:40	EPA 8015M	
Oil Range Organics	ND	26.0	mg/kg dry	1	P4C2904	03/29/24 12:18	03/29/24 21:40	EPA 8015M	
Surrogate: 1-Chlorooctane	95.5 %		70-130		P4C2904	03/29/24 12:18	03/29/24 21:40	EPA 8015M	
Surrogate: o-Terphenyl	87.6 %		70-130		P4C2904	03/29/24 12:18	03/29/24 21:40	EPA 8015M	

General Chemistry Parameters by EPA/ Standard Methods

% Moisture	4.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	
-------------------	------------	-----	---	---	---------	----------------	----------------	------------	--

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-5A (4')
4C28013-38 (Soil)

Permian Basin Environmental Lab, L.P.

Organics by GC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Gasoline Range Organics	37.0	26.0	mg/kg dry	1	P4C2904	03/29/24 12:18	03/29/24 22:02	EPA 8015M	
Diesel Range Organics	ND	26.0	mg/kg dry	1	P4C2904	03/29/24 12:18	03/29/24 22:02	EPA 8015M	
Oil Range Organics	ND	26.0	mg/kg dry	1	P4C2904	03/29/24 12:18	03/29/24 22:02	EPA 8015M	
Surrogate: 1-Chlorooctane	71.6 %		70-130		P4C2904	03/29/24 12:18	03/29/24 22:02	EPA 8015M	
Surrogate: o-Terphenyl	66.7 %		70-130		P4C2904	03/29/24 12:18	03/29/24 22:02	EPA 8015M	S-GC

General Chemistry Parameters by EPA/ Standard Methods

% Moisture	4.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	
-------------------	------------	-----	---	---	---------	----------------	----------------	------------	--

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-5A (6')
4C28013-39 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Gasoline Range Organics	48.2	27.8	mg/kg dry	1	P4C2904	03/29/24 12:18	03/29/24 22:24	EPA 8015M	
Diesel Range Organics	ND	27.8	mg/kg dry	1	P4C2904	03/29/24 12:18	03/29/24 22:24	EPA 8015M	
Oil Range Organics	ND	27.8	mg/kg dry	1	P4C2904	03/29/24 12:18	03/29/24 22:24	EPA 8015M	
Surrogate: 1-Chlorooctane	98.4 %		70-130		P4C2904	03/29/24 12:18	03/29/24 22:24	EPA 8015M	
Surrogate: o-Terphenyl	92.0 %		70-130		P4C2904	03/29/24 12:18	03/29/24 22:24	EPA 8015M	

General Chemistry Parameters by EPA/ Standard Methods

% Moisture	10.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	
-------------------	-------------	-----	---	---	---------	----------------	----------------	------------	--

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-5A (8')
4C28013-40 (Soil)

Permian Basin Environmental Lab, L.P.

Organics by GC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Gasoline Range Organics	32.8	26.9	mg/kg dry	1	P4C2904	03/29/24 12:18	03/29/24 22:46	EPA 8015M	
Diesel Range Organics	40.0	26.9	mg/kg dry	1	P4C2904	03/29/24 12:18	03/29/24 22:46	EPA 8015M	
Oil Range Organics	ND	26.9	mg/kg dry	1	P4C2904	03/29/24 12:18	03/29/24 22:46	EPA 8015M	
Surrogate: 1-Chlorooctane	91.3 %		70-130		P4C2904	03/29/24 12:18	03/29/24 22:46	EPA 8015M	
Surrogate: o-Terphenyl	87.5 %		70-130		P4C2904	03/29/24 12:18	03/29/24 22:46	EPA 8015M	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	7.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	
-------------------	------------	-----	---	---	---------	----------------	----------------	------------	--

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-5A (10')
4C28013-41 (Soil)

Permian Basin Environmental Lab, L.P.

Organics by GC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Gasoline Range Organics	36.2	27.5	mg/kg dry	1	P4C2904	03/29/24 12:18	03/29/24 23:52	EPA 8015M	
Diesel Range Organics	ND	27.5	mg/kg dry	1	P4C2904	03/29/24 12:18	03/29/24 23:52	EPA 8015M	
Oil Range Organics	ND	27.5	mg/kg dry	1	P4C2904	03/29/24 12:18	03/29/24 23:52	EPA 8015M	
Surrogate: 1-Chlorooctane	95.1 %		70-130		P4C2904	03/29/24 12:18	03/29/24 23:52	EPA 8015M	
Surrogate: o-Terphenyl	87.5 %		70-130		P4C2904	03/29/24 12:18	03/29/24 23:52	EPA 8015M	

General Chemistry Parameters by EPA/ Standard Methods

% Moisture	9.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	
-------------------	------------	-----	---	---	---------	----------------	----------------	------------	--

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-5A (12')
4C28013-42 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							
BTEX by 8021B									
Benzene	ND	0.00110	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 08:56	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 08:56	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 08:56	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 08:56	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P4D0114	04/01/24 10:40	04/02/24 08:56	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		80.6 %	80-120		P4D0114	04/01/24 10:40	04/02/24 08:56	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		136 %	80-120		P4D0114	04/01/24 10:40	04/02/24 08:56	EPA 8021B	S-GC
Xylenes (total)	ND	0.00110	mg/kg dry	1	[CALC]	04/01/24 10:40	04/02/24 08:56	EPA 8021B	
Total BTEX	ND	0.00110	mg/kg dry	1	[CALC]	04/01/24 10:40	04/02/24 08:56	EPA 8021B	
Organics by GC									
Gasoline Range Organics	33.8	27.5	mg/kg dry	1	P4C2904	03/29/24 12:18	03/30/24 00:14	EPA 8015M	
Diesel Range Organics	ND	27.5	mg/kg dry	1	P4C2904	03/29/24 12:18	03/30/24 00:14	EPA 8015M	
Oil Range Organics	ND	27.5	mg/kg dry	1	P4C2904	03/29/24 12:18	03/30/24 00:14	EPA 8015M	
Surrogate: 1-Chlorooctane		86.2 %	70-130		P4C2904	03/29/24 12:18	03/30/24 00:14	EPA 8015M	
Surrogate: o-Terphenyl		81.1 %	70-130		P4C2904	03/29/24 12:18	03/30/24 00:14	EPA 8015M	
General Chemistry Parameters by EPA/ Standard Methods									
Chloride	122	1.10	mg/kg dry	1	P4D0113	04/01/24 12:14	04/01/24 20:04	EPA 300.0	
% Moisture	9.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-5A (14')
4C28013-43 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Gasoline Range Organics	31.4	27.2	mg/kg dry	1	P4C2904	03/29/24 12:18	03/30/24 00:36	EPA 8015M	
Diesel Range Organics	ND	27.2	mg/kg dry	1	P4C2904	03/29/24 12:18	03/30/24 00:36	EPA 8015M	
Oil Range Organics	ND	27.2	mg/kg dry	1	P4C2904	03/29/24 12:18	03/30/24 00:36	EPA 8015M	
Surrogate: 1-Chlorooctane	94.7 %		70-130		P4C2904	03/29/24 12:18	03/30/24 00:36	EPA 8015M	
Surrogate: o-Terphenyl	89.3 %		70-130		P4C2904	03/29/24 12:18	03/30/24 00:36	EPA 8015M	

General Chemistry Parameters by EPA/ Standard Methods

% Moisture	8.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	
-------------------	------------	-----	---	---	---------	----------------	----------------	------------	--

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-5A (16')
4C28013-44 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Gasoline Range Organics	38.1	26.3	mg/kg dry	1	P4C2904	03/29/24 12:18	03/30/24 00:58	EPA 8015M	
Diesel Range Organics	29.5	26.3	mg/kg dry	1	P4C2904	03/29/24 12:18	03/30/24 00:58	EPA 8015M	
Oil Range Organics	ND	26.3	mg/kg dry	1	P4C2904	03/29/24 12:18	03/30/24 00:58	EPA 8015M	
Surrogate: 1-Chlorooctane	90.6 %		70-130		P4C2904	03/29/24 12:18	03/30/24 00:58	EPA 8015M	
Surrogate: o-Terphenyl	84.8 %		70-130		P4C2904	03/29/24 12:18	03/30/24 00:58	EPA 8015M	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	5.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	
-------------------	------------	-----	---	---	---------	----------------	----------------	------------	--

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-5A (18')
4C28013-45 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Gasoline Range Organics	28.7	26.3	mg/kg dry	1	P4C2904	03/29/24 12:18	03/30/24 01:20	EPA 8015M	
Diesel Range Organics	389	26.3	mg/kg dry	1	P4C2904	03/29/24 12:18	03/30/24 01:20	EPA 8015M	
Oil Range Organics	190	26.3	mg/kg dry	1	P4C2904	03/29/24 12:18	03/30/24 01:20	EPA 8015M	
<i>Surrogate: 1-Chlorooctane</i>		92.3 %	70-130		P4C2904	03/29/24 12:18	03/30/24 01:20	EPA 8015M	
<i>Surrogate: o-Terphenyl</i>		87.6 %	70-130		P4C2904	03/29/24 12:18	03/30/24 01:20	EPA 8015M	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	5.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	
-------------------	------------	-----	---	---	---------	----------------	----------------	------------	--

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

SB-5A (20')
4C28013-46 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00103	mg/kg dry	1	P4D0216	04/02/24 11:25	04/02/24 15:39	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P4D0216	04/02/24 11:25	04/02/24 15:39	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P4D0216	04/02/24 11:25	04/02/24 15:39	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P4D0216	04/02/24 11:25	04/02/24 15:39	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P4D0216	04/02/24 11:25	04/02/24 15:39	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		139 %	80-120		P4D0216	04/02/24 11:25	04/02/24 15:39	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene		81.1 %	80-120		P4D0216	04/02/24 11:25	04/02/24 15:39	EPA 8021B	
Xylenes (total)	ND	0.00103	mg/kg dry	1	[CALC]	04/02/24 11:25	04/02/24 15:39	EPA 8021B	
Total BTEX	ND	0.00103	mg/kg dry	1	[CALC]	04/02/24 11:25	04/02/24 15:39	EPA 8021B	

Organics by GC

Gasoline Range Organics	30.0	25.8	mg/kg dry	1	P4C2904	03/29/24 12:18	03/30/24 01:43	EPA 8015M	
Diesel Range Organics	ND	25.8	mg/kg dry	1	P4C2904	03/29/24 12:18	03/30/24 01:43	EPA 8015M	
Oil Range Organics	ND	25.8	mg/kg dry	1	P4C2904	03/29/24 12:18	03/30/24 01:43	EPA 8015M	
Surrogate: 1-Chlorooctane		102 %	70-130		P4C2904	03/29/24 12:18	03/30/24 01:43	EPA 8015M	
Surrogate: o-Terphenyl		94.6 %	70-130		P4C2904	03/29/24 12:18	03/30/24 01:43	EPA 8015M	

General Chemistry Parameters by EPA/ Standard Methods

Chloride	82.0	1.03	mg/kg dry	1	P4D0113	04/01/24 12:14	04/01/24 20:24	EPA 300.0	
% Moisture	3.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Mitchell Clemens

SB-4A (6')
4C28013-47 (Soil)

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00112	mg/kg dry	1	P4D0216	04/02/24 11:25	04/02/24 16:01	EPA 8021B	
Toluene	ND	0.00112	mg/kg dry	1	P4D0216	04/02/24 11:25	04/02/24 16:01	EPA 8021B	
Ethylbenzene	ND	0.00112	mg/kg dry	1	P4D0216	04/02/24 11:25	04/02/24 16:01	EPA 8021B	
Xylene (p/m)	ND	0.00225	mg/kg dry	1	P4D0216	04/02/24 11:25	04/02/24 16:01	EPA 8021B	
Xylene (o)	ND	0.00112	mg/kg dry	1	P4D0216	04/02/24 11:25	04/02/24 16:01	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		80.3 %	80-120		P4D0216	04/02/24 11:25	04/02/24 16:01	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		130 %	80-120		P4D0216	04/02/24 11:25	04/02/24 16:01	EPA 8021B	S-GC
Xylenes (total)	ND	0.00112	mg/kg dry	1	[CALC]	04/02/24 11:25	04/02/24 16:01	EPA 8021B	
Total BTEX	ND	0.00112	mg/kg dry	1	[CALC]	04/02/24 11:25	04/02/24 16:01	EPA 8021B	
Organics by GC									
Gasoline Range Organics	36.3	28.1	mg/kg dry	1	P4C2904	03/29/24 12:18	03/30/24 02:05	EPA 8015M	
Diesel Range Organics	ND	28.1	mg/kg dry	1	P4C2904	03/29/24 12:18	03/30/24 02:05	EPA 8015M	
Oil Range Organics	ND	28.1	mg/kg dry	1	P4C2904	03/29/24 12:18	03/30/24 02:05	EPA 8015M	
Surrogate: 1-Chlorooctane		78.8 %	70-130		P4C2904	03/29/24 12:18	03/30/24 02:05	EPA 8015M	
Surrogate: o-Terphenyl		74.1 %	70-130		P4C2904	03/29/24 12:18	03/30/24 02:05	EPA 8015M	
General Chemistry Parameters by EPA/ Standard Methods									
Chloride	30.5	1.12	mg/kg dry	1	P4D0113	04/01/24 12:14	04/01/24 20:43	EPA 300.0	
% Moisture	11.0	0.1	%	1	P4D0115	04/01/24 10:49	04/01/24 11:19	ASTM D2216	

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Page 50 of 70

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Mitchell Clemens

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch P4D0114 - * DEFAULT PREP *****

Blank (P4D0114-BLK1) Prepared: 04/01/24 Analyzed: 04/02/24										
Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.0961		"	0.120		80.1	80-120			
Surrogate: 4-Bromofluorobenzene	0.162		"	0.120		135	80-120			S-GC

LCS (P4D0114-BS1) Prepared & Analyzed: 04/01/24										
Benzene	0.0852	0.00100	mg/kg	0.100		85.2	80-120			
Toluene	0.0807	0.00100	"	0.100		80.7	80-120			
Ethylbenzene	0.0927	0.00100	"	0.100		92.7	80-120			
Xylene (p/m)	0.209	0.00200	"	0.200		105	80-120			
Xylene (o)	0.0891	0.00100	"	0.100		89.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.101		"	0.120		84.1	80-120			
Surrogate: 4-Bromofluorobenzene	0.131		"	0.120		109	80-120			

LCS Dup (P4D0114-BSD1) Prepared: 04/01/24 Analyzed: 04/02/24										
Benzene	0.0938	0.00100	mg/kg	0.100		93.8	80-120	9.68	20	
Toluene	0.0916	0.00100	"	0.100		91.6	80-120	12.6	20	
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120	13.8	20	
Xylene (p/m)	0.238	0.00200	"	0.200		119	80-120	12.9	20	
Xylene (o)	0.103	0.00100	"	0.100		103	80-120	14.2	20	
Surrogate: 1,4-Difluorobenzene	0.100		"	0.120		83.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.136		"	0.120		114	80-120			

Calibration Blank (P4D0114-CCB1) Prepared & Analyzed: 04/01/24										
Benzene	0.360		ug/kg							
Toluene	0.420		"							
Ethylbenzene	0.210		"							
Xylene (p/m)	0.170		"							
Xylene (o)	0.160		"							
Surrogate: 4-Bromofluorobenzene	0.148		"	0.120		123	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.0970		"	0.120		80.9	80-120			

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch P4D0114 - * DEFAULT PREP *****

Calibration Blank (P4D0114-CCB2)		Prepared: 04/01/24 Analyzed: 04/02/24								
Benzene	0.340		ug/kg							
Toluene	0.270		"							
Ethylbenzene	0.300		"							
Xylene (p/m)	0.580		"							
Xylene (o)	0.350		"							
Surrogate: 1,4-Difluorobenzene	0.0971		"	0.120		80.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.147		"	0.120		123	80-120			S-GC

Calibration Check (P4D0114-CCV1)		Prepared & Analyzed: 04/01/24								
Benzene	0.0994	0.00100	mg/kg	0.100		99.4	80-120			
Toluene	0.0949	0.00100	"	0.100		94.9	80-120			
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120			
Xylene (p/m)	0.240	0.00200	"	0.200		120	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 4-Bromofluorobenzene	0.133		"	0.120		110	75-125			
Surrogate: 1,4-Difluorobenzene	0.101		"	0.120		84.1	75-125			

Calibration Check (P4D0114-CCV2)		Prepared: 04/01/24 Analyzed: 04/02/24								
Benzene	0.0845	0.00100	mg/kg	0.100		84.5	80-120			
Toluene	0.0832	0.00100	"	0.100		83.2	80-120			
Ethylbenzene	0.0910	0.00100	"	0.100		91.0	80-120			
Xylene (p/m)	0.218	0.00200	"	0.200		109	80-120			
Xylene (o)	0.0937	0.00100	"	0.100		93.7	80-120			
Surrogate: 4-Bromofluorobenzene	0.135		"	0.120		113	75-125			
Surrogate: 1,4-Difluorobenzene	0.100		"	0.120		83.6	75-125			

Calibration Check (P4D0114-CCV3)		Prepared: 04/01/24 Analyzed: 04/02/24								
Benzene	0.0876	0.00100	mg/kg	0.100		87.6	80-120			
Toluene	0.0902	0.00100	"	0.100		90.2	80-120			
Ethylbenzene	0.100	0.00100	"	0.100		100	80-120			
Xylene (p/m)	0.235	0.00200	"	0.200		117	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.134		"	0.120		111	75-125			
Surrogate: 1,4-Difluorobenzene	0.0962		"	0.120		80.1	75-125			

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Mitchell Clemens

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch P4D0114 - * DEFAULT PREP *****

Matrix Spike (P4D0114-MS1)		Source: 4D01005-21		Prepared: 04/01/24		Analyzed: 04/02/24				
Benzene	0.0481	0.00120	mg/kg dry	0.120	ND	39.9	80-120			QM-05
Toluene	0.0582	0.00120	"	0.120	ND	48.3	80-120			QM-05
Ethylbenzene	0.0710	0.00120	"	0.120	ND	59.0	80-120			QM-05
Xylene (p/m)	0.171	0.00241	"	0.241	ND	71.0	80-120			QM-05
Xylene (o)	0.0753	0.00120	"	0.120	ND	62.5	80-120			QM-05
Surrogate: 1,4-Difluorobenzene	0.117		"	0.145		80.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.188		"	0.145		130	80-120			S-GC

Matrix Spike Dup (P4D0114-MSD1)		Source: 4D01005-21		Prepared: 04/01/24		Analyzed: 04/02/24				
Benzene	0.0683	0.00120	mg/kg dry	0.120	ND	56.7	80-120	34.8	20	QM-05
Toluene	0.0780	0.00120	"	0.120	ND	64.8	80-120	29.1	20	QM-05
Ethylbenzene	0.0954	0.00120	"	0.120	ND	79.2	80-120	29.3	20	QM-05
Xylene (p/m)	0.228	0.00241	"	0.241	ND	94.5	80-120	28.4	20	QM-05
Xylene (o)	0.0969	0.00120	"	0.120	ND	80.4	80-120	25.1	20	QM-05
Surrogate: 1,4-Difluorobenzene	0.117		"	0.145		80.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.190		"	0.145		131	80-120			S-GC

Batch P4D0216 - * DEFAULT PREP *****

Blank (P4D0216-BLK1)		Prepared & Analyzed: 04/02/24								
Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.161		"	0.120		134	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.0978		"	0.120		81.5	80-120			

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Mitchell Clemens

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch P4D0216 - * DEFAULT PREP *****

LCS (P4D0216-BS1)

Prepared & Analyzed: 04/02/24

Benzene	0.0816	0.00100	mg/kg	0.100		81.6	80-120			
Toluene	0.0884	0.00100	"	0.100		88.4	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.240	0.00200	"	0.200		120	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.128		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.0970		"	0.120		80.8	80-120			

LCS Dup (P4D0216-BSD1)

Prepared & Analyzed: 04/02/24

Benzene	0.0834	0.00100	mg/kg	0.100		83.4	80-120	2.11	20	
Toluene	0.0874	0.00100	"	0.100		87.4	80-120	1.11	20	
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120	1.41	20	
Xylene (p/m)	0.238	0.00200	"	0.200		119	80-120	0.611	20	
Xylene (o)	0.101	0.00100	"	0.100		101	80-120	2.56	20	
Surrogate: 4-Bromofluorobenzene	0.132		"	0.120		110	80-120			
Surrogate: 1,4-Difluorobenzene	0.0973		"	0.120		81.1	80-120			

Calibration Blank (P4D0216-CCB1)

Prepared & Analyzed: 04/02/24

Benzene	0.260		ug/kg							
Toluene	0.410		"							
Ethylbenzene	0.450		"							
Xylene (p/m)	0.290		"							
Xylene (o)	0.390		"							
Surrogate: 1,4-Difluorobenzene	0.0965		"	0.120		80.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.156		"	0.120		130	80-120			S-GC

Calibration Blank (P4D0216-CCB2)

Prepared & Analyzed: 04/02/24

Benzene	0.290		ug/kg							
Toluene	0.380		"							
Ethylbenzene	0.130		"							
Xylene (p/m)	0.210		"							
Xylene (o)	0.160		"							
Surrogate: 4-Bromofluorobenzene	0.150		"	0.120		125	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.0966		"	0.120		80.5	80-120			

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Mitchell Clemens

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch P4D0216 - * DEFAULT PREP *****

Calibration Check (P4D0216-CCV1)

Prepared & Analyzed: 04/02/24

Benzene	0.0825	0.00100	mg/kg	0.100		82.5	80-120			
Toluene	0.0866	0.00100	"	0.100		86.6	80-120			
Ethylbenzene	0.0997	0.00100	"	0.100		99.7	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		120	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.100		"	0.120		83.6	75-125			
Surrogate: 4-Bromofluorobenzene	0.144		"	0.120		120	75-125			

Calibration Check (P4D0216-CCV2)

Prepared & Analyzed: 04/02/24

Benzene	0.0846	0.00100	mg/kg	0.100		84.6	80-120			
Toluene	0.0875	0.00100	"	0.100		87.5	80-120			
Ethylbenzene	0.100	0.00100	"	0.100		100	80-120			
Xylene (p/m)	0.240	0.00200	"	0.200		120	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.0967		"	0.120		80.6	75-125			
Surrogate: 4-Bromofluorobenzene	0.140		"	0.120		116	75-125			

Calibration Check (P4D0216-CCV3)

Prepared: 04/02/24 Analyzed: 04/03/24

Benzene	0.0935	0.00100	mg/kg	0.100		93.5	80-120			
Toluene	0.0859	0.00100	"	0.100		85.9	80-120			
Ethylbenzene	0.0929	0.00100	"	0.100		92.9	80-120			
Xylene (p/m)	0.218	0.00200	"	0.200		109	80-120			
Xylene (o)	0.0946	0.00100	"	0.100		94.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.128		"	0.120		107	75-125			
Surrogate: 1,4-Difluorobenzene	0.105		"	0.120		87.2	75-125			

Matrix Spike (P4D0216-MS1)

Source: 4D02005-01

Prepared & Analyzed: 04/02/24

Benzene	0.0653	0.00109	mg/kg dry	0.109	ND	60.0	80-120			QM-05
Toluene	0.0577	0.00109	"	0.109	ND	53.1	80-120			QM-05
Ethylbenzene	0.0640	0.00109	"	0.109	ND	58.9	80-120			QM-05
Xylene (p/m)	0.146	0.00217	"	0.217	ND	67.0	80-120			QM-05
Xylene (o)	0.0635	0.00109	"	0.109	ND	58.4	80-120			QM-05
Surrogate: 1,4-Difluorobenzene	0.109		"	0.130		83.7	80-120			
Surrogate: 4-Bromofluorobenzene	0.153		"	0.130		117	80-120			

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch P4D0216 - * DEFAULT PREP *****

Matrix Spike Dup (P4D0216-MSD1)	Source: 4D02005-01			Prepared: 04/02/24 Analyzed: 04/03/24						
Benzene	0.0679	0.00109	mg/kg dry	0.109	ND	62.5	80-120	3.93	20	QM-05
Toluene	0.0531	0.00109	"	0.109	ND	48.8	80-120	8.36	20	QM-05
Ethylbenzene	0.0569	0.00109	"	0.109	ND	52.3	80-120	11.8	20	QM-05
Xylene (p/m)	0.120	0.00217	"	0.217	ND	55.1	80-120	19.4	20	QM-05
Xylene (o)	0.0533	0.00109	"	0.109	ND	49.1	80-120	17.3	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.135		"	0.130		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.130		90.4	80-120			

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch P4C2902 - TX 1005

Blank (P4C2902-BLK1)

Prepared: 03/29/24 Analyzed: 03/30/24

Gasoline Range Organics	ND	25.0	mg/kg							
Diesel Range Organics	ND	25.0	"							
Oil Range Organics	ND	25.0	"							
Surrogate: 1-Chlorooctane	87.9		"	100		87.9	70-130			
Surrogate: o-Terphenyl	48.1		"	50.0		96.1	70-130			

LCS (P4C2902-BS1)

Prepared: 03/29/24 Analyzed: 03/30/24

Gasoline Range Organics	836	25.0	mg/kg				75-125			
Diesel Range Organics	853	25.0	"	1000		85.3	75-125			
Surrogate: 1-Chlorooctane	105		"	100		105	70-130			
Surrogate: o-Terphenyl	41.9		"	50.0		83.8	70-130			

LCS Dup (P4C2902-BSD1)

Prepared: 03/29/24 Analyzed: 03/30/24

Gasoline Range Organics	866	25.0	mg/kg				75-125		20	
Diesel Range Organics	879	25.0	"	1000		87.9	75-125	2.92	20	
Surrogate: 1-Chlorooctane	108		"	100		108	70-130			
Surrogate: o-Terphenyl	43.1		"	50.0		86.3	70-130			

Calibration Check (P4C2902-CCV1)

Prepared: 03/29/24 Analyzed: 04/01/24

Gasoline Range Organics	530	25.0	mg/kg	500		106	85-115			
Diesel Range Organics	569	25.0	"	500		114	85-115			
Surrogate: 1-Chlorooctane	93.4		"	100		93.4	85-115			
Surrogate: o-Terphenyl	47.6		"	50.0		95.2	85-115			

Calibration Check (P4C2902-CCV2)

Prepared: 03/29/24 Analyzed: 03/30/24

Gasoline Range Organics	572	25.0	mg/kg	500		114	85-115			
Diesel Range Organics	570	25.0	"	500		114	85-115			
Surrogate: 1-Chlorooctane	96.4		"	100		96.4	85-115			
Surrogate: o-Terphenyl	46.0		"	50.0		92.0	85-115			

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch P4C2902 - TX 1005

Calibration Check (P4C2902-CCV3)

Prepared: 03/29/24 Analyzed: 03/30/24

Gasoline Range Organics	533	25.0	mg/kg	500		107	85-115			
Diesel Range Organics	566	25.0	"	500		113	85-115			
Surrogate: 1-Chlorooctane	99.8		"	100		99.8	85-115			
Surrogate: o-Terphenyl	47.9		"	50.0		95.7	85-115			

Batch P4C2903 - TX 1005

Blank (P4C2903-BLK1)

Prepared: 03/29/24 Analyzed: 03/30/24

Gasoline Range Organics	ND	25.0	mg/kg							
Diesel Range Organics	ND	25.0	"							
Oil Range Organics	ND	25.0	"							
Mineral Oil Range Organics	ND	25.0	"							
Surrogate: 1-Chlorooctane	106		"	100		106	70-130			

LCS (P4C2903-BS1)

Prepared: 03/29/24 Analyzed: 03/30/24

Gasoline Range Organics	866	25.0	mg/kg				75-125			
Diesel Range Organics	801	25.0	"	1000		80.1	75-125			
Surrogate: 1-Chlorooctane	108		"	100		108	70-130			

LCS Dup (P4C2903-BS1)

Prepared: 03/29/24 Analyzed: 03/30/24

Gasoline Range Organics	846	25.0	mg/kg				75-125		20	
Diesel Range Organics	782	25.0	"	1000		78.2	75-125	2.34	20	
Surrogate: 1-Chlorooctane	128		"	100		128	70-130			

Calibration Check (P4C2903-CCV1)

Prepared: 03/29/24 Analyzed: 03/30/24

Gasoline Range Organics	567	25.0	mg/kg	500		113	85-115			
Diesel Range Organics	560	25.0	"	500		112	85-115			
Surrogate: 1-Chlorooctane	119		"	100		119	85-115			

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Mitchell Clemens

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch P4C2903 - TX 1005

Calibration Check (P4C2903-CCV2)

Prepared & Analyzed: 03/30/24

Gasoline Range Organics	563	25.0	mg/kg	500	113	85-115				
Diesel Range Organics	560	25.0	"	500	112	85-115				
Surrogate: 1-Chlorooctane	117		"	100	117	85-115				

Calibration Check (P4C2903-CCV3)

Prepared & Analyzed: 03/30/24

Gasoline Range Organics	565	25.0	mg/kg	500	113	85-115				
Diesel Range Organics	564	25.0	"	500	113	85-115				
Surrogate: 1-Chlorooctane	121		"	100	121	85-115				

Batch P4C2904 - TX 1005

Blank (P4C2904-BLK1)

Prepared & Analyzed: 03/29/24

Gasoline Range Organics	ND	25.0	mg/kg							
Diesel Range Organics	ND	25.0	"							
Oil Range Organics	ND	25.0	"							
Surrogate: 1-Chlorooctane	105		"	100	105	70-130				
Surrogate: o-Terphenyl	48.1		"	50.0	96.1	70-130				

LCS (P4C2904-BS1)

Prepared & Analyzed: 03/29/24

Gasoline Range Organics	870	25.0	mg/kg			75-125				
Diesel Range Organics	786	25.0	"	1000	78.6	75-125				
Surrogate: 1-Chlorooctane	105		"	100	105	70-130				
Surrogate: o-Terphenyl	44.6		"	50.0	89.3	70-130				

LCS Dup (P4C2904-BSD1)

Prepared & Analyzed: 03/29/24

Gasoline Range Organics	877	25.0	mg/kg			75-125			20	
Diesel Range Organics	783	25.0	"	1000	78.3	75-125	0.266		20	
Surrogate: 1-Chlorooctane	106		"	100	106	70-130				
Surrogate: o-Terphenyl	44.5		"	50.0	89.0	70-130				

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch P4C2904 - TX 1005

Calibration Check (P4C2904-CCV1)

Prepared & Analyzed: 03/29/24

Gasoline Range Organics	560	25.0	mg/kg	500		112	85-115			
Diesel Range Organics	551	25.0	"	500		110	85-115			
Surrogate: 1-Chlorooctane	117		"	100		117	85-115			
Surrogate: o-Terphenyl	44.5		"	50.0		88.9	85-115			

Calibration Check (P4C2904-CCV2)

Prepared & Analyzed: 03/29/24

Gasoline Range Organics	551	25.0	mg/kg	500		110	85-115			
Diesel Range Organics	546	25.0	"	500		109	85-115			
Surrogate: 1-Chlorooctane	118		"	100		118	85-115			
Surrogate: o-Terphenyl	45.9		"	50.0		91.9	85-115			

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

**General Chemistry Parameters by EPA / Standard Methods - Quality Control
 Permian Basin Environmental Lab, L.P.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4D0113 - *** DEFAULT PREP ***										
Blank (P4D0113-BLK1) Prepared & Analyzed: 04/01/24										
Chloride	ND	1.00	mg/kg							
LCS (P4D0113-BS1) Prepared & Analyzed: 04/01/24										
Chloride	18.8		mg/kg	20.0		93.8	90-110			
Calibration Check (P4D0113-CCV1) Prepared & Analyzed: 04/01/24										
Chloride	18.9		mg/kg	20.0		94.5	90-110			
Calibration Check (P4D0113-CCV2) Prepared & Analyzed: 04/01/24										
Chloride	19.5		mg/kg	20.0		97.6	90-110			
Matrix Spike (P4D0113-MS1) Source: 4C27013-04 Prepared & Analyzed: 04/01/24										
Chloride	104		mg/kg	100	4.00	100	80-120			
Matrix Spike (P4D0113-MS2) Source: 4C28013-29 Prepared & Analyzed: 04/01/24										
Chloride	109		mg/kg	100	0.667	109	80-120			
Matrix Spike Dup (P4D0113-MSD1) Source: 4C27013-04 Prepared & Analyzed: 04/01/24										
Chloride	105		mg/kg	100	4.00	101	80-120	0.488	20	
Matrix Spike Dup (P4D0113-MSD2) Source: 4C28013-29 Prepared & Analyzed: 04/01/24										
Chloride	105		mg/kg	100	0.667	105	80-120	3.65	20	
Batch P4D0115 - *** DEFAULT PREP ***										
Blank (P4D0115-BLK1) Prepared & Analyzed: 04/01/24										
% Moisture	ND	0.1	%							

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4D0115 - *** DEFAULT PREP ***										
Blank (P4D0115-BLK2)	Prepared & Analyzed: 04/01/24									
% Moisture	ND	0.1	%							
Blank (P4D0115-BLK3)	Prepared & Analyzed: 04/01/24									
% Moisture	ND	0.1	%							
Blank (P4D0115-BLK4)	Prepared & Analyzed: 04/01/24									
% Moisture	ND	0.1	%							
Blank (P4D0115-BLK5)	Prepared & Analyzed: 04/01/24									
% Moisture	ND	0.1	%							
Blank (P4D0115-BLK6)	Prepared & Analyzed: 04/01/24									
% Moisture	ND	0.1	%							
Duplicate (P4D0115-DUP1)	Source: 4C28006-09 Prepared & Analyzed: 04/01/24									
% Moisture	8.0	0.1	%		7.0			13.3	20	
Duplicate (P4D0115-DUP2)	Source: 4C28006-19 Prepared & Analyzed: 04/01/24									
% Moisture	11.0	0.1	%		12.0			8.70	20	
Duplicate (P4D0115-DUP3)	Source: 4C28006-34 Prepared & Analyzed: 04/01/24									
% Moisture	7.0	0.1	%		7.0			0.00	20	
Duplicate (P4D0115-DUP4)	Source: 4C28006-44 Prepared & Analyzed: 04/01/24									
% Moisture	10.0	0.1	%		11.0			9.52	20	
Duplicate (P4D0115-DUP5)	Source: 4C28007-11 Prepared & Analyzed: 04/01/24									
% Moisture	5.0	0.1	%		6.0			18.2	20	

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
 2135 S. Loop 250 West
 Midland TX, 79703

Project: Red Hills Release
 Project Number: 12626654
 Project Manager: Mitchell Clemens

**General Chemistry Parameters by EPA / Standard Methods - Quality Control
 Permian Basin Environmental Lab, L.P.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4D0115 - *** DEFAULT PREP ***										
Duplicate (P4D0115-DUP6)	Source: 4C28007-21			Prepared & Analyzed: 04/01/24						
% Moisture	5.0	0.1	%		5.0			0.00	20	
Duplicate (P4D0115-DUP7)	Source: 4C28010-02			Prepared & Analyzed: 04/01/24						
% Moisture	4.0	0.1	%		5.0			22.2	20	R3
Duplicate (P4D0115-DUP8)	Source: 4C29001-09			Prepared & Analyzed: 04/01/24						
% Moisture	1.0	0.1	%		2.0			66.7	20	R3
Duplicate (P4D0115-DUP9)	Source: 4C28013-10			Prepared & Analyzed: 04/01/24						
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P4D0115-DUPA)	Source: 4C28013-20			Prepared & Analyzed: 04/01/24						
% Moisture	10.0	0.1	%		10.0			0.00	20	
Duplicate (P4D0115-DUPB)	Source: 4C28013-35			Prepared & Analyzed: 04/01/24						
% Moisture	5.0	0.1	%		3.0			50.0	20	R3
Duplicate (P4D0115-DUPC)	Source: 4C28013-45			Prepared & Analyzed: 04/01/24						
% Moisture	5.0	0.1	%		5.0			0.00	20	

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Mitchell Clemens

Notes and Definitions

- S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
- ROI Received on Ice
- R3 The RPD exceeded the acceptance limit due to sample matrix effects.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
- NPBEL C Chain of Custody was not generated at PBELAB
- BULK Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- LCS Laboratory Control Spike
- MS Matrix Spike
- Dup Duplicate

Report Approved By:  Date: 4/9/2024

Brent Barron, Laboratory Director/Technical Director

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

GHD Services-Midland
2135 S. Loop 250 West
Midland TX, 79703

Project: Red Hills Release
Project Number: 12626654
Project Manager: Mitchell Clemens

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701

L: CH: W:

Phone: 432-686-7235

Project Manager: Stephen Asante-Ansong
Company Name: GHD
Company Address: 2135 S loop 250 W
City/State/Zip: Midland, TX, 79703
Telephone No: 432-557-0215
Sampler Signature: [Signatures]

Project Name: Red Hills Release
Project #: 12626654
Project Loc: Lea
PO #: 2024-20
Report Format: [] Standard [] TRRP [] NPDES
e-mail: Stephen.Asante-Ansong@ghd.com, mitchell.clemens@ghd.com

Table with columns: LAB # (lab use only), FIELD CODE, Beginning Depth, Ending Depth, Date Sampled, Time Sampled, Field Filtered, Total #. of Containers, Preservation & # of Containers, Matrix, Analyze For, RUSH TAT (Pre-Schedule) 24, 48, 72 hrs, Standard TAT. Rows 1-10.

Special Instructions: Laboratory Comments:
Received by: [Signature] Date: 3-18-24 Time: 16:50
Relinquished by: [Signature] Date: 3-28-24 Time: 16:50
Temperature Upon Receipt: Received: 0.0 °C Thermometer: [Signature] Adjusted: 0.0 °C Factor: [Signature]



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701

L: CH: W:

Phone: 432-686-7235

Project Manager: Stephen Asante-Ansong
Company Name: GHD
Company Address: 2135 S loop 250 W
City/State/Zip: Midland, TX, 79703
Telephone No: 432-557-0215
Sampler Signature: [Signature]

Project Name: Red Hills Release
Project #: 12626654
Project Loc: Lea
PO #: 2024-20
Report Format: [] Standard [] TRRP [] NPDES
e-mail: Stephen.Asante-Ansong@ghd.com, mitchell.clemens@ghd.com

Table with columns: LAB # (lab use only), FIELD CODE, Beginning Depth, Ending Depth, Date Sampled, Time Sampled, Field Filtered, Total # of Containers, Preservation & # of Containers (Ice, HNO3, HCl, H2SO4, NaOH, Na2S2O3, None, Other), Matrix (DW=Drinking Water, GW=Groundwater, NP=Non-Potable), Analyze For (TCLP, TOTAL, etc.), RUSH TAT, Standard TAT.

Special Instructions table with columns: Relinquished by, Date, Time, Received by, Date, Time.

Laboratory Comments table with columns: Sample Containers Intact?, VOCs Free of Headspace?, Custody seals on container(s), etc., and a list of Y/N responses.



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701

L: CH: W:

Phone: 432-686-7235

Project Manager: Stephen Asante-Ansong
Company Name: GHD
Company Address: 2135 S loop 250 W
City/State/Zip: Midland, TX, 79703
Telephone No: 432-557-0215
Fax No:
Sampler Signature: Mitchell

Project Name: Red Hills Release
Project #: 12626654
Project Loc: Lea
PO #: 2024-20
Report Format: Standard TRRP NPDES

e-mail: Stephen.Asante-Ansong@ghd.com, mitchell.clemens@ghd.com

Table with columns: LAB # (lab use only), FIELD CODE, Beginning Depth, Ending Depth, Date Sampled, Time Sampled, Field Filtered, Total # of Containers, Preservation & # of Containers, Matrix, Analyze For, RUSH TAT (Pre-Schedule) 24, 48, 72 hrs, Standard TAT. Includes handwritten data for 10 samples (21-30).

Special Instructions, Laboratory Comments, and Chain of Custody sections. Includes handwritten signatures, dates, and times for sample handover.



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701

L: CH: W:

Phone: 432-686-7235

Project Manager: Stephen Asante-Ansong

Project Name: Red Hills Release

Company Name: GHD

Project #: 12626654

Company Address: 2135 S loop 250 W

Project Loc: Lea

City/State/Zip: Midland, TX, 79703

PO #: 2024-20

Telephone No: 432-557-0215

Fax No:

Report Format: Standard TRRP NPDES

Sampler Signature: [Signature]

e-mail: Stephen.Asante-Ansong@ghd.com, mitchell.clemens@ghd.com

Table with columns: LAB # (lab use only), FIELD CODE, Beginning Depth, Ending Depth, Date Sampled, Time Sampled, Field Filled, Total #. of Containers, Preservation & # of Containers, Matrix, Analyze For, RUSH TAT (Pre-Schedule) 24, 48, 72 hrs, Standard TAT. Rows 31-40.

Special Instructions, Laboratory Comments, and Chain of Custody table with columns: Relinquished by, Date, Time, Received by, Date, Time. Includes handwritten signatures and dates.

Received by: [Signature] Date: 3-28-24 Time: 16:50

Released to Imaging: 7/9/2025 11:27:33 AM



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701

L: CH: W:

Phone: 432-686-7235

Project Manager: Stephen Asante-Ansong

Project Name: Red Hills Release

Company Name: GHD

Project #: 12626654

Company Address: 2135 S loop 250 W

Project Loc: Lea

City/State/Zip: Midland, TX, 79703

PO #: 2024-20

Telephone No: 432-557-0215

Fax No:

Report Format: Standard TRRP NPDES

Sampler Signature: Mitchell Clemens

e-mail: Stephen.Asante-Ansong@ghd.com, mitchell.clemens@ghd.com

Table with columns: LAB # (lab use only), FIELD CODE, Beginning Depth, Ending Depth, Date Sampled, Time Sampled, Field Filtered, Total #. of Containers, Preservation & # of Containers, Matrix, Analyze For: (TCLP, TOTAL), RUSH TAT (Pre-Schedule) 24, 48, 72 hrs, Standard TAT. Rows 41-47.

Special Instructions, Laboratory Comments, and a table for Relinquished by (Date, Time, Received by, Date, Time). Includes handwritten signatures and dates.



Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 464626

QUESTIONS

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID: 34053
	Action Number: 464626
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2329632113
Incident Name	NAPP2329632113 RED HILLS STATION RELEASE @ 0
Incident Type	Oil Release
Incident Status	Deferral Request Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	RED HILLS STATION RELEASE
Date Release Discovered	10/19/2023
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Oil 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	
<i>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.</i>	
Crude Oil Released (bbls) Details	Cause: Corrosion Pipeline (Any) Crude Oil Released: 8 BBL Recovered: 0 BBL Lost: 8 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
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.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 2

Action 464626

QUESTIONS (continued)

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID: 34053
	Action Number: 464626
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

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	<i>Not answered.</i>

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: Karolanne Hudgens Title: HSE Remediation Specialist II Email: karolanne.hudgens@plains.com Date: 05/19/2025
--	--

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 3

Action 464626

QUESTIONS (continued)

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID: 34053
	Action Number: 464626
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Site Characterization
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Attached Document
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1/2 and 1 (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 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1/2 and 1 (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	Medium
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	161
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	36500
GRO+DRO (EPA SW-846 Method 8015M)	31990
BTEX (EPA SW-846 Method 8021B or 8260B)	201
Benzene (EPA SW-846 Method 8021B or 8260B)	10.2

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	10/26/2023
On what date will (or did) the final sampling or liner inspection occur	03/27/2024
On what date will (or was) the remediation complete(d)	12/12/2023
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	1000
What is the estimated volume (in cubic yards) that will be remediated	380

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 4

Action 464626

QUESTIONS (continued)

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID: 34053
	Action Number: 464626
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement	Name: Karolanne Hudgens Title: HSE Remediation Specialist II Email: karolanne.hudgens@plains.com Date: 05/19/2025
--	--

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.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 5

Action 464626

QUESTIONS (continued)

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID: 34053
	Action Number: 464626
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Above ground and underground piping infrastructure associated with facility operations.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	1400
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	2000
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (F#) on which this deferral should be granted	RED HILLS STATION [FRM1925327165]
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<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: Karolanne Hudgens Title: HSE Remediation Specialist II Email: karolanne.hudgens@plains.com Date: 05/19/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 6

Action 464626

QUESTIONS (continued)

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID: 34053
	Action Number: 464626
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	322253
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/14/2024
What was the (estimated) number of samples that were to be gathered	25
What was the sampling surface area in square feet	2500

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
--	-----------

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 464626

CONDITIONS

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID: 34053
	Action Number: 464626
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
nvez	Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place.	7/9/2025