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

10.6 = 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%.

20% = Estimated Pore Space

Width Times Length Times Depth = Cubic Feet

0 = Width in **Feet**
0 = Length in **Feet**

0.125 = Depth in **Inches**
0.010417 = Depth in Feet

There Are 7.48 Gallons Of Oil Per Cubic Foot

0.00 = Gallons of Oil In Soil

0.0 = 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.*****

16% = Estimated Pore Space

Width Times Length Times Depth = Cubic Feet

20 = Width in **Feet**
202 = Length in **Feet**
1.1 = Depth in **Inches**
0.091667 = Depth in Feet

There Are 7.48 Gallons Of Oil Per Cubic Foot

443.21 = Gallons of Oil In Soil

10.6 = Barrels of Oil In Soil

20% = Estimated Pore Space

Width Times Length Times Depth = Cubic Feet

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

There Are 7.48 Gallons Of Oil Per Cubic Foot

0.00 = Gallons of Oil In Soil

0.0 = Barrels of Oil In Soil

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

NAPP2324043455

Incident ID	nAPP2324043455
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)* nAPP2324043455
Contact mailing address 1106 Griffith Drive, Midland, TX 79706	

Location of Release Source

Latitude 32.2455 Longitude -103.5009
(NAD 83 in decimal degrees to 5 decimal places)

Site Name South Bell Lake 263 Release	Site Type pipeline
Date Release Discovered 8/27/2023	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
I	6	24S	34E	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)

☒ Crude Oil	Volume Released (bbls) 10.6	Volume Recovered (bbls) 0
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
Bad bearings on a charge pump associated with a Plains LACT unit. The bearings in the charge pump went out, which caused vibration to break the nipple on the sampler probe, which ultimately caused a release of crude oil.

State of New Mexico
Oil Conservation Division

NAPP2324043455

Incident ID	nAPP2324043455
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Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release?
☐ Yes ☒ No	

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

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not 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: Karolanne Hudgens Title: Remediation Specialist II

Signature: [signature] Date: 8/30/23

email: karolanne.hudgens@plains.com Telephone: 575-200-5517

OCD Only

Received by: Shelly Wells Date: 8/30/2023

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%
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Location:

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0.00 = Gallons of Oil In Soil

0.0 = 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.****

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202 = Length in **Feet**
1.1 = Depth in **Inches**
0.091667 = Depth in Feet

There Are 7.48 Gallons Of Oil Per Cubic Foot

443.21 = Gallons of Oil In Soil

10.6 = Barrels of Oil In Soil

Incident ID	nAPP2324043455
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	UNK (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☑ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☑ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

- ☑ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☑ Data table of soil contaminant concentration data
- ☑ Depth to water determination
- ☑ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☑ Photographs including date and GIS information
- ☑ Topographic/Aerial maps
- ☑ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2324043455
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Facility ID	
Application ID	

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: Karolanne Hudgens Title: Remediation Specialist II

Signature: [signature] Date: 2/15/24

email: karolanne.hudgens@plains.com Telephone: 575-200-5517

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2324043455
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☑ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☑ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☑ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☑ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Karolanne Hudgens Title: Remediation Specialist II

Signature: Date: 2/15/2024

email: karolanne.hudgens@plains.com Telephone: 575-200-5517

OCD Only

Received by: Date:

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

Closure Approved by: Date:

Printed Name: Title:

2135 S. Loop 250 W,
Midland, Texas 79703
United States
www.ghd.com

Our ref: 12622000

February 12, 2024

Mr. Nelson Velez
State of New Mexico Energy, Minerals and Resource Oil Conservation Division
District I
1220 South St. Francis Dr.
Sante Fe, NM 87505

Re: Site Characterization, Remediation, Deferral Request, and Closure Report
Plains All American Pipeline, LP
South Bell Lake Release
Incident ID: nAPP2324043455
I-6-24S-34E, Lea County, New Mexico

1. Introduction

GHD Services, Inc. (GHD), on behalf of Plains All American Pipeline, LP (Plains), submits this Site Characterization, Remediation, and Closure Report to the State of New Mexico Energy, Minerals and Resource Oil Conservation Division (OCD) District I Office. This report provides documentation of site characterization, assessment activities, remediation activities, confirmation sampling and analysis of the crude oil impacted area at the South Bell Lake Release (Site). The Site is located in Unit Letter I Section 6 of Township 24 South and Range 34 East in Lea County, New Mexico. The GPS coordinates for the release site are 32.2455º N Latitude and 103.5009º W Longitude. Kaiser Francis is the owner/operator of the pad where the release occurred. The surface owner of the land where the release occurred is New Mexico State Land Trust. 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 OCD District I Office in Hobbs, New Mexico. Notice was given to the OCD via Notification of Release (NOR) Submission, Action 258155 on August 27, 2023. A C-141 Release Notification for this release was submitted to the OCD on August 30, 2023. The C-141 stated 10.6 barrels (bbls) of crude oil was released from the pipeline with no recovery during initial response actions. The OCD assigned Incident Number nAPP2324043455 to the release. The Initial, Site Characterization, and Closure portions of form C-141 are attached to the front of this report.

3. Site Characterization and Closure Criteria

GHD characterized the Site according to Closure Criteria for Soils Impacted by a Release, from New Mexico Administrative Code (NMAC) Title 19, Chapter 15, Part 29, Section 12 (NMAC 19.15.29.12) (NMAC Table I Closure Criteria).

According to the Site characterization evaluation and 19.15.29.12.C(4)(a)(i), the Site is located within an area of low karst potential. No groundwater data was available within one-half mile of the Site. In addition, no 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. Documentation of the Site characterization and receptor review are included as Attachment A. Based on the results of the site characterization, the closure criteria are listed below:

General Site Characterization and Groundwater Information:

Site Characterization	Average Groundwater Depth (ft)
No Receptors Found	Unknown, treated as less than fifty (50) feet below ground surface (bgs)

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

Regulatory Standard	Benzene (mg/kg)	BTEX (mg/kg)	TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
19.15.29.13 Restoration, Reclamation and Re-Vegetation (Impacted Area 0-4 feet)	10	50	100	600
19.15.29.12 NMAC Table I Closure Criteria for Soils Impacted by a Release	10	50	100	600

4. Initial Soil Assessment Activities

On September 7, 2023, GHD personnel mobilized to the Site to install hand auger soil borings to assess the affected area. GHD installed three (3) hand auger soil borings and collected soil samples from select intervals based on field screening results. A total of five (5) samples were collected (DS-1 (3ft), DS-1(4ft), DS-2 (3ft), DS-4 (3ft), DS-4 (3.5 ft)), depths ranged from approximately three (3) to four (4) feet bgs. Samples were placed in laboratory-provided containers, which were immediately labelled, sealed, and stored/transported in a cooler containing ice to a laboratory certified by the National Environmental Laboratory Program (NELAP) for analysis. Samples were submitted to Permian Basin Environmental Lab, LP in Midland, Texas, and analyzed for total petroleum hydrocarbons (TPH) by EPA SW846 Method 8015B Modified.

Analytical results indicated all collected soil samples exhibited TPH concentrations below the applicable NMAC Table I Closure Criteria. Analytical results are shown on Table 1 and in the the laboratory analytical reports in Attachment B. Sample locations are depicted on Figure 2.

5. Remedial Excavation, Waste Management, and Confirmation Soil Sampling

Off-Pad Area

GHD and Plains' subcontractor, Standard Safety and Supply (SS), mobilized to the Site to excavate the affected soils located in the off-pad area. Excavation activities were conducted from September 18 through September 25, 2023, to an approximate total depth of one (1) foot bgs. On September 18, 2023, GHD collected six (6) soil samples from the excavation floor (CS-1 through CS-6) and five (5) sidewall composite confirmation samples (SW-1 through SW-5). 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 PBE in Midland, Texas. The samples were submitted to PBE for analysis of benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA SW846 Method 8021B, TPH by EPA SW846 Method 8015B Modified, and chloride by EPA Method 300.

Analytical results indicated five (5) of the samples (CS-1, CS-3, CS-5, SW-2, and SW-3) exhibited TPH and/or chloride concentrations above NMAC Table I Closure Criteria. The remaining samples exhibited benzene, BTEX, TPH, and/or chloride concentrations below Table I Closure Criteria. Analytical results are included in Table 1 and in the Laboratory Analytical Reports included as Attachment B. Figure 2 depicts the locations of the composite confirmation samples.

Based on initial analytical results, GHD and SS returned to the Site to further excavate the affected area along the flowpath outside of the facility fence-line. The area in proximity to previous sample locations (CS-1, CS-3, and CS-5) was deepened from one (1) to two (2) feet bgs and resampled (CS-1A, CS-3A, and CS-5A). In addition the sidewalls were also further excavated and resampled (SW-2A and SW-3A). 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 a laboratory certified by the NELAP for analysis (PBE) and analyzed for BTEX by EPA SW846 Method 8021B, TPH by EPA SW846 Method 8015B Modified, and chloride by EPA Method 300.

Analytical results indicated the final samples (CS-1A, CS-3A, SC-5A, SW-2A, and SW-3A) exhibited benzene, BTEX, TPH, or chloride concentrations below NMAC Table I Closure Criteria. Analytical results are included in Table 1 and in the Laboratory Analytical Reports included as Attachment B. Figure 2 depicts the locations of the composite confirmation samples.

On-Pad Area

GHD and SS returned to the Site on October 12 and October 13, 2023, to excavate affected soils located in the on-pad area. Depths ranged from approximately a foot to two (2) feet bgs. GHD collected eleven (11) samples from the excavation floor (SP-1 through SP-11) and five (5) sidewall composite confirmation samples (SW-1 (1') through SW-3 (1'), SW-4 (2') and SW-5 (2')). 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 a laboratory certified by the NELAP (PBE) and analyzed for BTEX by EPA SW846 Method 8021B, TPH by EPA SW846 Method 8015B Modified, and chloride by EPA Method 300.

Analytical results indicated eleven (11) of the samples (SP-1 through SP-3, SP-5, SP-6, SP-8, SP-9, SW-1 through SW-3, and SW-5) exhibited TPH and/or chloride concentrations above NMAC Table I Closure Criteria.

The remainder of the samples exhibited benzene, BTEX, TPH, or chloride concentrations below Table I Closure Criteria. Analytical results are included in Table 1 and in the Laboratory Analytical Reports included as Attachment B. Figure 2 depicts the locations of the composite confirmation samples.

Based on laboratory analytical data, GHD and SS returned to the Site to further excavate the affected area. Additional impacted soil was removed from the excavation floor and resampled (SP-1A through SP-3A, SP-5A, and SP-9A). The areas around SP-6 and SP-8 were deepened from two (2) to three (3) feet bgs and resampled (SP-6A and SP-8A). The sidewalls where SW-1 (1') through SW-3 (1'), and SW-5 (2') were collected were further excavated and resampled (SW-1 (1')A through SW-3 (1')A, and SW-5 (2')A). 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 a laboratory certified by the NELAP (PBE) and analyzed for BTEX by EPA SW846 Method 8021B, TPH by EPA SW846 Method 8015B Modified, and chloride by EPA Method 300.

Analytical results indicated one (1) of the samples (SW-1 (1')A) exhibited TPH concentrations above NMAC Table I Closure Criteria. The remainder of the submitted soil samples exhibited benzene, BTEX, TPH, and/or chloride concentrations below Table I Closure Criteria. The sidewall represented by SW-1 (1')A is up against production equipment currently in use. Due to the sensitive nature and structural integrity concerns, no further excavation was performed in this area. Analytical results are included in Table 1 and in the Laboratory Analytical Reports included as Attachment B. Figure 2 depicts the locations of the composite confirmation samples.

Waste management activities were performed in coordination with Plains directives. Plains obtained regulatory approval via the successful processing of Form C-138 Request for Approval to Accept Solid Waste. The waste was approved for acceptance at the OCD-permitted (NM1-63), Northern Delaware Basin Landfill facility located at 2029 W NM-128, Jal, New Mexico, 88252. A total of approximately 440 yards of impacted soil was removed from the remedial excavation and disposed of. The approved C-138 and waste manifests are available upon request but are not attached due to the size of the file. A summary of soil disposal is included in Table 2. A photographic log is included as Attachment C. Sampling notifications are included as Attachment D.

6. nAPP2324043455 Deferral and Closure Request

The excavation will be backfilled with non-impacted soil. 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 immediately next to production equipment represented by soil sample SW-1 (1')A due to equipment structural stability concerns. This area will be remediated when the oil and gas production equipment is removed from the Site during Site decommissioning. Based upon supporting documentation provided in this report, GHD, on behalf of Plains, respectfully requests closure of nAPP2324043455.

If you have any questions or comments concerning this Site Closure Report, please do not hesitate to contact our Midland office at (432) 686-0086.

Sincerely,

GHD

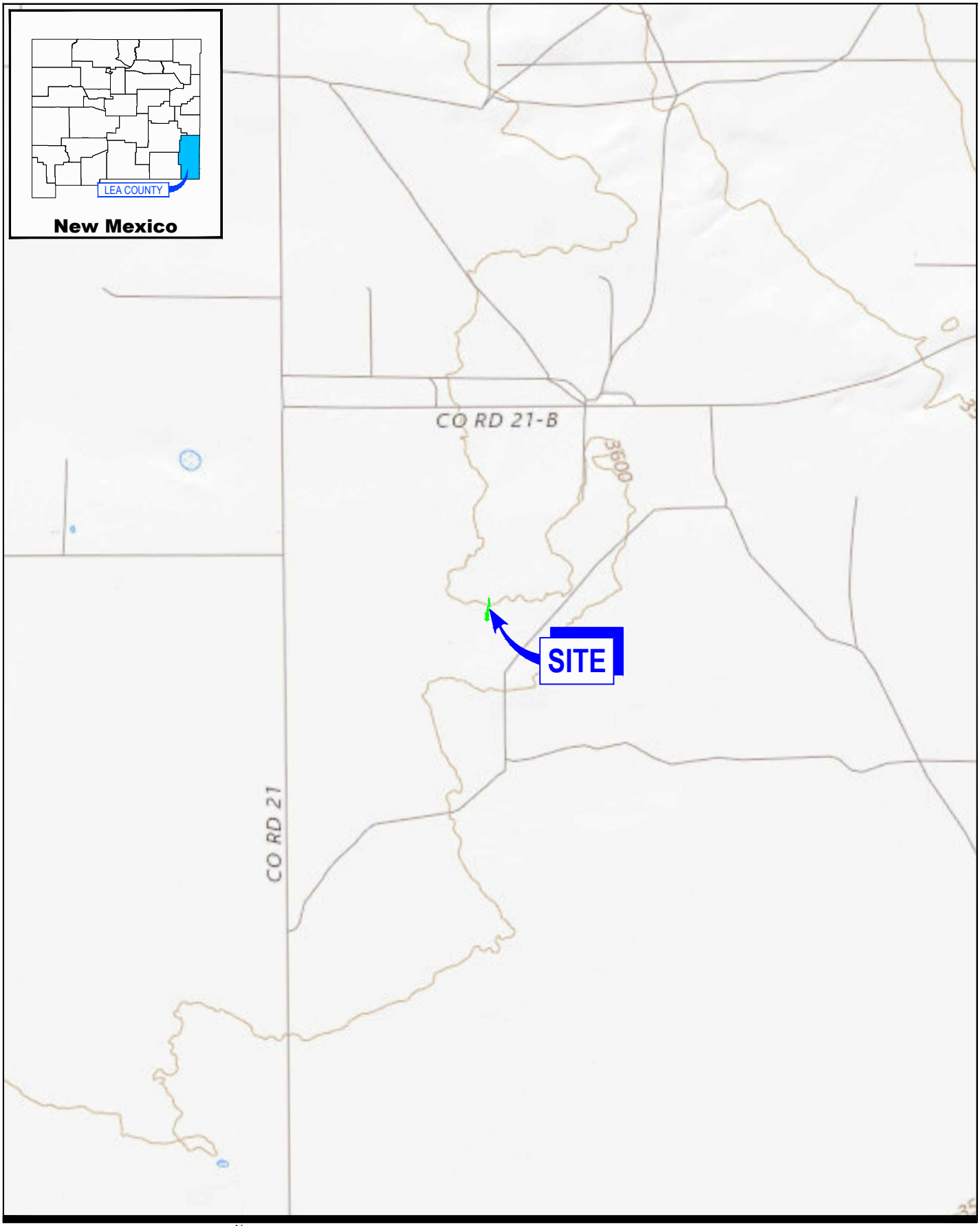
J.T. Murrey
Senior Project Manager

Nate Reece
Environmental Scientist

Encl. Figure 1 – Site Location Map
Figure 2 – Assessment and Confirmation Sampling Locations Map
Table 1 – Summary of Soil Analytical Data
Table 2 – Daily Soil Disposal Summary
Attachment A – Site Characterization Documentation
Attachment B – Laboratory Analytical Reports and Chain-of-Custody Documentation
Attachment C – Photographic Log
Attachment D – Sampling Notifications

cc: Karolanne Hudgens, Plains

Figures



0 1000 2000 ft

Coordinate System:
NAD 1983 (2011) StatePlane-
New Mexico East (US Feet)

N

GHD

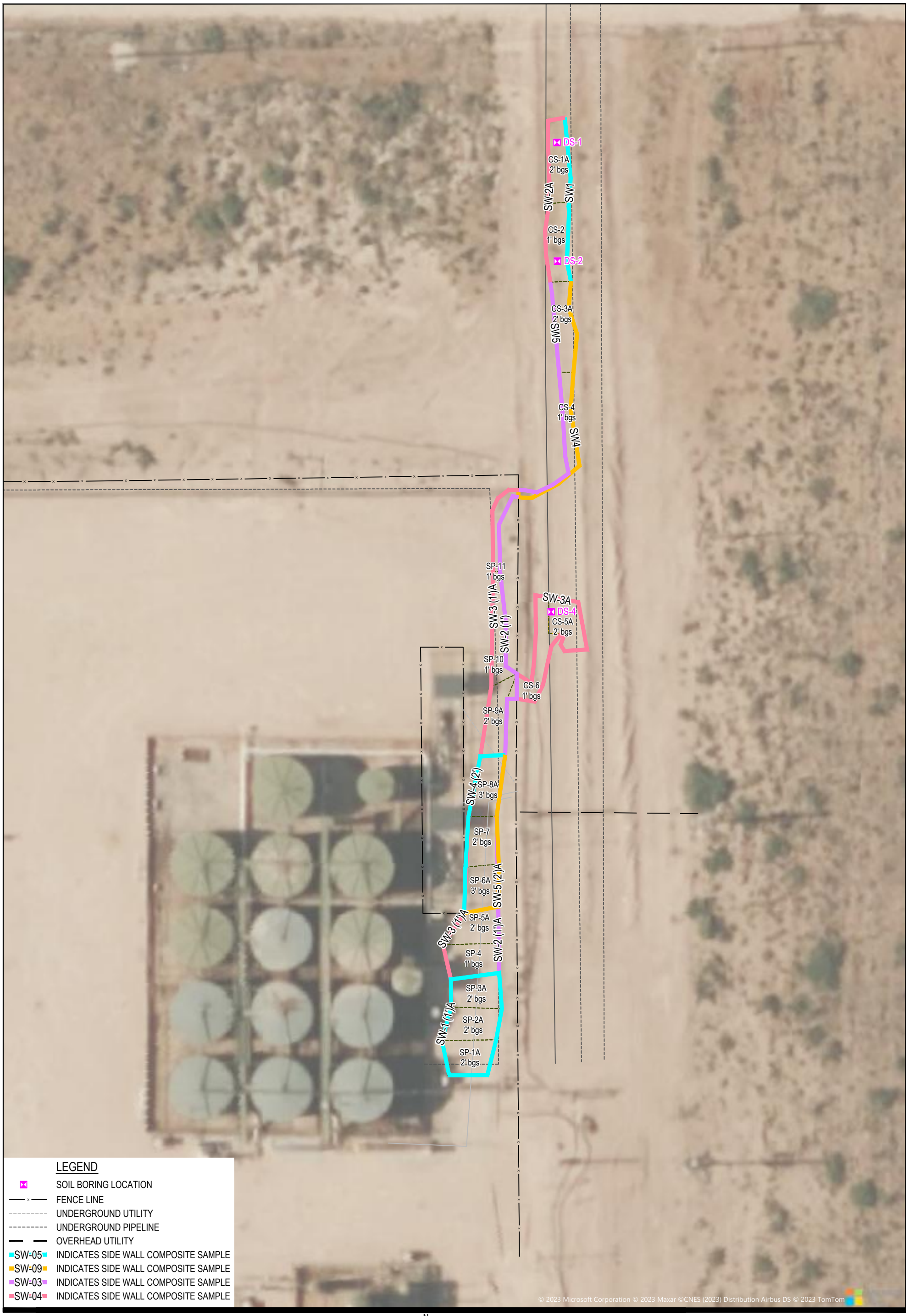
PLAINS ALL AMERICAN PIPELINE, LP
SOUTH BELL LAKE 263 RELEASE
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT ID:NAPP2324043455

Project No. 12622000
Date October 2023

SITE LOCATION MAP

FIGURE 1

Filename: N:\US\Houston\Projects\562\12622000\Digital_Design\ACAD\Figures\RPT001\12622000-GHD-00-00-RPT-EN-D101_DL-001.dwg
Data Source: USGS 7.5 Minute Quads "Bell Lake, Woodley Flat, San Simon Sink, Tip Top Wells, New Mexico"
Lat/Long: 32.2455° North, 103.5009° West



0 30 60 ft

Coordinate System:
NAD 1983 (2011) StatePlane-
New Mexico East (US Feet)

N

GHD

PLAINS ALL AMERICAN PIPELINE, LP
SOUTH BELL LAKE 263 RELEASE
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT ID: nAPP2324043455

ASSESSMENT AND CONFIRMATION SAMPLING LOCATIONS MAP

Project No. **12622000**
Date **February 2024**

FIGURE 2

Filename: \\ghdnet\ghd\US\Houston\Projects\562\12622000\Digital_Design\ACAD\Figures\RPT001\12622000-GHD-00-00-RPT-EN-D101_DL-001.dwg

Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 32.2455° North, 103.5009° West

Tables

Table 1

Summary of Soil Analytical Data
Plains Pipeline, L.P.
South Bell Lake 263H Release
Lea County, New Mexico
NMOCD Incident ID: nAPP2324043455

Location	Sample Identification	Date	Depth	Benzene	Toluene	Ethylbenzene	Xylenes (total)	Total BTEX	TPH (C6-C10) GRO	TPH (>C10-C28) DRO	TPH (>C28-C36) ORO	Total TPH GRO/DRO/ORO	Chloride
NMAC 19.15.29.12 Table 1 Closure Criteria (GW ≤50 feet):				**10**	**---**	**---**	**---**	**50**	**---**	**---**	**---**	**100**	**600**
Assessment Samples													
DS-1	DS-1 (3ft)	09/07/2023	3	NS	NS	NS	NS	NS	<26.0	<26.0	<26.0	NS	NS
DS-1	DS-1 (4ft)	09/07/2023	4	NS	NS	NS	NS	NS	<25.0	<25.0	<25.0	NS	NS
DS-2	DS-2 (3ft)	09/07/2023	3	NS	NS	NS	NS	NS	<25.5	<25.5	<25.5	NS	NS
DS-4	DS-4 (3ft)	09/07/2023	3	NS	NS	NS	NS	NS	<27.2	<27.2	<27.2	NS	NS
DS-4	DS-4 (3.5ft)	09/07/2023	3.5	NS	NS	NS	NS	NS	<26.6	<26.6	<26.6	NS	NS
Off Pad Bottom Hole Confirmation Samples													
~~CS-1~~	~~CS-1~~	~~09/18/2023~~	~~1~~	~~<0.00103~~	~~<0.00103~~	~~<0.00103~~	~~<0.00309~~	~~<0.00309~~	~~<25.8~~	~~198~~	~~35.1~~	~~233~~	~~916~~
CS-1	CS-1A	09/25/2023	2	<0.00110	<0.00110	<0.00110	<0.00330	<0.00330	<27.5	<27.5	<27.5	<27.5	**16.0**
CS-2	CS-2	09/18/2023	1	<0.00103	<0.00103	<0.00103	<0.00309	<0.00309	<25.8	<25.8	<25.8	<25.8	**18.8**
~~CS-3~~	~~CS-3~~	~~09/18/2023~~	~~1~~	~~<0.00102~~	~~<0.00102~~	~~<0.00102~~	~~<0.00306~~	~~<0.00306~~	~~27.8~~	~~357~~	~~59.4~~	~~444~~	~~26.2~~
CS-3	CS-3A	09/25/2023	2	<0.00108	<0.00108	<0.00108	<0.00323	<0.00323	<26.9	<26.9	<26.9	<26.9	**12.3**
CS-4	CS-4	09/18/2023	1	<0.00103	<0.00103	<0.00103	<0.00309	<0.00309	<25.8	<25.8	<25.8	<25.8	**36.8**
~~CS-5~~	~~CS-5~~	~~09/18/2023~~	~~1~~	~~<0.00103~~	~~<0.00103~~	~~<0.00103~~	~~0.00453~~	~~0.00453~~	~~<25.8~~	~~441~~	~~80.8~~	~~522~~	~~69.5~~
CS-5	CS-5A	09/25/2023	2	<0.00123	<0.00123	<0.00123	<0.00370	<0.00370	<30.9	<30.9	<30.9	<30.9	**50.0**
CS-6	CS-6	09/18/2023	1	<0.00101	<0.00101	<0.00101	<0.00303	<0.00303	<25.3	<25.3	<25.3	<25.3	**15.0**
Off Pad Sidewall Confirmation Samples													
SW-1	SW-1	09/18/2023	0-1	<0.00101	<0.00101	<0.00101	<0.00303	<0.00303	<25.3	<25.3	<25.3	<25.3	**23.5**
~~SW-2~~	~~SW-2~~	~~09/18/2023~~	~~0-1~~	~~<0.00102~~	~~<0.00102~~	~~<0.00102~~	~~0.00688~~	~~0.00688~~	~~<25.5~~	~~289~~	~~56.3~~	~~345~~	~~104~~
SW-2	SW-2A	09/25/2023	0-1/0-2	<0.00104	<0.00104	<0.00104	<0.00312	<0.00312	<26.0	<26.0	<26.0	<26.0	**16.6**
~~SW-3~~	~~SW-3~~	~~09/18/2023~~	~~0-1~~	~~<0.00101~~	~~<0.00101~~	~~0.00466~~	~~0.02503~~	~~0.02966~~	~~<25.3~~	~~106~~	~~<25.3~~	~~106~~	~~12.1~~
SW-3	SW-3A	09/25/2023	0-1/0-2	<0.00111	<0.00111	<0.00111	<0.00333	<0.00333	<27.8	<27.8	<27.8	<27.8	**19.5**
SW-4	SW-4	09/25/2023	0-1/0-2	<0.00104	<0.00104	<0.00104	<0.00312	<0.00312	<26.0	<26.0	<26.0	<26.0	**10.9**
SW-5	SW-5	09/25/2023	0-1/0-2	<0.00127	<0.00127	<0.00127	<0.00380	<0.00380	<31.6	<31.6	<31.6	<31.6	**16.6**
On Pad Confirmation Samples													
~~SP-1~~	~~SP-1 (1')~~	~~10/11/2023~~	~~1~~	~~<0.00105~~	~~<0.00105~~	~~<0.00105~~	~~<0.00211~~	~~<0.00105~~	~~43.8~~	~~567~~	~~611~~	~~1221.8~~	~~100~~
SP-1	SP-1A	11/07/2023	2	<0.00108	<0.00108	<0.00108	<0.00215	<0.00108	<26.9	**42.8**	<26.9	**42.8**	**51.6**
~~SP-2~~	~~SP-2 (1')~~	~~10/11/2023~~	~~1~~	~~<0.00105~~	~~<0.00105~~	~~<0.00105~~	~~<0.00211~~	~~<0.00105~~	~~60.5~~	~~3180~~	~~3240~~	~~6480.5~~	~~83.1~~
SP-2	SP-2A	11/07/2023	2	<0.00106	<0.00106	<0.00106	<0.00213	<0.00106	<26.6	<26.6	<26.6	<26.6	**60.3**
~~SP-3~~	~~SP-3 (1')~~	~~10/11/2023~~	~~1~~	~~<0.00106~~	~~<0.00106~~	~~<0.00106~~	~~<0.00213~~	~~<0.00106~~	~~27.1~~	~~374~~	~~402~~	~~803.1~~	~~38.0~~
SP-3	SP-3A	11/07/2023	2	<0.00112	<0.00112	<0.00112	<0.00225	<0.00112	<28.1	<28.1	<28.1	<28.1	**49.2**
SP-4	SP-4 (1')	10/11/2023	1	<0.00116	<0.00116	<0.00116	<0.00233	<0.00116	<29.1	<29.1	**31**	**31**	**19.5**
~~SP-5~~	~~SP-5 (1')~~	~~10/12/2023~~	~~1~~	~~<0.00105~~	~~<0.00105~~	~~<0.00105~~	~~0.00333~~	~~0.00249~~	~~<26.3~~	~~1790~~	~~319~~	~~2109~~	~~31.0~~
SP-5	SP-5A	11/07/2023	2	<0.00110	<0.00110	<0.00110	<0.00220	<0.00110	<27.5	<27.5	<27.5	<27.5	**49.3**
~~SP-6~~	~~SP-6 (2')~~	~~10/12/2023~~	~~2~~	~~<0.00106~~	~~<0.00106~~	~~<0.00106~~	~~0.00522~~	~~0.00522~~	~~<26.6~~	~~337~~	~~401~~	~~738~~	~~47.8~~
SP-6	SP-6A	11/07/2023	3	<0.00111	<0.00111	<0.00111	<0.00222	<0.00111	<27.8	**31.2**	<27.8	**31.2**	**40.0**
SP-7	SP-7 (2')	10/12/2023	2	<0.00108	<0.00108	<0.00108	**0.00587**	**0.00587**	<26.9	**35.6**	**51.6**	**87.2**	**29.3**
~~SP-8~~	~~SP-8 (2')~~	~~10/13/2023~~	~~2~~	~~<0.00108~~	~~<0.00108~~	~~<0.00108~~	~~0.00414~~	~~0.00229~~	~~<26.9~~	~~175~~	~~27.8~~	~~202.8~~	~~86.2~~
SP-8	SP-8A	11/07/2023	3	<0.00108	<0.00108	<0.00108	<0.00215	<0.00108	<26.9	**77.1**	<26.9	**77.1**	**32.8**
~~SP-9~~	~~SP-9 (1')~~	~~10/13/2023~~	~~1~~	~~<0.00105~~	~~<0.00105~~	~~<0.00105~~	~~<0.00211~~	~~<0.00105~~	~~<26.3~~	~~116~~	~~<26.3~~	~~116~~	~~58.1~~
SP-9	SP-9A	11/07/2023	2	<0.00108	<0.00108	<0.00108	<0.00215	<0.00108	<26.9	<26.9	<26.9	<26.9	**158**
SP-10	SP-10 (1')	10/13/2023	1	<0.00105	<0.00105	<0.00105	<0.00211	<0.00105	<26.3	<26.3	<26.3	<26.3	**25.4**
SP-11	SP-11 (1')	10/13/2023	1	<0.00108	<0.00108	<0.00108	<0.00215	<0.00108	<26.9	<26.9	<26.9	<26.9	**31.4**

Table 1

Summary of Soil Analytical Data
Plains Pipeline, L.P.
South Bell Lake 263H Release
Lea County, New Mexico
NMOCD Incident ID: nAPP2324043455

Location	Sample Identification	Date	Depth	Benzene	Toluene	Ethylbenzene	Xylenes (total)	Total BTEX	TPH (C6-C10) GRO	TPH (>C10-C28) DRO	TPH (>C28-C36) ORO	Total TPH GRO/DRO/ORO	Chloride
NMAC 19.15.29.12 Table 1 Closure Criteria (GW ≤50 feet):				**10**	**---**	**---**	**---**	**50**	**---**	**---**	**---**	**100**	**600**
On Pad Sidewall Confirmation Samples													
~~SW-1~~	~~SW-1 (1')~~	~~10/11/2023~~	~~0-1~~	~~<0.00105~~	~~<0.00105~~	~~<0.00105~~	~~<0.00211~~	~~<0.00105~~	~~<26.3~~	~~**48.5**~~	~~**58.5**~~	~~**107**~~	~~**25.6**~~
SW-1	SW-1 (1')A	11/07/2023	0-2	<0.00108	<0.00108	<0.00108	<0.00215	<0.00108	<26.9	**251**	**45.9**	**251**	**67.3**
~~SW-2~~	~~SW-2 (1')~~	~~10/13/2023~~	~~0-1~~	~~<0.00102~~	~~<0.00102~~	~~<0.00102~~	~~**0.00839**~~	~~**0.00839**~~	~~**28.3**~~	~~**332**~~	~~**59.9**~~	~~**420.2**~~	~~**627**~~
SW-2	SW-2 (1')A	11/07/2023	0-2	<0.00103	<0.00103	<0.00103	<0.00206	<0.00103	<25.8	**87.8**	<25.8	**87.8**	**12.6**
~~SW-3~~	~~SW-3 (1')~~	~~10/13/2023~~	~~0-1~~	~~<0.00103~~	~~<0.00103~~	~~<0.00103~~	~~**0.00239**~~	~~<0.00103~~	~~**34**~~	~~**802**~~	~~**159**~~	~~**992**~~	~~**535**~~
SW-3	SW-3 (1')A	11/07/2023	0-1	<0.00105	<0.00105	<0.00105	<0.00211	<0.00105	<26.3	<26.3	<26.3	<26.3	**56.9**
SW-4	SW-4 (2')	10/13/2023	0-2	<0.00101	<0.00101	<0.00101	<0.00202	<0.00101	<25.3	**58.5**	<25.3	**58.5**	**347**
~~SW-5~~	~~SW-5 (2')~~	~~10/13/2023~~	~~0-2~~	~~<0.00102~~	~~**0.00300**~~	~~**0.00331**~~	~~**0.0295**~~	~~**0.0358**~~	~~**27.9**~~	~~**229**~~	~~**35.4**~~	~~**292.3**~~	~~**320**~~
SW-5	SW-5 (2')A	11/07/2023	0-2	<0.00105	<0.00105	<0.00105	<0.00211	<0.00105	<26.3	**97.5**	<26.3	**97.5**	**9.29**

Notes:

1. Values reported in milligrams per kilogram (mg/kg).
2. < = Value Less than Reporting Limit (RL).
3. Bold Indicates Analyte Detected.
4. Benzene, Toluene, Ethylbenzene, Xylenes (BTEX) analyses by EPA SW846 Method 8021B.
5. Total Petroleum Hydrocarbons (TPH) analyses by EPA SW846 Method 8015 Mod.
6. Gasoline Range Organics (GRO); Diesel Range Organics (DRO); Motor Oil Range Organics (ORO).
7. Chlorides by EPA Method 300.0.
8. Yellow shaded cells indicate analytical samples that exceed the New Mexico Administrative Code (NMAC) 19.15.29.12 Table 1 Closure Criteria for the Site.
10. bgs - below ground surface.
11. ft - feet.
12. NS - Not Sampled.
13. GW - Groundwater.
14. Green shaded cells indicate sample location requested for deferral.

~~SW-1~~ Sample point excavated.

Table 2

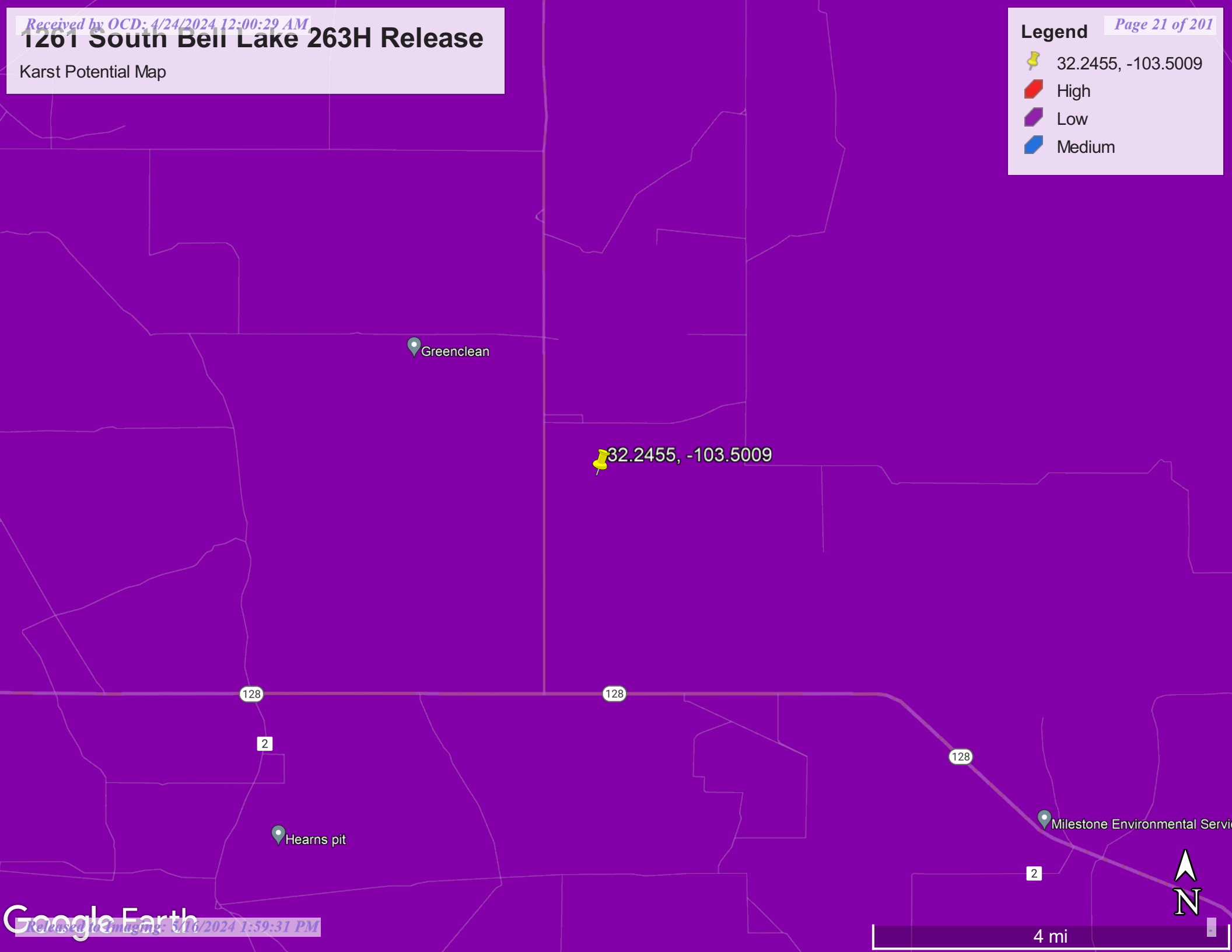
Daily Soil Disposal Summary
Plains Pipeline, L.P.
South Bell Lake 263H Release
Lea County, New Mexico
NMOCD Incident ID: nAPP2324043455

Date of Disposal	Total Yards Disposed
11/29/2023	440
Project Total	**440**

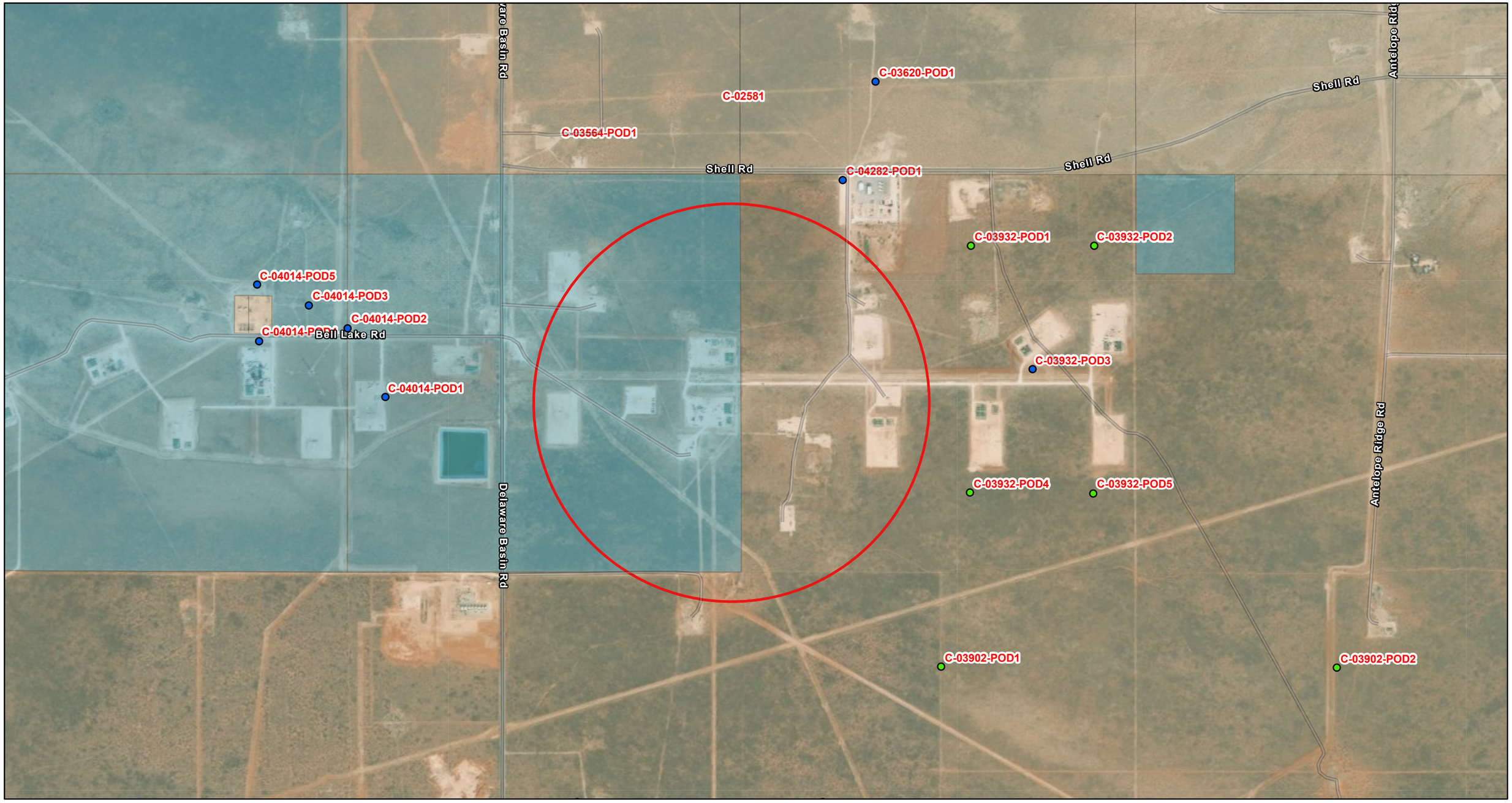
Attachment A
Site Characterization Documentation

1261 South Bell Lake 263H Release

Karst Potential Map



OSE POD Location Map



8/28/2023, 2:58:16 PM

Override 1

GIS WATERS PODs

Active

Pending

OSE District Boundary

Water Right Regulations

Closure Area

New Mexico State Trust Lands

Subsurface Estate

Both Estates

SiteBoundaries

1:18,056

0 0.17 0.35 0.7 mi

0 0.3 0.6 1.2 km

Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, CONANP, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau,

Online web user

This is an unofficial map from the OSE's online application.

1261 South Bell Lake 263H Release

Significant Watercourse Map

Legend

- 0.5 mi Radius
- 300 ft Radius
- 32.2455, -103.5009

T24S R34E

32.2455, -103.5009

3600

3600

3600

CO RD 21

6

5

6

N

2000 ft

U.S. Fish and Wildlife Service
National Wetlands Inventory

Wetlands

August 29, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- 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 Wetlands Inventory (NWI)
This page was produced by the NWI mapper

National Flood Hazard Layer FIRMette

FEMA

103°30'22"W 32°14'59"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

103°29'45"W 32°14'29"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) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

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

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

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

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/29/2023 at 2:57 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.

Attachment B
Laboratory Analytical Reports and Chain-of-Custody Documentation

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

PBELAB

Analytical Report

Prepared for:

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

Project: South Bell Lake 263H Release
Project Number: 12622000
Location: Eunice, NM

Lab Order Number: 3I08001

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 09/11/23

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DS-1 (3ft)	3I08001-01	Soil	09/07/23 00:00	09-08-2023 08:50
DS-1 (4ft)	3I08001-02	Soil	09/07/23 00:00	09-08-2023 08:50
DS-2 (3ft)	3I08001-03	Soil	09/07/23 00:00	09-08-2023 08:50
DS-4 (3ft)	3I08001-04	Soil	09/07/23 00:00	09-08-2023 08:50
DS-4 (3.5ft)	3I08001-05	Soil	09/07/23 00:00	09-08-2023 08:50

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

DS-1 (3ft)

3I08001-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
Organics by GC									
Gasoline Range Organics	ND	26.0	mg/kg dry	1	P3I1008	09/10/23 10:08	09/11/23 08:10	EPA 8015M	
Diesel Range Organics	ND	26.0	mg/kg dry	1	P3I1008	09/10/23 10:08	09/11/23 08:10	EPA 8015M	
Oil Range Organics	ND	26.0	mg/kg dry	1	P3I1008	09/10/23 10:08	09/11/23 08:10	EPA 8015M	
Surrogate: 1-Chlorooctane		*70.9 %*	*70-130*		*P3I1008*	*09/10/23 10:08*	*09/11/23 08:10*	*EPA 8015M*	
Surrogate: o-Terphenyl		*104 %*	*70-130*		*P3I1008*	*09/10/23 10:08*	*09/11/23 08:10*	*EPA 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
% Moisture	**4.0**	0.1	%	1	P3I1108	09/11/23 08:11	09/11/23 08:12	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

DS-1 (4ft)

3I08001-02 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Gasoline Range Organics	ND	25.0	mg/kg dry	1	P3I1008	09/10/23 10:08	09/11/23 08:35	EPA 8015M	
Diesel Range Organics	ND	25.0	mg/kg dry	1	P3I1008	09/10/23 10:08	09/11/23 08:35	EPA 8015M	
Oil Range Organics	ND	25.0	mg/kg dry	1	P3I1008	09/10/23 10:08	09/11/23 08:35	EPA 8015M	
Surrogate: 1-Chlorooctane	*72.9 %*	*70-130*			*P3I1008*	*09/10/23 10:08*	*09/11/23 08:35*	*EPA 8015M*	
Surrogate: o-Terphenyl	*82.3 %*	*70-130*			*P3I1008*	*09/10/23 10:08*	*09/11/23 08:35*	*EPA 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
% Moisture	ND	0.1	%	1	P3I1108	09/11/23 08:11	09/11/23 08:12	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

DS-2 (3ft)

3I08001-03 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Gasoline Range Organics	ND	25.5	mg/kg dry	1	P3I1008	09/10/23 10:08	09/11/23 08:59	EPA 8015M	
Diesel Range Organics	ND	25.5	mg/kg dry	1	P3I1008	09/10/23 10:08	09/11/23 08:59	EPA 8015M	
Oil Range Organics	ND	25.5	mg/kg dry	1	P3I1008	09/10/23 10:08	09/11/23 08:59	EPA 8015M	
Surrogate: 1-Chlorooctane	*54.1 %*	*70-130*			*P3I1008*	*09/10/23 10:08*	*09/11/23 08:59*	*EPA 8015M*	*S-GC*
Surrogate: o-Terphenyl	*72.9 %*	*70-130*			*P3I1008*	*09/10/23 10:08*	*09/11/23 08:59*	*EPA 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
% Moisture	**2.0**	0.1	%	1	P3I1108	09/11/23 08:11	09/11/23 08:12	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

DS-4 (3ft)

3I08001-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
Organics by GC									
Gasoline Range Organics	ND	27.2	mg/kg dry	1	P3I1008	09/10/23 10:08	09/11/23 09:24	EPA 8015M	
Diesel Range Organics	ND	27.2	mg/kg dry	1	P3I1008	09/10/23 10:08	09/11/23 09:24	EPA 8015M	
Oil Range Organics	ND	27.2	mg/kg dry	1	P3I1008	09/10/23 10:08	09/11/23 09:24	EPA 8015M	
Surrogate: 1-Chlorooctane		*69.0 %*	*70-130*		*P3I1008*	*09/10/23 10:08*	*09/11/23 09:24*	*EPA 8015M*	*S-GC*
Surrogate: o-Terphenyl		*96.2 %*	*70-130*		*P3I1008*	*09/10/23 10:08*	*09/11/23 09:24*	*EPA 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
% Moisture	**8.0**	0.1	%	1	P3I1108	09/11/23 08:11	09/11/23 08:12	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

DS-4 (3.5ft)

3I08001-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
Organics by GC									
Gasoline Range Organics	ND	26.6	mg/kg dry	1	P3I1008	09/10/23 10:08	09/11/23 09:50	EPA 8015M	
Diesel Range Organics	ND	26.6	mg/kg dry	1	P3I1008	09/10/23 10:08	09/11/23 09:50	EPA 8015M	
Oil Range Organics	ND	26.6	mg/kg dry	1	P3I1008	09/10/23 10:08	09/11/23 09:50	EPA 8015M	
Surrogate: 1-Chlorooctane	*78.4 %*	*70-130*			*P3I1008*	*09/10/23 10:08*	*09/11/23 09:50*	*EPA 8015M*	
Surrogate: o-Terphenyl	*108 %*	*70-130*			*P3I1008*	*09/10/23 10:08*	*09/11/23 09:50*	*EPA 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
% Moisture	**6.0**	0.1	%	1	P3I1108	09/11/23 08:11	09/11/23 08:12	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

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 P3I1008 - TX 1005										
Blank (P3I1008-BLK1)				Prepared: 09/10/23 Analyzed: 09/11/23						
Gasoline Range Organics	ND	25.0	mg/kg							
Diesel Range Organics	ND	25.0	"							
Oil Range Organics	ND	25.0	"							
Surrogate: 1-Chlorooctane	*82.4*		*"*	*100*		*82.4*	*70-130*			
Surrogate: o-Terphenyl	*56.9*		*"*	*50.0*		*114*	*70-130*			
LCS (P3I1008-BS1)				Prepared: 09/10/23 Analyzed: 09/11/23						
Gasoline Range Organics	894	25.0	mg/kg				75-125			
Diesel Range Organics	937	25.0	"	1000		93.7	75-125			
Surrogate: 1-Chlorooctane	*110*		*"*	*100*		*110*	*70-130*			
Surrogate: o-Terphenyl	*61.2*		*"*	*50.0*		*122*	*70-130*			
LCS Dup (P3I1008-BSD1)				Prepared: 09/10/23 Analyzed: 09/11/23						
Gasoline Range Organics	839	25.0	mg/kg				75-125		20	
Diesel Range Organics	899	25.0	"	1000		89.9	75-125	4.08	20	
Surrogate: 1-Chlorooctane	*99.3*		*"*	*100*		*99.3*	*70-130*			
Surrogate: o-Terphenyl	*58.0*		*"*	*50.0*		*116*	*70-130*			
Calibration Check (P3I1008-CCV1)				Prepared & Analyzed: 09/10/23						
Gasoline Range Organics	445	25.0	mg/kg	500		88.9	85-115			
Diesel Range Organics	494	25.0	"	500		98.7	85-115			
Surrogate: 1-Chlorooctane	*92.6*		*"*	*100*		*92.6*	*85-115*			
Surrogate: o-Terphenyl	*54.1*		*"*	*50.0*		*108*	*85-115*			
Calibration Check (P3I1008-CCV2)				Prepared: 09/10/23 Analyzed: 09/11/23						
Gasoline Range Organics	444	25.0	mg/kg	500		88.9	85-115			
Diesel Range Organics	522	25.0	"	500		104	85-115			
Surrogate: 1-Chlorooctane	*93.4*		*"*	*100*		*93.4*	*85-115*			
Surrogate: o-Terphenyl	*56.5*		*"*	*50.0*		*113*	*85-115*			

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

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 P3I1008 - TX 1005										
Calibration Check (P3I1008-CCV3)				Prepared: 09/10/23 Analyzed: 09/11/23						
Gasoline Range Organics	438	25.0	mg/kg	500		87.7	85-115			
Diesel Range Organics	501	25.0	"	500		100	85-115			
Surrogate: 1-Chlorooctane	*93.2*		*"*	*100*		*93.2*	*85-115*			
Surrogate: o-Terphenyl	*53.7*		*"*	*50.0*		*107*	*85-115*			
Duplicate (P3I1008-DUP1)		**Source: 3I08004-02**		Prepared: 09/10/23 Analyzed: 09/11/23						
Gasoline Range Organics	48.7	25.0	mg/kg dry		45.9			5.81	20	
Diesel Range Organics	349	25.0	"		325			6.96	20	
Surrogate: 1-Chlorooctane	*76.1*		*"*	*100*		*76.1*	*70-130*			
Surrogate: o-Terphenyl	*42.1*		*"*	*50.0*		*84.2*	*70-130*			

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

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 P3I1108 - * DEFAULT PREP *** **										
Blank (P3I1108-BLK1)				Prepared & Analyzed: 09/11/23						
% Moisture	ND	0.1	%							
Duplicate (P3I1108-DUP1)		**Source: 3I08005-01**		Prepared & Analyzed: 09/11/23						
% Moisture	ND	0.1	%		ND				20	
Duplicate (P3I1108-DUP2)		**Source: 3I08008-06**		Prepared & Analyzed: 09/11/23						
% Moisture	13.0	0.1	%		13.0			0.00	20	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

Notes and Definitions

S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
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: Brent Barron Date: 9/11/2023

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____ W: _____

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701
Phone: 432-686-7235

Project Manager: Nate Reece
Company Name: GHD
Company Address: 2135 S Loop 250 W
City/State/Zip: Midland, TX, 79703
Telephone No: 432-967-6850
Fax No:
Sampler Signature: D Fowler
e-mail: nate.reece@ghd.com

Project Name: South Bell Lake 263H Release
Project #: 12622000
Project Loc: Eunice, NM
PO #:
Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only) **ORDER #:** 3I08001

Analyze For:
TCLP:
TOTAL:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge / GW = Groundwater S=Soil/Solid / NP=Non-Potable Specify Other	TPH: TX 1005 TX 1006	Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	TPH (New Mexico)	GRO DRO 8015 M	RUSH TAT (Pre-Schedule) (24, 48, 72 h)	Standard TAT
1	DS-1 (3 ft)			9-7-23																X		24	
2	DS-1 (4 ft)			"																"		"	
3	DS-2 (3 ft)			"																"		"	
4	DS-4 (3 ft)			"																"		"	
5	DS-4 (3.5 ft)			"																"		"	

Special Instructions: Please email results to Khudgens@paalp.com

	Date	Time		Date	Time
Relinquished by: D Fowler	9-8-23	0850	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by PBEL:	9/8/23	0850

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?		N
by Courier? UPS DHL FedEx Lone Star		

Temperature Upon Receipt: L3
Received: 5.1 °C Thermometer:
Adjusted: 5.1 °C Factor: WCF

PBEL_COC_2021_1 Revision #: 2021_1 Effective Date: 9-21-21 Page __ of __

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

PBELAB

Analytical Report

Prepared for:

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

Project: South Bell Lake 263H Release
Project Number: 12622000
Location: Eunice, NM

Lab Order Number: 3I19011

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 09/20/23

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS-1 @ 1'	3I19011-01	Soil	09/18/23 11:40	09-19-2023 09:40
CS-2 @ 1'	3I19011-02	Soil	09/18/23 12:30	09-19-2023 09:40
CS-3 @ 1'	3I19011-03	Soil	09/18/23 12:55	09-19-2023 09:40
CS-4 @ 1'	3I19011-04	Soil	09/18/23 13:00	09-19-2023 09:40
CS-5 @ 1'	3I19011-05	Soil	09/18/23 13:30	09-19-2023 09:40
CS-6 @ 1'	3I19011-06	Soil	09/18/23 13:40	09-19-2023 09:40
SW-1 @ 0-1'	3I19011-07	Soil	09/18/23 13:45	09-19-2023 09:40
SW-2 @ 0-1'	3I19011-08	Soil	09/18/23 13:50	09-19-2023 09:40
SW-3 @ 0-1'	3I19011-09	Soil	09/18/23 14:20	09-19-2023 09:40

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

CS-1 @ 1'

3I19011-01 (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	P3I1906	09/19/23 10:08	09/19/23 13:30	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 13:30	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 13:30	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 13:30	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 13:30	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		*P3I1906*	*09/19/23 10:08*	*09/19/23 13:30*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*94.9 %*	*80-120*		*P3I1906*	*09/19/23 10:08*	*09/19/23 13:30*	*EPA 8021B*	
Organics by GC									
Gasoline Range Organics	ND	25.8	mg/kg dry	1	P3I1908	09/19/23 14:00	09/20/23 11:39	EPA 8015M	
Diesel Range Organics	**198**	25.8	mg/kg dry	1	P3I1908	09/19/23 14:00	09/20/23 11:39	EPA 8015M	
Oil Range Organics	**35.1**	25.8	mg/kg dry	1	P3I1908	09/19/23 14:00	09/20/23 11:39	EPA 8015M	
Surrogate: 1-Chlorooctane		*96.3 %*	*70-130*		*P3I1908*	*09/19/23 14:00*	*09/20/23 11:39*	*EPA 8015M*	
Surrogate: o-Terphenyl		*105 %*	*70-130*		*P3I1908*	*09/19/23 14:00*	*09/20/23 11:39*	*EPA 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**916**	1.03	mg/kg dry	1	P3I1910	09/19/23 15:00	09/19/23 21:36	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P3I2011	09/20/23 10:31	09/20/23 10:43	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

CS-2 @ 1'

3I19011-02 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 13:55	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 13:55	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 13:55	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 13:55	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 13:55	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*95.4 %*	*80-120*		*P3I1906*	*09/19/23 10:08*	*09/19/23 13:55*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		*P3I1906*	*09/19/23 10:08*	*09/19/23 13:55*	*EPA 8021B*	
Organics by GC									
Gasoline Range Organics	ND	25.8	mg/kg dry	1	P3I1908	09/19/23 14:00	09/20/23 12:03	EPA 8015M	
Diesel Range Organics	ND	25.8	mg/kg dry	1	P3I1908	09/19/23 14:00	09/20/23 12:03	EPA 8015M	
Oil Range Organics	ND	25.8	mg/kg dry	1	P3I1908	09/19/23 14:00	09/20/23 12:03	EPA 8015M	
Surrogate: 1-Chlorooctane		*101 %*	*70-130*		*P3I1908*	*09/19/23 14:00*	*09/20/23 12:03*	*EPA 8015M*	
Surrogate: o-Terphenyl		*111 %*	*70-130*		*P3I1908*	*09/19/23 14:00*	*09/20/23 12:03*	*EPA 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**18.8**	1.03	mg/kg dry	1	P3I1910	09/19/23 15:00	09/19/23 21:50	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P3I2011	09/20/23 10:31	09/20/23 10:43	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

CS-3 @ 1'

3I19011-03 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 14:19	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 14:19	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 14:19	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 14:19	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 14:19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*94.8 %*	*80-120*		*P3I1906*	*09/19/23 10:08*	*09/19/23 14:19*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		*P3I1906*	*09/19/23 10:08*	*09/19/23 14:19*	*EPA 8021B*	
Organics by GC									
Gasoline Range Organics	**27.8**	25.5	mg/kg dry	1	P3I1908	09/19/23 14:00	09/20/23 12:27	EPA 8015M	
Diesel Range Organics	**357**	25.5	mg/kg dry	1	P3I1908	09/19/23 14:00	09/20/23 12:27	EPA 8015M	
Oil Range Organics	**59.4**	25.5	mg/kg dry	1	P3I1908	09/19/23 14:00	09/20/23 12:27	EPA 8015M	
Surrogate: 1-Chlorooctane		*93.2 %*	*70-130*		*P3I1908*	*09/19/23 14:00*	*09/20/23 12:27*	*EPA 8015M*	
Surrogate: o-Terphenyl		*102 %*	*70-130*		*P3I1908*	*09/19/23 14:00*	*09/20/23 12:27*	*EPA 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**26.2**	1.02	mg/kg dry	1	P3I1910	09/19/23 15:00	09/19/23 22:33	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P3I2011	09/20/23 10:31	09/20/23 10:43	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

CS-4 @ 1'

3I19011-04 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 14:44	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 14:44	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 14:44	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 14:44	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 14:44	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*110 %*	*80-120*		*P3I1906*	*09/19/23 10:08*	*09/19/23 14:44*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*97.6 %*	*80-120*		*P3I1906*	*09/19/23 10:08*	*09/19/23 14:44*	*EPA 8021B*	
Organics by GC									
Gasoline Range Organics	ND	25.8	mg/kg dry	1	P3I1909	09/19/23 17:00	09/20/23 12:35	EPA 8015M	
Diesel Range Organics	ND	25.8	mg/kg dry	1	P3I1909	09/19/23 17:00	09/20/23 12:35	EPA 8015M	
Oil Range Organics	ND	25.8	mg/kg dry	1	P3I1909	09/19/23 17:00	09/20/23 12:35	EPA 8015M	
Surrogate: 1-Chlorooctane		*79.7 %*	*70-130*		*P3I1909*	*09/19/23 17:00*	*09/20/23 12:35*	*EPA 8015M*	
Surrogate: o-Terphenyl		*95.5 %*	*70-130*		*P3I1909*	*09/19/23 17:00*	*09/20/23 12:35*	*EPA 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**36.8**	1.03	mg/kg dry	1	P3I1910	09/19/23 15:00	09/19/23 23:16	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P3I2011	09/20/23 10:31	09/20/23 10:43	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

CS-5 @ 1'

3I19011-05 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 15:08	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 15:08	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 15:08	EPA 8021B	
Xylene (p/m)	**0.00329**	0.00206	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 15:08	EPA 8021B	
Xylene (o)	**0.00124**	0.00103	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 15:08	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*95.0 %*	*80-120*		*P3I1906*	*09/19/23 10:08*	*09/19/23 15:08*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		*P3I1906*	*09/19/23 10:08*	*09/19/23 15:08*	*EPA 8021B*	
Organics by GC									
Gasoline Range Organics	ND	25.8	mg/kg dry	1	P3I1909	09/19/23 17:00	09/20/23 13:01	EPA 8015M	
Diesel Range Organics	**441**	25.8	mg/kg dry	1	P3I1909	09/19/23 17:00	09/20/23 13:01	EPA 8015M	
Oil Range Organics	**80.8**	25.8	mg/kg dry	1	P3I1909	09/19/23 17:00	09/20/23 13:01	EPA 8015M	
Surrogate: 1-Chlorooctane		*84.2 %*	*70-130*		*P3I1909*	*09/19/23 17:00*	*09/20/23 13:01*	*EPA 8015M*	
Surrogate: o-Terphenyl		*100 %*	*70-130*		*P3I1909*	*09/19/23 17:00*	*09/20/23 13:01*	*EPA 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**69.5**	1.03	mg/kg dry	1	P3I1910	09/19/23 15:00	09/19/23 23:30	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P3I2011	09/20/23 10:31	09/20/23 10:43	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

CS-6 @ 1'

3I19011-06 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 15:33	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 15:33	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 15:33	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 15:33	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 15:33	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*114 %*	*80-120*		*P3I1906*	*09/19/23 10:08*	*09/19/23 15:33*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*97.0 %*	*80-120*		*P3I1906*	*09/19/23 10:08*	*09/19/23 15:33*	*EPA 8021B*	
Organics by GC									
Gasoline Range Organics	ND	25.3	mg/kg dry	1	P3I1909	09/19/23 17:00	09/20/23 13:28	EPA 8015M	
Diesel Range Organics	ND	25.3	mg/kg dry	1	P3I1909	09/19/23 17:00	09/20/23 13:28	EPA 8015M	
Oil Range Organics	ND	25.3	mg/kg dry	1	P3I1909	09/19/23 17:00	09/20/23 13:28	EPA 8015M	
Surrogate: 1-Chlorooctane		*86.0 %*	*70-130*		*P3I1909*	*09/19/23 17:00*	*09/20/23 13:28*	*EPA 8015M*	
Surrogate: o-Terphenyl		*101 %*	*70-130*		*P3I1909*	*09/19/23 17:00*	*09/20/23 13:28*	*EPA 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**15.0**	1.01	mg/kg dry	1	P3I1910	09/19/23 15:00	09/19/23 23:44	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P3I2011	09/20/23 10:31	09/20/23 10:43	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

SW-1 @ 0-1'

3I19011-07 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 15:57	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 15:57	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 15:57	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 15:57	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 15:57	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*96.2 %*	*80-120*		*P3I1906*	*09/19/23 10:08*	*09/19/23 15:57*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		*P3I1906*	*09/19/23 10:08*	*09/19/23 15:57*	*EPA 8021B*	
Organics by GC									
Gasoline Range Organics	ND	25.3	mg/kg dry	1	P3I1909	09/19/23 17:00	09/20/23 13:55	EPA 8015M	
Diesel Range Organics	ND	25.3	mg/kg dry	1	P3I1909	09/19/23 17:00	09/20/23 13:55	EPA 8015M	
Oil Range Organics	ND	25.3	mg/kg dry	1	P3I1909	09/19/23 17:00	09/20/23 13:55	EPA 8015M	
Surrogate: 1-Chlorooctane		*89.4 %*	*70-130*		*P3I1909*	*09/19/23 17:00*	*09/20/23 13:55*	*EPA 8015M*	
Surrogate: o-Terphenyl		*107 %*	*70-130*		*P3I1909*	*09/19/23 17:00*	*09/20/23 13:55*	*EPA 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**23.5**	1.01	mg/kg dry	1	P3I1910	09/19/23 15:00	09/19/23 23:59	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P3I2011	09/20/23 10:31	09/20/23 10:43	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

SW-2 @ 0-1'

3I19011-08 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 16:22	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 16:22	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 16:22	EPA 8021B	
Xylene (p/m)	**0.00493**	0.00204	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 16:22	EPA 8021B	
Xylene (o)	**0.00195**	0.00102	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 16:22	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*95.4 %*	*80-120*		*P3I1906*	*09/19/23 10:08*	*09/19/23 16:22*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		*P3I1906*	*09/19/23 10:08*	*09/19/23 16:22*	*EPA 8021B*	
Organics by GC									
Gasoline Range Organics	ND	25.5	mg/kg dry	1	P3I1909	09/19/23 17:00	09/20/23 14:22	EPA 8015M	
Diesel Range Organics	**289**	25.5	mg/kg dry	1	P3I1909	09/19/23 17:00	09/20/23 14:22	EPA 8015M	
Oil Range Organics	**56.3**	25.5	mg/kg dry	1	P3I1909	09/19/23 17:00	09/20/23 14:22	EPA 8015M	
Surrogate: 1-Chlorooctane		*90.4 %*	*70-130*		*P3I1909*	*09/19/23 17:00*	*09/20/23 14:22*	*EPA 8015M*	
Surrogate: o-Terphenyl		*108 %*	*70-130*		*P3I1909*	*09/19/23 17:00*	*09/20/23 14:22*	*EPA 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**104**	1.02	mg/kg dry	1	P3I1910	09/19/23 15:00	09/20/23 00:13	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P3I2011	09/20/23 10:31	09/20/23 10:43	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

SW-3 @ 0-1'

3I19011-09 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 16:46	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 16:46	EPA 8021B	
Ethylbenzene	**0.00466**	0.00101	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 16:46	EPA 8021B	
Xylene (p/m)	**0.0166**	0.00202	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 16:46	EPA 8021B	
Xylene (o)	**0.00843**	0.00101	mg/kg dry	1	P3I1906	09/19/23 10:08	09/19/23 16:46	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*114 %*	*80-120*		*P3I1906*	*09/19/23 10:08*	*09/19/23 16:46*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*94.4 %*	*80-120*		*P3I1906*	*09/19/23 10:08*	*09/19/23 16:46*	*EPA 8021B*	
Organics by GC									
Gasoline Range Organics	ND	25.3	mg/kg dry	1	P3I1909	09/19/23 17:00	09/20/23 14:50	EPA 8015M	
Diesel Range Organics	**106**	25.3	mg/kg dry	1	P3I1909	09/19/23 17:00	09/20/23 14:50	EPA 8015M	
Oil Range Organics	ND	25.3	mg/kg dry	1	P3I1909	09/19/23 17:00	09/20/23 14:50	EPA 8015M	
Surrogate: 1-Chlorooctane		*93.6 %*	*70-130*		*P3I1909*	*09/19/23 17:00*	*09/20/23 14:50*	*EPA 8015M*	
Surrogate: o-Terphenyl		*100 %*	*70-130*		*P3I1909*	*09/19/23 17:00*	*09/20/23 14:50*	*EPA 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**12.1**	1.01	mg/kg dry	1	P3I1910	09/19/23 15:00	09/20/23 00:27	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P3I2011	09/20/23 10:31	09/20/23 10:43	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

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 P3I1906 - * DEFAULT PREP *** **										
Blank (P3I1906-BLK1)				Prepared & Analyzed: 09/19/23						
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*		*95.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.123*		*"*	*0.120*		*103*	*80-120*			
LCS (P3I1906-BS1)				Prepared & Analyzed: 09/19/23						
Benzene	0.102	0.00100	mg/kg	0.100		102	80-120			
Toluene	0.0933	0.00100	"	0.100		93.3	80-120			
Ethylbenzene	0.0976	0.00100	"	0.100		97.6	80-120			
Xylene (p/m)	0.195	0.00200	"	0.200		97.7	80-120			
Xylene (o)	0.0868	0.00100	"	0.100		86.8	80-120			
Surrogate: 4-Bromofluorobenzene	*0.120*		*"*	*0.120*		*100*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.4*	*80-120*			
LCS Dup (P3I1906-BSD1)				Prepared & Analyzed: 09/19/23						
Benzene	0.110	0.00100	mg/kg	0.100		110	80-120	6.95	20	
Toluene	0.101	0.00100	"	0.100		101	80-120	7.71	20	
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120	8.44	20	
Xylene (p/m)	0.211	0.00200	"	0.200		105	80-120	7.48	20	
Xylene (o)	0.0937	0.00100	"	0.100		93.7	80-120	7.72	20	
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.119*		*"*	*0.120*		*99.2*	*80-120*			
Calibration Blank (P3I1906-CCB1)				Prepared & Analyzed: 09/19/23						
Benzene	0.130		ug/kg							
Toluene	0.190		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.240		"							
Xylene (o)	0.320		"							
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.3*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.123*		*"*	*0.120*		*102*	*80-120*			

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

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 P3I1906 - * DEFAULT PREP *** **										
Calibration Blank (P3I1906-CCB2)				Prepared & Analyzed: 09/19/23						
Benzene	0.120		ug/kg							
Toluene	0.180		"							
Ethylbenzene	0.0700		"							
Xylene (p/m)	0.130		"							
Xylene (o)	0.420		"							
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.3*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.126*		*"*	*0.120*		*105*	*80-120*			
Calibration Check (P3I1906-CCV1)				Prepared & Analyzed: 09/19/23						
Benzene	0.0912	0.00100	mg/kg	0.100		91.2	80-120			
Toluene	0.0902	0.00100	"	0.100		90.2	80-120			
Ethylbenzene	0.0936	0.00100	"	0.100		93.6	80-120			
Xylene (p/m)	0.199	0.00200	"	0.200		99.3	80-120			
Xylene (o)	0.0902	0.00100	"	0.100		90.2	80-120			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.7*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.120*		*"*	*0.120*		*99.9*	*75-125*			
Calibration Check (P3I1906-CCV2)				Prepared & Analyzed: 09/19/23						
Benzene	0.107	0.00100	mg/kg	0.100		107	80-120			
Toluene	0.110	0.00100	"	0.100		110	80-120			
Ethylbenzene	0.115	0.00100	"	0.100		115	80-120			
Xylene (p/m)	0.231	0.00200	"	0.200		116	80-120			
Xylene (o)	0.112	0.00100	"	0.100		112	80-120			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.5*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.132*		*"*	*0.120*		*110*	*75-125*			
Calibration Check (P3I1906-CCV3)				Prepared & Analyzed: 09/19/23						
Benzene	0.106	0.00100	mg/kg	0.100		106	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.111	0.00100	"	0.100		111	80-120			
Xylene (p/m)	0.223	0.00200	"	0.200		111	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 1,4-Difluorobenzene	*0.119*		*"*	*0.120*		*98.8*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.125*		*"*	*0.120*		*104*	*75-125*			

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

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 P3I1906 - * DEFAULT PREP *** **										
Matrix Spike (P3I1906-MS1)	**Source: 3I19011-01**			Prepared & Analyzed: 09/19/23						
Benzene	0.0985	0.00103	mg/kg dry	0.103	ND	95.5	80-120			
Toluene	0.0831	0.00103	"	0.103	ND	80.6	80-120			
Ethylbenzene	0.0738	0.00103	"	0.103	ND	71.6	80-120			QM-05
Xylene (p/m)	0.147	0.00206	"	0.206	0.00122	70.6	80-120			QM-05
Xylene (o)	0.0642	0.00103	"	0.103	ND	62.3	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	*0.129*		"	*0.124*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.121*		"	*0.124*		*98.0*	*80-120*			
Matrix Spike Dup (P3I1906-MSD1)	**Source: 3I19011-01**			Prepared & Analyzed: 09/19/23						
Benzene	0.0963	0.00103	mg/kg dry	0.103	ND	93.4	80-120	2.27	20	
Toluene	0.0796	0.00103	"	0.103	ND	77.2	80-120	4.26	20	QM-05
Ethylbenzene	0.0691	0.00103	"	0.103	ND	67.0	80-120	6.62	20	QM-05
Xylene (p/m)	0.137	0.00206	"	0.206	0.00122	66.1	80-120	6.72	20	QM-05
Xylene (o)	0.0589	0.00103	"	0.103	ND	57.1	80-120	8.68	20	QM-05
Surrogate: 4-Bromofluorobenzene	*0.131*		"	*0.124*		*106*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.121*		"	*0.124*		*98.1*	*80-120*			

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

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 P3I1908 - TX 1005										
Blank (P3I1908-BLK1)				Prepared: 09/19/23 Analyzed: 09/20/23						
Gasoline Range Organics	ND	25.0	mg/kg							
Diesel Range Organics	ND	25.0	"							
Oil Range Organics	ND	25.0	"							
Surrogate: 1-Chlorooctane	*103*		*"*	*100*		*103*	*70-130*			
Surrogate: o-Terphenyl	*56.9*		*"*	*50.0*		*114*	*70-130*			
LCS (P3I1908-BS1)				Prepared: 09/19/23 Analyzed: 09/20/23						
Gasoline Range Organics	1110	25.0	mg/kg				75-125			
Diesel Range Organics	1040	25.0	"	1000		104	75-125			
Surrogate: 1-Chlorooctane	*130*		*"*	*100*		*130*	*70-130*			
Surrogate: o-Terphenyl	*57.1*		*"*	*50.0*		*114*	*70-130*			
LCS Dup (P3I1908-BSD1)				Prepared: 09/19/23 Analyzed: 09/20/23						
Gasoline Range Organics	1110	25.0	mg/kg				75-125		20	
Diesel Range Organics	1030	25.0	"	1000		103	75-125	1.50	20	
Surrogate: 1-Chlorooctane	*127*		*"*	*100*		*127*	*70-130*			
Surrogate: o-Terphenyl	*55.5*		*"*	*50.0*		*111*	*70-130*			
Calibration Check (P3I1908-CCV1)				Prepared: 09/19/23 Analyzed: 09/20/23						
Gasoline Range Organics	524	25.0	mg/kg	500		105	85-115			
Diesel Range Organics	520	25.0	"	500		104	85-115			
Surrogate: 1-Chlorooctane	*108*		*"*	*100*		*108*	*85-115*			
Surrogate: o-Terphenyl	*53.4*		*"*	*50.0*		*107*	*85-115*			
Calibration Check (P3I1908-CCV2)				Prepared: 09/19/23 Analyzed: 09/20/23						
Gasoline Range Organics	549	25.0	mg/kg	500		110	85-115			
Diesel Range Organics	545	25.0	"	500		109	85-115			
Surrogate: 1-Chlorooctane	*116*		*"*	*100*		*116*	*85-115*			
Surrogate: o-Terphenyl	*55.8*		*"*	*50.0*		*112*	*85-115*			

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

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 P3I1908 - TX 1005										
Calibration Check (P3I1908-CCV3)				Prepared: 09/19/23 Analyzed: 09/20/23						
Gasoline Range Organics	536	25.0	mg/kg	500		107	85-115			
Diesel Range Organics	482	25.0	"	500		96.3	85-115			
Surrogate: 1-Chlorooctane	*112*		*"*	*100*		*112*	*85-115*			
Surrogate: o-Terphenyl	*52.8*		*"*	*50.0*		*106*	*85-115*			
Duplicate (P3I1908-DUP1)	**Source: 3I19011-03**			Prepared: 09/19/23 Analyzed: 09/20/23						
Gasoline Range Organics	28.1	25.5	mg/kg dry		27.8			0.914	20	
Diesel Range Organics	360	25.5	"		357			0.911	20	
Surrogate: 1-Chlorooctane	*92.8*		*"*	*102*		*91.0*	*70-130*			
Surrogate: o-Terphenyl	*51.5*		*"*	*51.0*		*101*	*70-130*			
Batch P3I1909 - TX 1005										
Blank (P3I1909-BLK1)				Prepared: 09/19/23 Analyzed: 09/20/23						
Gasoline Range Organics	ND	25.0	mg/kg							
Diesel Range Organics	ND	25.0	"							
Oil Range Organics	ND	25.0	"							
Surrogate: 1-Chlorooctane	*101*		*"*	*100*		*101*	*70-130*			
Surrogate: o-Terphenyl	*60.1*		*"*	*50.0*		*120*	*70-130*			
LCS (P3I1909-BS1)				Prepared: 09/19/23 Analyzed: 09/20/23						
Gasoline Range Organics	999	25.0	mg/kg				75-125			
Diesel Range Organics	1010	25.0	"	1000		101	75-125			
Surrogate: 1-Chlorooctane	*115*		*"*	*100*		*115*	*70-130*			
Surrogate: o-Terphenyl	*59.4*		*"*	*50.0*		*119*	*70-130*			
LCS Dup (P3I1909-BSD1)				Prepared: 09/19/23 Analyzed: 09/20/23						
Gasoline Range Organics	992	25.0	mg/kg				75-125		20	
Diesel Range Organics	990	25.0	"	1000		99.0	75-125	1.84	20	
Surrogate: 1-Chlorooctane	*113*		*"*	*100*		*113*	*70-130*			
Surrogate: o-Terphenyl	*57.1*		*"*	*50.0*		*114*	*70-130*			

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

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 P3I1909 - TX 1005										
Calibration Check (P3I1909-CCV1)				Prepared: 09/19/23 Analyzed: 09/20/23						
Gasoline Range Organics	523	25.0	mg/kg	500		105	85-115			
Diesel Range Organics	508	25.0	"	500		102	85-115			
Surrogate: 1-Chlorooctane	*106*		*"*	*100*		*106*	*85-115*			
Surrogate: o-Terphenyl	*54.8*		*"*	*50.0*		*110*	*85-115*			

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

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 P3I1910 - * DEFAULT PREP *** **										
Blank (P3I1910-BLK1)				Prepared & Analyzed: 09/19/23						
Chloride	ND	1.00	mg/kg							
LCS (P3I1910-BS1)				Prepared & Analyzed: 09/19/23						
Chloride	19.2		mg/kg	20.0		95.9	90-110			
LCS Dup (P3I1910-BSD1)				Prepared & Analyzed: 09/19/23						
Chloride	19.6		mg/kg	20.0		97.8	90-110	1.96	10	
Calibration Check (P3I1910-CCV1)				Prepared & Analyzed: 09/19/23						
Chloride	19.0		mg/kg	20.0		95.2	90-110			
Calibration Check (P3I1910-CCV2)				Prepared & Analyzed: 09/19/23						
Chloride	18.9		mg/kg	20.0		94.4	90-110			
Calibration Check (P3I1910-CCV3)				Prepared: 09/19/23 Analyzed: 09/20/23						
Chloride	19.3		mg/kg	20.0		96.5	90-110			
Matrix Spike (P3I1910-MS1)		**Source: 3I15008-02**		Prepared & Analyzed: 09/19/23						
Chloride	110		mg/kg	100	10.3	100	80-120			
Matrix Spike (P3I1910-MS2)		**Source: 3I19011-03**		Prepared & Analyzed: 09/19/23						
Chloride	95.2		mg/kg	100	0.513	94.7	80-120			
Matrix Spike Dup (P3I1910-MSD1)		**Source: 3I15008-02**		Prepared & Analyzed: 09/19/23						
Chloride	110		mg/kg	100	10.3	100	80-120	0.151	20	
Matrix Spike Dup (P3I1910-MSD2)		**Source: 3I19011-03**		Prepared & Analyzed: 09/19/23						
Chloride	95.9		mg/kg	100	0.513	95.4	80-120	0.746	20	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

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 P3I2011 - * DEFAULT PREP *** **										
Blank (P3I2011-BLK1)				Prepared & Analyzed: 09/20/23						
% Moisture	ND	0.1	%							
Blank (P3I2011-BLK2)				Prepared & Analyzed: 09/20/23						
% Moisture	ND	0.1	%							
Blank (P3I2011-BLK3)				Prepared & Analyzed: 09/20/23						
% Moisture	ND	0.1	%							
Blank (P3I2011-BLK4)				Prepared & Analyzed: 09/20/23						
% Moisture	ND	0.1	%							
Blank (P3I2011-BLK5)				Prepared & Analyzed: 09/20/23						
% Moisture	ND	0.1	%							
Duplicate (P3I2011-DUP1)	**Source: 3I19009-10**			Prepared & Analyzed: 09/20/23						
% Moisture	35.0	0.1	%		33.0			5.88	20	
Duplicate (P3I2011-DUP2)	**Source: 3I19009-20**			Prepared & Analyzed: 09/20/23						
% Moisture	15.0	0.1	%		14.0			6.90	20	
Duplicate (P3I2011-DUP3)	**Source: 3I19011-03**			Prepared & Analyzed: 09/20/23						
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P3I2011-DUP4)	**Source: 3I19013-03**			Prepared & Analyzed: 09/20/23						
% Moisture	8.0	0.1	%		8.0			0.00	20	
Duplicate (P3I2011-DUP5)	**Source: 3I19017-02**			Prepared & Analyzed: 09/20/23						
% Moisture	9.0	0.1	%		9.0			0.00	20	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

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 P3I2011 - * DEFAULT PREP *** **										
Duplicate (P3I2011-DUP6)	**Source: 3I19019-06**			Prepared & Analyzed: 09/20/23						
% Moisture	9.0	0.1	%		10.0			10.5	20	
Duplicate (P3I2011-DUP7)	**Source: 3I19026-01**			Prepared & Analyzed: 09/20/23						
% Moisture	3.0	0.1	%		4.0			28.6	20	
Duplicate (P3I2011-DUP8)	**Source: 3I19027-10**			Prepared & Analyzed: 09/20/23						
% Moisture	9.0	0.1	%		9.0			0.00	20	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

Notes and Definitions

ROI	Received on Ice
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.
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: Brent Barron Date: 9/20/2023

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____ W: _____

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701
Phone: 432-686-7235

Project Manager: Nate Reece
Company Name: GHD
Company Address: 2135 S Loop 250 W
City/State/Zip: Midland, TX, 79703
Telephone No: 432-967-6850
Sampler Signature: D Bowker

Project Name: South Bell Lake 263H Releas
Project #: 12622000
Project Loc: Rural Jal, NM
PO #: _____
Fax No: _____
Report Format: ☐ Standard ☐ TRRP ☐ NPDES
e-mail: nate.reece@ghd.com

(lab use only)
ORDER #: 3I19011

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 (Specify)	Matrix: DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: TX 1005	TX 1006	Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	TPH 8015M	BTEX	Chlorides	RUSH TAT (Pre-Schedule) 24, 48, 72 h	Standard TAT
1	CS-1		1	9-18-23	1140																	X	X	X	24	
2	CS-2				1230																					
3	CS-3				1255																					
4	CS-4				1300																					
5	CS-5				1330																					
6	CS-6				1340																					
7	SW-1	0	1		1345																					
8	SW-2	1	1		1350																					
9	SW-3				1420																					

Special Instructions: Please email results to karolanne.hudgens@plains.com

Relinquished by:	Date	Time	Received by:	Date	Time
D Bowker	9-19-23	0940			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL: Teresa Bledroe	9/19/23	9:40

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 5.7 °C Thermometor: NCF 13
Adjusted: °C Factor:

PBEL_COC_2021_1 Revision #: 2021_1 Effective Date: 9-21-21

Page 1 of 1

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

PBELAB

Analytical Report

Prepared for:

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

Project: South Bell Lake 263H Release
Project Number: 12622000
Location: Rural Jal, NM

Lab Order Number: 3I26028

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 09/29/23

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS-1A	3I26028-01	Soil	09/25/23 10:25	09-26-2023 15:00
CS-3A	3I26028-02	Soil	09/25/23 10:30	09-26-2023 15:00
CS-5A	3I26028-03	Soil	09/25/23 10:33	09-26-2023 15:00
SW-2A	3I26028-04	Soil	09/25/23 10:36	09-26-2023 15:00
SW-3A	3I26028-05	Soil	09/25/23 10:41	09-26-2023 15:00
SW-4	3I26028-06	Soil	09/25/23 11:25	09-26-2023 15:00
SW-5	3I26028-07	Soil	09/25/23 11:30	09-26-2023 15:00

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

CS-1A

3I26028-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00110	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 20:28	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 20:28	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 20:28	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 20:28	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 20:28	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*112 %*	*80-120*		*P3I2808*	*09/28/23 14:24*	*09/28/23 20:28*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.5 %*	*80-120*		*P3I2808*	*09/28/23 14:24*	*09/28/23 20:28*	*EPA 8021B*	
Xylenes (total)	ND	0.00220	mg/kg dry	1	[CALC]	09/28/23 14:24	09/28/23 20:28	EPA 8021B	
Total BTEX	ND	0.00110	mg/kg dry	1	[CALC]	09/28/23 14:24	09/28/23 20:28	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.5	mg/kg dry	1	P3I2804	09/28/23 08:00	09/28/23 18:35	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P3I2804	09/28/23 08:00	09/28/23 18:35	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P3I2804	09/28/23 08:00	09/28/23 18:35	TPH 8015M	
Surrogate: 1-Chlorooctane		*80.8 %*	*70-130*		*P3I2804*	*09/28/23 08:00*	*09/28/23 18:35*	*TPH 8015M*	
Surrogate: o-Terphenyl		*94.7 %*	*70-130*		*P3I2804*	*09/28/23 08:00*	*09/28/23 18:35*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	09/28/23 08:00	09/28/23 18:35	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**16.0**	1.10	mg/kg dry	1	P3I2707	09/27/23 15:51	09/28/23 23:10	EPA 300.0	
% Moisture	**9.0**	0.1	%	1	P3I2806	09/28/23 10:08	09/28/23 10:15	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

CS-3A

3I26028-02 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 20:53	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 20:53	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 20:53	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 20:53	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 20:53	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*110 %*	*80-120*		*P3I2808*	*09/28/23 14:24*	*09/28/23 20:53*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.0 %*	*80-120*		*P3I2808*	*09/28/23 14:24*	*09/28/23 20:53*	*EPA 8021B*	
Xylenes (total)	ND	0.00215	mg/kg dry	1	[CALC]	09/28/23 14:24	09/28/23 20:53	EPA 8021B	
Total BTEX	ND	0.00108	mg/kg dry	1	[CALC]	09/28/23 14:24	09/28/23 20:53	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P3I2804	09/28/23 08:00	09/28/23 18:59	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P3I2804	09/28/23 08:00	09/28/23 18:59	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P3I2804	09/28/23 08:00	09/28/23 18:59	TPH 8015M	
Surrogate: 1-Chlorooctane		*82.9 %*	*70-130*		*P3I2804*	*09/28/23 08:00*	*09/28/23 18:59*	*TPH 8015M*	
Surrogate: o-Terphenyl		*93.1 %*	*70-130*		*P3I2804*	*09/28/23 08:00*	*09/28/23 18:59*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	09/28/23 08:00	09/28/23 18:59	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**12.3**	1.08	mg/kg dry	1	P3I2707	09/27/23 15:51	09/28/23 23:24	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P3I2806	09/28/23 10:08	09/28/23 10:15	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

CS-5A

3I26028-03 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00123	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 21:17	EPA 8021B	
Toluene	ND	0.00123	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 21:17	EPA 8021B	
Ethylbenzene	ND	0.00123	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 21:17	EPA 8021B	
Xylene (p/m)	ND	0.00247	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 21:17	EPA 8021B	
Xylene (o)	ND	0.00123	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 21:17	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*113 %*	*80-120*		*P3I2808*	*09/28/23 14:24*	*09/28/23 21:17*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.3 %*	*80-120*		*P3I2808*	*09/28/23 14:24*	*09/28/23 21:17*	*EPA 8021B*	
Xylenes (total)	ND	0.00247	mg/kg dry	1	[CALC]	09/28/23 14:24	09/28/23 21:17	EPA 8021B	
Total BTEX	ND	0.00123	mg/kg dry	1	[CALC]	09/28/23 14:24	09/28/23 21:17	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	30.9	mg/kg dry	1	P3I2804	09/28/23 08:00	09/28/23 19:23	TPH 8015M	
>C12-C28	ND	30.9	mg/kg dry	1	P3I2804	09/28/23 08:00	09/28/23 19:23	TPH 8015M	
>C28-C35	ND	30.9	mg/kg dry	1	P3I2804	09/28/23 08:00	09/28/23 19:23	TPH 8015M	
Surrogate: 1-Chlorooctane		*94.5 %*	*70-130*		*P3I2804*	*09/28/23 08:00*	*09/28/23 19:23*	*TPH 8015M*	
Surrogate: o-Terphenyl		*105 %*	*70-130*		*P3I2804*	*09/28/23 08:00*	*09/28/23 19:23*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	30.9	mg/kg dry	1	[CALC]	09/28/23 08:00	09/28/23 19:23	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**50.0**	1.23	mg/kg dry	1	P3I2707	09/27/23 15:51	09/29/23 00:07	EPA 300.0	
% Moisture	**19.0**	0.1	%	1	P3I2806	09/28/23 10:08	09/28/23 10:15	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

SW-2A

3I26028-04 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 21:41	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 21:41	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 21:41	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 21:41	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 21:41	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*96.0 %*	*80-120*		*P3I2808*	*09/28/23 14:24*	*09/28/23 21:41*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*110 %*	*80-120*		*P3I2808*	*09/28/23 14:24*	*09/28/23 21:41*	*EPA 8021B*	
Xylenes (total)	ND	0.00208	mg/kg dry	1	[CALC]	09/28/23 14:24	09/28/23 21:41	EPA 8021B	
Total BTEX	ND	0.00104	mg/kg dry	1	[CALC]	09/28/23 14:24	09/28/23 21:41	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P3I2804	09/28/23 08:00	09/28/23 19:48	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P3I2804	09/28/23 08:00	09/28/23 19:48	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P3I2804	09/28/23 08:00	09/28/23 19:48	TPH 8015M	
Surrogate: 1-Chlorooctane		*73.5 %*	*70-130*		*P3I2804*	*09/28/23 08:00*	*09/28/23 19:48*	*TPH 8015M*	
Surrogate: o-Terphenyl		*80.3 %*	*70-130*		*P3I2804*	*09/28/23 08:00*	*09/28/23 19:48*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	09/28/23 08:00	09/28/23 19:48	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**16.6**	1.04	mg/kg dry	1	P3I2707	09/27/23 15:51	09/29/23 00:50	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P3I2806	09/28/23 10:08	09/28/23 10:15	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

SW-3A

3I26028-05 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00111	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 22:06	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 22:06	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 22:06	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 22:06	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 22:06	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*111 %*	*80-120*		*P3I2808*	*09/28/23 14:24*	*09/28/23 22:06*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.5 %*	*80-120*		*P3I2808*	*09/28/23 14:24*	*09/28/23 22:06*	*EPA 8021B*	
Xylenes (total)	ND	0.00222	mg/kg dry	1	[CALC]	09/28/23 14:24	09/28/23 22:06	EPA 8021B	
Total BTEX	ND	0.00111	mg/kg dry	1	[CALC]	09/28/23 14:24	09/28/23 22:06	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.8	mg/kg dry	1	P3I2804	09/28/23 08:00	09/28/23 20:12	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P3I2804	09/28/23 08:00	09/28/23 20:12	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P3I2804	09/28/23 08:00	09/28/23 20:12	TPH 8015M	
Surrogate: 1-Chlorooctane		*92.8 %*	*70-130*		*P3I2804*	*09/28/23 08:00*	*09/28/23 20:12*	*TPH 8015M*	
Surrogate: o-Terphenyl		*102 %*	*70-130*		*P3I2804*	*09/28/23 08:00*	*09/28/23 20:12*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	09/28/23 08:00	09/28/23 20:12	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**19.5**	1.11	mg/kg dry	1	P3I2707	09/27/23 15:51	09/29/23 01:04	EPA 300.0	
% Moisture	**10.0**	0.1	%	1	P3I2806	09/28/23 10:08	09/28/23 10:15	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

SW-4

3I26028-06 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 22:30	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 22:30	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 22:30	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 22:30	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 22:30	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*111 %*	*80-120*		*P3I2808*	*09/28/23 14:24*	*09/28/23 22:30*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.8 %*	*80-120*		*P3I2808*	*09/28/23 14:24*	*09/28/23 22:30*	*EPA 8021B*	
Xylenes (total)	ND	0.00208	mg/kg dry	1	[CALC]	09/28/23 14:24	09/28/23 22:30	EPA 8021B	
Total BTEX	ND	0.00104	mg/kg dry	1	[CALC]	09/28/23 14:24	09/28/23 22:30	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P3I2804	09/28/23 08:00	09/28/23 20:36	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P3I2804	09/28/23 08:00	09/28/23 20:36	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P3I2804	09/28/23 08:00	09/28/23 20:36	TPH 8015M	
Surrogate: 1-Chlorooctane		*89.6 %*	*70-130*		*P3I2804*	*09/28/23 08:00*	*09/28/23 20:36*	*TPH 8015M*	
Surrogate: o-Terphenyl		*100 %*	*70-130*		*P3I2804*	*09/28/23 08:00*	*09/28/23 20:36*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	09/28/23 08:00	09/28/23 20:36	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**10.9**	1.04	mg/kg dry	1	P3I2707	09/27/23 15:51	09/29/23 01:19	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P3I2806	09/28/23 10:08	09/28/23 10:15	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

SW-5

3I26028-07 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00127	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 23:43	EPA 8021B	
Toluene	ND	0.00127	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 23:43	EPA 8021B	
Ethylbenzene	ND	0.00127	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 23:43	EPA 8021B	
Xylene (p/m)	ND	0.00253	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 23:43	EPA 8021B	
Xylene (o)	ND	0.00127	mg/kg dry	1	P3I2808	09/28/23 14:24	09/28/23 23:43	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*95.8 %*	*80-120*		*P3I2808*	*09/28/23 14:24*	*09/28/23 23:43*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*110 %*	*80-120*		*P3I2808*	*09/28/23 14:24*	*09/28/23 23:43*	*EPA 8021B*	
Xylenes (total)	ND	0.00253	mg/kg dry	1	[CALC]	09/28/23 14:24	09/28/23 23:43	EPA 8021B	
Total BTEX	ND	0.00127	mg/kg dry	1	[CALC]	09/28/23 14:24	09/28/23 23:43	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	31.6	mg/kg dry	1	P3I2804	09/28/23 08:00	09/28/23 20:59	TPH 8015M	
>C12-C28	ND	31.6	mg/kg dry	1	P3I2804	09/28/23 08:00	09/28/23 20:59	TPH 8015M	
>C28-C35	ND	31.6	mg/kg dry	1	P3I2804	09/28/23 08:00	09/28/23 20:59	TPH 8015M	
Surrogate: 1-Chlorooctane		*88.8 %*	*70-130*		*P3I2804*	*09/28/23 08:00*	*09/28/23 20:59*	*TPH 8015M*	
Surrogate: o-Terphenyl		*101 %*	*70-130*		*P3I2804*	*09/28/23 08:00*	*09/28/23 20:59*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	31.6	mg/kg dry	1	[CALC]	09/28/23 08:00	09/28/23 20:59	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**16.6**	1.27	mg/kg dry	1	P3I2707	09/27/23 15:51	09/29/23 01:33	EPA 300.0	
% Moisture	**21.0**	0.1	%	1	P3I2806	09/28/23 10:08	09/28/23 10:15	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

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 P3I2808 - * DEFAULT PREP *** **										
Blank (P3I2808-BLK1)				Prepared & Analyzed: 09/28/23						
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: 4-Bromofluorobenzene	*0.129*		"	*0.120*		*108*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		"	*0.120*		*94.6*	*80-120*			
LCS (P3I2808-BS1)				Prepared & Analyzed: 09/28/23						
Benzene	0.100	0.00100	mg/kg	0.100		100	80-120			
Toluene	0.0931	0.00100	"	0.100		93.1	80-120			
Ethylbenzene	0.0985	0.00100	"	0.100		98.5	80-120			
Xylene (p/m)	0.193	0.00200	"	0.200		96.6	80-120			
Xylene (o)	0.0846	0.00100	"	0.100		84.6	80-120			
Surrogate: 4-Bromofluorobenzene	*0.126*		"	*0.120*		*105*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		"	*0.120*		*95.2*	*80-120*			
LCS Dup (P3I2808-BSD1)				Prepared & Analyzed: 09/28/23						
Benzene	0.111	0.00100	mg/kg	0.100		111	80-120	10.5	20	
Toluene	0.105	0.00100	"	0.100		105	80-120	11.7	20	
Ethylbenzene	0.111	0.00100	"	0.100		111	80-120	11.9	20	
Xylene (p/m)	0.215	0.00200	"	0.200		107	80-120	10.7	20	
Xylene (o)	0.0960	0.00100	"	0.100		96.0	80-120	12.6	20	
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*95.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.125*		"	*0.120*		*104*	*80-120*			
Calibration Blank (P3I2808-CCB1)				Prepared & Analyzed: 09/28/23						
Benzene	0.120		ug/kg							
Toluene	0.190		"							
Ethylbenzene	0.100		"							
Xylene (p/m)	0.180		"							
Xylene (o)	0.270		"							
Surrogate: 4-Bromofluorobenzene	*0.127*		"	*0.120*		*106*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		"	*0.120*		*94.6*	*80-120*			

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

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 P3I2808 - * DEFAULT PREP *** **										
Calibration Blank (P3I2808-CCB2)				Prepared & Analyzed: 09/28/23						
Benzene	0.240		ug/kg							
Toluene	0.340		"							
Ethylbenzene	0.180		"							
Xylene (p/m)	0.180		"							
Xylene (o)	0.0800		"							
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.133*		*"*	*0.120*		*111*	*80-120*			
Calibration Check (P3I2808-CCV1)				Prepared & Analyzed: 09/28/23						
Benzene	0.104	0.00100	mg/kg	0.100		104	80-120			
Toluene	0.0971	0.00100	"	0.100		97.1	80-120			
Ethylbenzene	0.0976	0.00100	"	0.100		97.6	80-120			
Xylene (p/m)	0.200	0.00200	"	0.200		100	80-120			
Xylene (o)	0.0898	0.00100	"	0.100		89.8	80-120			
Surrogate: 1,4-Difluorobenzene	*0.114*		*"*	*0.120*		*94.8*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.125*		*"*	*0.120*		*104*	*75-125*			
Calibration Check (P3I2808-CCV2)				Prepared & Analyzed: 09/28/23						
Benzene	0.117	0.00100	mg/kg	0.100		117	80-120			
Toluene	0.109	0.00100	"	0.100		109	80-120			
Ethylbenzene	0.108	0.00100	"	0.100		108	80-120			
Xylene (p/m)	0.220	0.00200	"	0.200		110	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*97.0*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.129*		*"*	*0.120*		*107*	*75-125*			
Calibration Check (P3I2808-CCV3)				Prepared: 09/28/23 Analyzed: 09/29/23						
Benzene	0.118	0.00100	mg/kg	0.100		118	80-120			
Toluene	0.110	0.00100	"	0.100		110	80-120			
Ethylbenzene	0.108	0.00100	"	0.100		108	80-120			
Xylene (p/m)	0.216	0.00200	"	0.200		108	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.4*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.129*		*"*	*0.120*		*108*	*75-125*			

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

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 P3I2808 - * DEFAULT PREP *** **										
Matrix Spike Dup (P3I2808-MSD1)	**Source: 3I26007-05**			Prepared: 09/28/23 Analyzed: 09/29/23						
Benzene	0.0718	0.00102	mg/kg dry	0.102	ND	70.3	80-120		20	QM-05
Toluene	0.0502	0.00102	"	0.102	ND	49.2	80-120		20	QM-05
Ethylbenzene	0.0339	0.00102	"	0.102	ND	33.2	80-120		20	QM-05
Xylene (p/m)	0.0643	0.00204	"	0.204	ND	31.5	80-120		20	QM-05
Xylene (o)	0.0300	0.00102	"	0.102	ND	29.4	80-120		20	QM-05
Surrogate: 4-Bromofluorobenzene	*0.140*		*"*	*0.122*		*114*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.113*		*"*	*0.122*		*92.3*	*80-120*			

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

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 P3I2804 - TX 1005										
Blank (P3I2804-BLK1)				Prepared & Analyzed: 09/28/23						
C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*90.6*		*"*	*100*		*90.6*	*70-130*			
Surrogate: o-Terphenyl	*50.8*		*"*	*50.0*		*102*	*70-130*			
LCS (P3I2804-BS1)				Prepared & Analyzed: 09/28/23						
C6-C12	960	25.0	mg/kg	1000		96.0	75-125			
>C12-C28	916	25.0	"	1000		91.6	75-125			
Surrogate: 1-Chlorooctane	*116*		*"*	*100*		*116*	*70-130*			
Surrogate: o-Terphenyl	*53.7*		*"*	*50.0*		*107*	*70-130*			
LCS Dup (P3I2804-BSD1)				Prepared & Analyzed: 09/28/23						
C6-C12	946	25.0	mg/kg	1000		94.6	75-125	1.48	20	
>C12-C28	890	25.0	"	1000		89.0	75-125	2.87	20	
Surrogate: 1-Chlorooctane	*118*		*"*	*100*		*118*	*70-130*			
Surrogate: o-Terphenyl	*54.2*		*"*	*50.0*		*108*	*70-130*			
Calibration Check (P3I2804-CCV1)				Prepared & Analyzed: 09/28/23						
C6-C12	643	25.0	mg/kg	600		107	85-115			
>C12-C28	607	25.0	"	600		101	85-115			
Surrogate: 1-Chlorooctane	*112*		*"*	*100*		*112*	*70-130*			
Surrogate: o-Terphenyl	*55.5*		*"*	*50.0*		*111*	*70-130*			
Calibration Check (P3I2804-CCV2)				Prepared & Analyzed: 09/28/23						
C6-C12	571	25.0	mg/kg	600		95.2	85-115			
>C12-C28	562	25.0	"	600		93.6	85-115			
Surrogate: 1-Chlorooctane	*102*		*"*	*100*		*102*	*70-130*			
Surrogate: o-Terphenyl	*48.0*		*"*	*50.0*		*96.1*	*70-130*			

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

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 P3I2804 - TX 1005										
Duplicate (P3I2804-DUP1)	**Source: 3I27014-02**		Prepared & Analyzed: 09/28/23							
C6-C12	18.6	28.4	mg/kg dry		21.0			12.3	20	
>C12-C28	11.5	28.4	"		ND				20	
Surrogate: 1-Chlorooctane	*106*		*"*	*114*		*93.2*	*70-130*			
Surrogate: o-Terphenyl	*60.4*		*"*	*56.8*		*106*	*70-130*			

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

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 P3I2707 - * DEFAULT PREP *** **										
Blank (P3I2707-BLK1)				Prepared: 09/27/23 Analyzed: 09/28/23						
Chloride	ND	1.00	mg/kg							
LCS (P3I2707-BS1)				Prepared: 09/27/23 Analyzed: 09/28/23						
Chloride	19.0		mg/kg	20.0		95.2	90-110			
LCS Dup (P3I2707-BSD1)				Prepared: 09/27/23 Analyzed: 09/28/23						
Chloride	18.0		mg/kg	20.0		90.0	90-110	5.55	10	
Calibration Check (P3I2707-CCV1)				Prepared: 09/27/23 Analyzed: 09/29/23						
Chloride	18.4		mg/kg	20.0		92.2	90-110			
Calibration Check (P3I2707-CCV2)				Prepared: 09/27/23 Analyzed: 09/29/23						
Chloride	21.9		mg/kg	20.0		110	90-110			
Matrix Spike (P3I2707-MS1)		**Source: 3I26024-01**		Prepared: 09/27/23 Analyzed: 09/28/23						
Chloride	55100	1.05	mg/kg dry	52600	8310	88.8	80-120			
Matrix Spike (P3I2707-MS2)		**Source: 3I26028-03**		Prepared: 09/27/23 Analyzed: 09/29/23						
Chloride	5720	1.23	mg/kg dry	6170	50.0	91.9	80-120			
Matrix Spike Dup (P3I2707-MSD1)		**Source: 3I26024-01**		Prepared: 09/27/23 Analyzed: 09/28/23						
Chloride	56200	1.05	mg/kg dry	52600	8310	90.9	80-120	1.99	20	
Matrix Spike Dup (P3I2707-MSD2)		**Source: 3I26028-03**		Prepared: 09/27/23 Analyzed: 09/29/23						
Chloride	5500	1.23	mg/kg dry	6170	50.0	88.4	80-120	3.87	20	
Batch P3I2806 - * DEFAULT PREP *** **										
Blank (P3I2806-BLK1)				Prepared & Analyzed: 09/28/23						
% Moisture	ND	0.1	%							

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

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 P3I2806 - * DEFAULT PREP *** **										
Blank (P3I2806-BLK2)				Prepared & Analyzed: 09/28/23						
% Moisture	ND	0.1	%							
Blank (P3I2806-BLK3)				Prepared & Analyzed: 09/28/23						
% Moisture	ND	0.1	%							
Blank (P3I2806-BLK4)				Prepared & Analyzed: 09/28/23						
% Moisture	ND	0.1	%							
Duplicate (P3I2806-DUP1)		**Source: 3I26026-02**		Prepared & Analyzed: 09/28/23						
% Moisture	13.0	0.1	%		14.0			7.41	20	
Duplicate (P3I2806-DUP2)		**Source: 3I26027-03**		Prepared & Analyzed: 09/28/23						
% Moisture	3.0	0.1	%		3.0			0.00	20	
Duplicate (P3I2806-DUP3)		**Source: 3I27003-06**		Prepared & Analyzed: 09/28/23						
% Moisture	3.0	0.1	%		3.0			0.00	20	
Duplicate (P3I2806-DUP4)		**Source: 3I27003-16**		Prepared & Analyzed: 09/28/23						
% Moisture	8.0	0.1	%		7.0			13.3	20	
Duplicate (P3I2806-DUP5)		**Source: 3I26025-10**		Prepared & Analyzed: 09/28/23						
% Moisture	7.0	0.1	%		7.0			0.00	20	
Duplicate (P3I2806-DUP6)		**Source: 3I27005-03**		Prepared & Analyzed: 09/28/23						
% Moisture	6.0	0.1	%		6.0			0.00	20	
Duplicate (P3I2806-DUP7)		**Source: 3I27013-01**		Prepared & Analyzed: 09/28/23						
% Moisture	3.0	0.1	%		3.0			0.00	20	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

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 P3I2806 - * DEFAULT PREP *** **										
Duplicate (P3I2806-DUP8)		**Source: 3I27014-10**		Prepared & Analyzed: 09/28/23						
% Moisture	12.0	0.1	%		13.0			8.00	20	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

Notes and Definitions

ROI	Received on Ice
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.
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: Brent Barron Date: 9/29/2023

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____ W: _____

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701
Phone: 432-686-7235

Project Manager: Nate Reece
Company Name: GHD
Company Address: 2135 S Loop 250 W
City/State/Zip: Midland, Texas, 79703
Telephone No: 432-967-6850 **Fax No:**
Sampler Signature: D Fenton
e-mail: nate.reece@ghd.com

Project Name: South Bell Lake
Project #: 12622000
Project Loc: Rural Jal, NM
PO #:
Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 3I26028

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TOTAL: TPH: TX 1005 TX 1006	Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260		TPH 8015	BTEX 8021B	Chlorides								RUSH TAT (Pre-Schedule) 24, 48, 72 h	Standard TAT
1	CS-1A			9-25-23	1025																X	X	X								72	
2	CS-3A				1030																											
3	CS-5A				1033																											
4	SW-2A				1036																											
5	SW-3A				1041																											
6	SW-4				1125																											
7	SW-5				1136																											

Special Instructions: Please email results to karolanne.hudgens@plains.com

Relinquished by:	Date	Time	Received by:	Date	Time
D Fenton	9-26-23	1500			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
				9/26/23	15:00

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered Y N
by Sampler/Client Rep. ? Y N
by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt:
Received: 6.0 °C Thermometor: CF0
Adjusted: °C Factor: 1.3

PBEL COC 2021 1 Revision #: 2021 1 Effective Date: 9-21-21 Page ___ of ___

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

PBELAB

Analytical Report

Prepared for:

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

Project: South Bell Lake 263H Release
Project Number: 12622000
Location: Rural Jal, NM

Lab Order Number: 3J11010

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 10/26/23

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP-1 (1')	3J11010-01	Soil	10/11/23 07:15	10-11-2023 15:07
SP-2 (1')	3J11010-02	Soil	10/11/23 07:20	10-11-2023 15:07
SP-3 (1')	3J11010-03	Soil	10/11/23 07:25	10-11-2023 15:07
SP-4 (1')	3J11010-04	Soil	10/11/23 11:00	10-11-2023 15:07
SW-1 (1')	3J11010-05	Soil	10/11/23 07:30	10-11-2023 15:07

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

SP-1 (1')

3J11010-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P3J1202	10/12/23 12:08	10/12/23 23:45	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3J1202	10/12/23 12:08	10/12/23 23:45	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3J1202	10/12/23 12:08	10/12/23 23:45	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3J1202	10/12/23 12:08	10/12/23 23:45	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3J1202	10/12/23 12:08	10/12/23 23:45	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*109 %*	*80-120*		*P3J1202*	*10/12/23 12:08*	*10/12/23 23:45*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*94.5 %*	*80-120*		*P3J1202*	*10/12/23 12:08*	*10/12/23 23:45*	*EPA 8021B*	
Xylenes (total)	ND	0.00211	mg/kg dry	1	[CALC]	10/12/23 12:08	10/12/23 23:45	EPA 8021B	
Total BTEX	ND	0.00105	mg/kg dry	1	[CALC]	10/12/23 12:08	10/12/23 23:45	EPA 8021B	
Organics by GC									
Gasoline Range Organics	**43.8**	26.3	mg/kg dry	1	P3J1303	10/13/23 14:00	10/25/23 09:47	EPA 8015M	
Diesel Range Organics	**567**	26.3	mg/kg dry	1	P3J1303	10/13/23 14:00	10/25/23 09:47	EPA 8015M	
Oil Range Organics	**611**	26.3	mg/kg dry	1	P3J1303	10/13/23 14:00	10/25/23 09:47	EPA 8015M	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**100**	1.05	mg/kg dry	1	P3J1203	10/12/23 14:24	10/15/23 05:42	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P3J1201	10/12/23 11:50	10/12/23 12:08	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

SP-2 (1')

3J11010-02 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P3J1202	10/12/23 12:08	10/13/23 00:09	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3J1202	10/12/23 12:08	10/13/23 00:09	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3J1202	10/12/23 12:08	10/13/23 00:09	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3J1202	10/12/23 12:08	10/13/23 00:09	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3J1202	10/12/23 12:08	10/13/23 00:09	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*96.1 %*	*80-120*		*P3J1202*	*10/12/23 12:08*	*10/13/23 00:09*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		*P3J1202*	*10/12/23 12:08*	*10/13/23 00:09*	*EPA 8021B*	
Xylenes (total)	ND	0.00211	mg/kg dry	1	[CALC]	10/12/23 12:08	10/13/23 00:09	EPA 8021B	
Total BTEX	ND	0.00105	mg/kg dry	1	[CALC]	10/12/23 12:08	10/13/23 00:09	EPA 8021B	
Organics by GC									
Gasoline Range Organics	**60.5**	26.3	mg/kg dry	1	P3J1303	10/13/23 14:00	10/25/23 09:47	EPA 8015M	
Diesel Range Organics	**3180**	26.3	mg/kg dry	1	P3J1303	10/13/23 14:00	10/25/23 09:47	EPA 8015M	
Oil Range Organics	**3240**	26.3	mg/kg dry	1	P3J1303	10/13/23 14:00	10/25/23 09:47	EPA 8015M	
Surrogate: 1-Chlorooctane		*90.9 %*	*70-130*		*P3J1303*	*10/13/23 14:00*	*10/25/23 09:47*	*EPA 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**83.1**	1.05	mg/kg dry	1	P3J1203	10/12/23 14:24	10/15/23 05:56	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P3J1201	10/12/23 11:50	10/12/23 12:08	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

SP-3 (1')

3J11010-03 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00106	mg/kg dry	1	P3J1202	10/12/23 12:08	10/13/23 00:33	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P3J1202	10/12/23 12:08	10/13/23 00:33	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P3J1202	10/12/23 12:08	10/13/23 00:33	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P3J1202	10/12/23 12:08	10/13/23 00:33	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P3J1202	10/12/23 12:08	10/13/23 00:33	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*96.2 %*	*80-120*		*P3J1202*	*10/12/23 12:08*	*10/13/23 00:33*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*115 %*	*80-120*		*P3J1202*	*10/12/23 12:08*	*10/13/23 00:33*	*EPA 8021B*	
Xylenes (total)	ND	0.00213	mg/kg dry	1	[CALC]	10/12/23 12:08	10/13/23 00:33	EPA 8021B	
Total BTEX	ND	0.00106	mg/kg dry	1	[CALC]	10/12/23 12:08	10/13/23 00:33	EPA 8021B	
Organics by GC									
Gasoline Range Organics	**27.1**	26.6	mg/kg dry	1	P3J1303	10/13/23 14:00	10/25/23 09:47	EPA 8015M	
Diesel Range Organics	**374**	26.6	mg/kg dry	1	P3J1303	10/13/23 14:00	10/25/23 09:47	EPA 8015M	
Oil Range Organics	**402**	26.6	mg/kg dry	1	P3J1303	10/13/23 14:00	10/25/23 09:47	EPA 8015M	
Surrogate: 1-Chlorooctane		*96.1 %*	*70-130*		*P3J1303*	*10/13/23 14:00*	*10/25/23 09:47*	*EPA 8015M*	
Surrogate: o-Terphenyl		*115 %*	*70-130*		*P3J1303*	*10/13/23 14:00*	*10/25/23 09:47*	*EPA 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**38.0**	1.06	mg/kg dry	1	P3J1203	10/12/23 14:24	10/15/23 06:11	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P3J1201	10/12/23 11:50	10/12/23 12:08	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

SP-4 (1')

3J11010-04 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00116	mg/kg dry	1	P3J1202	10/12/23 12:08	10/13/23 00:58	EPA 8021B	
Toluene	ND	0.00116	mg/kg dry	1	P3J1202	10/12/23 12:08	10/13/23 00:58	EPA 8021B	
Ethylbenzene	ND	0.00116	mg/kg dry	1	P3J1202	10/12/23 12:08	10/13/23 00:58	EPA 8021B	
Xylene (p/m)	ND	0.00233	mg/kg dry	1	P3J1202	10/12/23 12:08	10/13/23 00:58	EPA 8021B	
Xylene (o)	ND	0.00116	mg/kg dry	1	P3J1202	10/12/23 12:08	10/13/23 00:58	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*111 %*	*80-120*		*P3J1202*	*10/12/23 12:08*	*10/13/23 00:58*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.8 %*	*80-120*		*P3J1202*	*10/12/23 12:08*	*10/13/23 00:58*	*EPA 8021B*	
Xylenes (total)	ND	0.00233	mg/kg dry	1	[CALC]	10/12/23 12:08	10/13/23 00:58	EPA 8021B	
Total BTEX	ND	0.00116	mg/kg dry	1	[CALC]	10/12/23 12:08	10/13/23 00:58	EPA 8021B	
Organics by GC									
Gasoline Range Organics	ND	29.1	mg/kg dry	1	P3J1303	10/13/23 14:00	10/25/23 09:47	EPA 8015M	
Diesel Range Organics	ND	29.1	mg/kg dry	1	P3J1303	10/13/23 14:00	10/25/23 09:47	EPA 8015M	
Oil Range Organics	**31.0**	29.1	mg/kg dry	1	P3J1303	10/13/23 14:00	10/25/23 09:47	EPA 8015M	
Surrogate: 1-Chlorooctane		*135 %*	*70-130*		*P3J1303*	*10/13/23 14:00*	*10/25/23 09:47*	*EPA 8015M*	*S-GC*
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**19.5**	1.16	mg/kg dry	1	P3J1203	10/12/23 14:24	10/15/23 06:25	EPA 300.0	
% Moisture	**14.0**	0.1	%	1	P3J1201	10/12/23 11:50	10/12/23 12:08	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

SW-1 (1')

3J11010-05 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P3J1202	10/12/23 12:08	10/13/23 01:22	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3J1202	10/12/23 12:08	10/13/23 01:22	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3J1202	10/12/23 12:08	10/13/23 01:22	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3J1202	10/12/23 12:08	10/13/23 01:22	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3J1202	10/12/23 12:08	10/13/23 01:22	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*110 %*	*80-120*		*P3J1202*	*10/12/23 12:08*	*10/13/23 01:22*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*97.0 %*	*80-120*		*P3J1202*	*10/12/23 12:08*	*10/13/23 01:22*	*EPA 8021B*	
Xylenes (total)	ND	0.00211	mg/kg dry	1	[CALC]	10/12/23 12:08	10/13/23 01:22	EPA 8021B	
Total BTEX	ND	0.00105	mg/kg dry	1	[CALC]	10/12/23 12:08	10/13/23 01:22	EPA 8021B	
Organics by GC									
Gasoline Range Organics	ND	26.3	mg/kg dry	1	P3J1303	10/13/23 14:00	10/25/23 09:47	EPA 8015M	
Diesel Range Organics	**48.5**	26.3	mg/kg dry	1	P3J1303	10/13/23 14:00	10/25/23 09:47	EPA 8015M	
Oil Range Organics	**58.5**	26.3	mg/kg dry	1	P3J1303	10/13/23 14:00	10/25/23 09:47	EPA 8015M	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**25.6**	1.05	mg/kg dry	1	P3J1203	10/12/23 14:24	10/15/23 06:39	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P3J1201	10/12/23 11:50	10/12/23 12:08	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

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 P3J1202 - * DEFAULT PREP *** **										
Blank (P3J1202-BLK1)				Prepared & Analyzed: 10/12/23						
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	*0.113*		*"*	*0.120*		*94.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.125*		*"*	*0.120*		*104*	*80-120*			
LCS (P3J1202-BS1)				Prepared & Analyzed: 10/12/23						
Benzene	0.106	0.00100	mg/kg	0.100		106	80-120			
Toluene	0.0964	0.00100	"	0.100		96.4	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.204	0.00200	"	0.200		102	80-120			
Xylene (o)	0.0890	0.00100	"	0.100		89.0	80-120			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*96.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.124*		*"*	*0.120*		*104*	*80-120*			
LCS Dup (P3J1202-BSD1)				Prepared & Analyzed: 10/12/23						
Benzene	0.119	0.00100	mg/kg	0.100		119	80-120	12.0	20	
Toluene	0.110	0.00100	"	0.100		110	80-120	13.6	20	
Ethylbenzene	0.118	0.00100	"	0.100		118	80-120	13.5	20	
Xylene (p/m)	0.230	0.00200	"	0.200		115	80-120	11.9	20	
Xylene (o)	0.101	0.00100	"	0.100		101	80-120	12.8	20	
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.120*		*"*	*0.120*		*100*	*80-120*			
Calibration Blank (P3J1202-CCB1)				Prepared & Analyzed: 10/12/23						
Benzene	0.330		ug/kg							
Toluene	0.370		"							
Ethylbenzene	0.110		"							
Xylene (p/m)	0.210		"							
Xylene (o)	0.0800		"							
Surrogate: 1,4-Difluorobenzene	*0.114*		*"*	*0.120*		*94.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.127*		*"*	*0.120*		*106*	*80-120*			

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

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 P3J1202 - * DEFAULT PREP *** **										
Calibration Blank (P3J1202-CCB2)				Prepared & Analyzed: 10/12/23						
Benzene	0.210		ug/kg							
Toluene	0.280		"							
Ethylbenzene	0.160		"							
Xylene (p/m)	0.230		"							
Xylene (o)	0.250		"							
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.7*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.132*		*"*	*0.120*		*110*	*80-120*			
Calibration Check (P3J1202-CCV1)				Prepared & Analyzed: 10/12/23						
Benzene	0.110	0.00100	mg/kg	0.100		110	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120			
Xylene (p/m)	0.215	0.00200	"	0.200		107	80-120			
Xylene (o)	0.0959	0.00100	"	0.100		95.9	80-120			
Surrogate: 4-Bromofluorobenzene	*0.125*		*"*	*0.120*		*104*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.2*	*75-125*			
Calibration Check (P3J1202-CCV2)				Prepared & Analyzed: 10/12/23						
Benzene	0.120	0.00100	mg/kg	0.100		120	80-120			
Toluene	0.109	0.00100	"	0.100		109	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.223	0.00200	"	0.200		112	80-120			
Xylene (o)	0.103	0.00100	"	0.100		103	80-120			
Surrogate: 4-Bromofluorobenzene	*0.127*		*"*	*0.120*		*106*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.4*	*75-125*			
Calibration Check (P3J1202-CCV3)				Prepared: 10/12/23 Analyzed: 10/13/23						
Benzene	0.119	0.00100	mg/kg	0.100		119	80-120			
Toluene	0.111	0.00100	"	0.100		111	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.223	0.00200	"	0.200		111	80-120			
Xylene (o)	0.103	0.00100	"	0.100		103	80-120			
Surrogate: 4-Bromofluorobenzene	*0.128*		*"*	*0.120*		*106*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.4*	*75-125*			

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

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 P3J1202 - * DEFAULT PREP *** **										
Matrix Spike (P3J1202-MS1)	**Source: 3J11003-01**			Prepared: 10/12/23 Analyzed: 10/13/23						
Benzene	0.0955	0.00114	mg/kg dry	0.114	ND	84.0	80-120			
Toluene	0.0820	0.00114	"	0.114	ND	72.1	80-120			QM-05
Ethylbenzene	0.0836	0.00114	"	0.114	ND	73.6	80-120			QM-05
Xylene (p/m)	0.164	0.00227	"	0.227	0.00160	71.4	80-120			QM-05
Xylene (o)	0.0691	0.00114	"	0.114	ND	60.8	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	*0.145*		"	*0.136*		*106*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.132*		"	*0.136*		*96.7*	*80-120*			
Matrix Spike Dup (P3J1202-MSD1)	**Source: 3J11003-01**			Prepared: 10/12/23 Analyzed: 10/13/23						
Benzene	0.0954	0.00114	mg/kg dry	0.114	ND	83.9	80-120	0.0953	20	
Toluene	0.0805	0.00114	"	0.114	ND	70.8	80-120	1.83	20	QM-05
Ethylbenzene	0.0824	0.00114	"	0.114	ND	72.5	80-120	1.42	20	QM-05
Xylene (p/m)	0.164	0.00227	"	0.227	0.00160	71.3	80-120	0.147	20	QM-05
Xylene (o)	0.0686	0.00114	"	0.114	ND	60.4	80-120	0.693	20	QM-05
Surrogate: 1,4-Difluorobenzene	*0.133*		"	*0.136*		*97.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.145*		"	*0.136*		*106*	*80-120*			

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

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 P3J1303 - TX 1005										
Blank (P3J1303-BLK1)				Prepared: 10/13/23 Analyzed: 10/25/23						
Gasoline Range Organics	ND	25.0	mg/kg							
Diesel Range Organics	ND	25.0	"							
Oil Range Organics	ND	25.0	"							
LCS (P3J1303-BS1)				Prepared: 10/13/23 Analyzed: 10/25/23						
Gasoline Range Organics	1010	25.0	mg/kg				75-125			
Diesel Range Organics	1010	25.0	"	1000		101	75-125			
LCS Dup (P3J1303-BSD1)				Prepared: 10/13/23 Analyzed: 10/25/23						
Gasoline Range Organics	1020	25.0	mg/kg				75-125		20	
Diesel Range Organics	1100	25.0	"	1000		110	75-125	8.95	20	
Calibration Check (P3J1303-CCV1)				Prepared: 10/13/23 Analyzed: 10/25/23						
Gasoline Range Organics	547	25.0	mg/kg	500		109	85-115			
Diesel Range Organics	533	25.0	"	500		107	85-115			
Calibration Check (P3J1303-CCV2)				Prepared: 10/13/23 Analyzed: 10/25/23						
Gasoline Range Organics	547	25.0	mg/kg	500		109	85-115			
Diesel Range Organics	542	25.0	"	500		108	85-115			
Calibration Check (P3J1303-CCV3)				Prepared: 10/13/23 Analyzed: 10/25/23						
Gasoline Range Organics	533	25.0	mg/kg	500		107	85-115			
Diesel Range Organics	460	25.0	"	500		91.9	85-115			
Duplicate (P3J1303-DUP1)	**Source: 3J11011-04**			Prepared: 10/19/23 Analyzed: 10/25/23						
Gasoline Range Organics	1150	26.6	mg/kg dry		ND				20	
Diesel Range Organics	14700	26.6	"		ND				20	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

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 P3J1303 - TX 1005										
Blank (P3J1303-BLK1)				Prepared: 10/13/23 Analyzed: 10/19/23						
Gasoline Range Organics	ND	10.0	mg/kg							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon nC6-nC35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*94.3*		*"*	*100*		*94.3*	*70-130*			
LCS (P3J1303-BS1)				Prepared: 10/13/23 Analyzed: 10/19/23						
Gasoline Range Organics	ND	10.0	mg/kg				75-125			
Diesel Range Organics >C12-C35	ND	10.0	"				75-125			
Total Hydrocarbon nC6-nC35	ND	10.0	"				75-125			
Surrogate: 1-Chlorooctane	*121*		*"*	*100*		*121*	*70-130*			
LCS Dup (P3J1303-BSD1)				Prepared: 10/13/23 Analyzed: 10/19/23						
Gasoline Range Organics	ND	10.0	mg/kg				75-125		20	
Diesel Range Organics >C12-C35	ND	10.0	"				75-125		20	
Total Hydrocarbon nC6-nC35	ND	10.0	"				75-125		20	
Surrogate: 1-Chlorooctane	*118*		*"*	*100*		*118*	*70-130*			
Calibration Check (P3J1303-CCV1)				Prepared: 10/13/23 Analyzed: 10/19/23						
Gasoline Range Organics	547	10.0	mg/kg	500		109	80-120			
Diesel Range Organics >C12-C35	533	10.0	"				80-120			
Calibration Check (P3J1303-CCV2)				Prepared: 10/13/23 Analyzed: 10/19/23						
Gasoline Range Organics	547	10.0	mg/kg	500		109	80-120			
Diesel Range Organics >C12-C35	542	10.0	"				80-120			
Surrogate: 1-Chlorooctane	*109*		*"*	*100*		*109*	*70-130*			
Calibration Check (P3J1303-CCV3)				Prepared: 10/13/23 Analyzed: 10/19/23						
Gasoline Range Organics	533	10.0	mg/kg	500		107	80-120			
Diesel Range Organics >C12-C35	460	10.0	"				80-120			
Surrogate: 1-Chlorooctane	*107*		*"*	*100*		*107*	*70-130*			

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

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 P3J1201 - * DEFAULT PREP *** **										
Blank (P3J1201-BLK1)				Prepared & Analyzed: 10/12/23						
% Moisture	ND	0.1	%							
Blank (P3J1201-BLK2)				Prepared & Analyzed: 10/12/23						
% Moisture	ND	0.1	%							
Blank (P3J1201-BLK3)				Prepared & Analyzed: 10/12/23						
% Moisture	ND	0.1	%							
Blank (P3J1201-BLK4)				Prepared & Analyzed: 10/12/23						
% Moisture	ND	0.1	%							
Blank (P3J1201-BLK5)				Prepared & Analyzed: 10/12/23						
% Moisture	ND	0.1	%							
Duplicate (P3J1201-DUP1)		**Source: 3J11003-06**		Prepared & Analyzed: 10/12/23						
% Moisture	11.0	0.1	%		12.0			8.70	20	
Duplicate (P3J1201-DUP2)		**Source: 3J11004-04**		Prepared & Analyzed: 10/12/23						
% Moisture	4.0	0.1	%		3.0			28.6	20	R3
Duplicate (P3J1201-DUP3)		**Source: 3J11004-19**		Prepared & Analyzed: 10/12/23						
% Moisture	5.0	0.1	%		5.0			0.00	20	
Duplicate (P3J1201-DUP4)		**Source: 3J11004-29**		Prepared & Analyzed: 10/12/23						
% Moisture	1.0	0.1	%		2.0			66.7	20	R3
Duplicate (P3J1201-DUP5)		**Source: 3J11011-01**		Prepared & Analyzed: 10/12/23						
% Moisture	5.0	0.1	%		5.0			0.00	20	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

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 P3J1201 - * DEFAULT PREP *** **										
Duplicate (P3J1201-DUP6)	**Source: 3J11011-11**			Prepared & Analyzed: 10/12/23						
% Moisture	2.0	0.1	%		3.0			40.0	20	R3
Batch P3J1203 - * DEFAULT PREP *** **										
Blank (P3J1203-BLK1)				Prepared: 10/12/23 Analyzed: 10/15/23						
Chloride	ND	1.00	mg/kg							
LCS (P3J1203-BS1)				Prepared: 10/12/23 Analyzed: 10/15/23						
Chloride	23.0		mg/kg	24.0		95.9	90-110			
LCS Dup (P3J1203-BSD1)				Prepared: 10/12/23 Analyzed: 10/15/23						
Chloride	21.9		mg/kg	24.0		91.4	90-110	4.81	10	
Calibration Check (P3J1203-CCV1)				Prepared: 10/12/23 Analyzed: 10/14/23						
Chloride	21.9		mg/kg	20.0		109	90-110			
Calibration Check (P3J1203-CCV2)				Prepared: 10/12/23 Analyzed: 10/16/23						
Chloride	21.8		mg/kg	20.0		109	90-110			
Matrix Spike (P3J1203-MS1)	**Source: 3J11004-24**			Prepared: 10/12/23 Analyzed: 10/15/23						
Chloride	122		mg/kg	100	8.25	114	80-120			
Matrix Spike (P3J1203-MS2)	**Source: 3J11007-01**			Prepared: 10/12/23 Analyzed: 10/15/23						
Chloride	121		mg/kg	100	3.19	118	80-120			
Matrix Spike Dup (P3J1203-MSD1)	**Source: 3J11004-24**			Prepared: 10/12/23 Analyzed: 10/15/23						
Chloride	125		mg/kg	100	8.25	117	80-120	2.24	20	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

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 P3J1203 - * DEFAULT PREP *** **										
Matrix Spike Dup (P3J1203-MSD2)	**Source: 3J11007-01**			Prepared: 10/12/23 Analyzed: 10/15/23						
Chloride	119		mg/kg	100	3.19	116	80-120	1.19	20	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

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.
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: Brent Barron Date: 10/26/2023

Brent Barron, Laboratory Director/Technical Director

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____ W: _____

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701
Phone: 432-686-7235

Project Manager: Nate Reece
Company Name: GHD
Company Address: 2135 S Loop 250 W
City/State/Zip: Midland, TX 79703
Telephone No: 432 967 6850
Fax No:
Sampler Signature: C Reyes
e-mail: nate.reece@ghd.com

Project Name: South Bell Lake
Project #: 12622000
Project Loc: Rural Jal, NM
PO #:
Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 3J11010

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 (Specify)	Matrix: DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: TX 1005	TX 1006	Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	TPH 8015	BTEX 8021	Chlorides	RUSH TAT (Pre-Schedule) 24, 48, 72 hr	Standard TAT
1	SP-1 (1')	1'	1'	10/11/23	715		1	X								S							X	X	X		
2	SP-2 (1')	"	"	"	720		1	X								"							X	X	X		
3	SP-3 (1')	"	"	"	725		1	X								"							X	X	X		
4	SP-4 (1')	"	"	"	1100		1	X								"							X	X	X		
5	SW-1 (1')	"	"	"	730		1	X								W							X	X	X		

Special Instructions: Please email results to Karolanne.hudgens@Plains.com

	Date	Time		Date	Time
Relinquished by: C Reyes	10/11/23	1507	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by PBEL: Trina Bledsoe	10/11/23	15:07

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 5.1 °C Thermometer: NCE3
Adjusted: °C Factor:

PBEL_COC_2021_1 Revision #: 2021_1 Effective Date: 9-21-21

Page __ of __

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

PBELAB

Analytical Report

Prepared for:

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

Project: South Bell Lake 263H Release
Project Number: 12622000
Location: Rural Jal, NM

Lab Order Number: 3J13002

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 10/25/23

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP-5	3J13002-01	Soil	10/12/23 00:00	10-13-2023 15:10
SP-6	3J13002-02	Soil	10/12/23 00:00	10-13-2023 15:10
SP-7	3J13002-03	Soil	10/12/23 00:00	10-13-2023 15:10

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

SP-5

3J13002-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 13:34	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 13:34	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 13:34	EPA 8021B	
Xylene (p/m)	**0.00249**	0.00211	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 13:34	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 13:34	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*110 %*	*80-120*		*P3J1607*	*10/16/23 10:18*	*10/16/23 13:34*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.2 %*	*80-120*		*P3J1607*	*10/16/23 10:18*	*10/16/23 13:34*	*EPA 8021B*	
Xylenes (total)	**0.00333**	0.00211	mg/kg dry	1	[CALC]	10/16/23 10:18	10/16/23 13:34	EPA 8021B	
Total BTEX	**0.00249**	0.00105	mg/kg dry	1	[CALC]	10/16/23 10:18	10/16/23 13:34	EPA 8021B	
Organics by GC									
Gasoline Range Organics	ND	26.3	mg/kg dry	1	P3J1905	10/19/23 13:11	10/25/23 11:11	EPA 8015M	
Diesel Range Organics	**1790**	26.3	mg/kg dry	1	P3J1905	10/19/23 13:11	10/25/23 11:11	EPA 8015M	
Oil Range Organics	**319**	26.3	mg/kg dry	1	P3J1905	10/19/23 13:11	10/25/23 11:11	EPA 8015M	
Surrogate: 1-Chlorooctane		*124 %*	*70-130*		*P3J1905*	*10/19/23 13:11*	*10/25/23 11:11*	*EPA 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**31.0**	1.05	mg/kg dry	1	P3J1305	10/13/23 16:20	10/15/23 08:20	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P3J1606	10/16/23 09:34	10/16/23 09:49	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

SP-6

3J13002-02 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00106	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 13:58	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 13:58	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 13:58	EPA 8021B	
Xylene (p/m)	**0.00409**	0.00213	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 13:58	EPA 8021B	
Xylene (o)	**0.00114**	0.00106	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 13:58	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*94.3 %*	*80-120*		*P3J1607*	*10/16/23 10:18*	*10/16/23 13:58*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*116 %*	*80-120*		*P3J1607*	*10/16/23 10:18*	*10/16/23 13:58*	*EPA 8021B*	
Xylenes (total)	**0.00522**	0.00213	mg/kg dry	1	[CALC]	10/16/23 10:18	10/16/23 13:58	EPA 8021B	
Total BTEX	**0.00522**	0.00106	mg/kg dry	1	[CALC]	10/16/23 10:18	10/16/23 13:58	EPA 8021B	
Organics by GC									
Gasoline Range Organics	ND	26.6	mg/kg dry	1	P3J1905	10/19/23 13:11	10/25/23 11:11	EPA 8015M	
Diesel Range Organics	**337**	26.6	mg/kg dry	1	P3J1905	10/19/23 13:11	10/25/23 11:11	EPA 8015M	
Oil Range Organics	**401**	26.6	mg/kg dry	1	P3J1905	10/19/23 13:11	10/25/23 11:11	EPA 8015M	
Surrogate: 1-Chlorooctane		*127 %*	*70-130*		*P3J1905*	*10/19/23 13:11*	*10/25/23 11:11*	*EPA 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**47.8**	1.06	mg/kg dry	1	P3J1305	10/13/23 16:20	10/15/23 09:03	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P3J1606	10/16/23 09:34	10/16/23 09:49	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
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Midland TX, 79703	Project Manager: Daniel Sparks

SP-7

3J13002-03 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 14:23	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 14:23	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 14:23	EPA 8021B	
Xylene (p/m)	**0.00381**	0.00215	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 14:23	EPA 8021B	
Xylene (o)	**0.00206**	0.00108	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 14:23	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*123 %*	*80-120*		*P3J1607*	*10/16/23 10:18*	*10/16/23 14:23*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*93.4 %*	*80-120*		*P3J1607*	*10/16/23 10:18*	*10/16/23 14:23*	*EPA 8021B*	
Xylenes (total)	**0.00587**	0.00215	mg/kg dry	1	[CALC]	10/16/23 10:18	10/16/23 14:23	EPA 8021B	
Total BTEX	**0.00587**	0.00108	mg/kg dry	1	[CALC]	10/16/23 10:18	10/16/23 14:23	EPA 8021B	
Organics by GC									
Gasoline Range Organics	ND	26.9	mg/kg dry	1	P3J1905	10/19/23 13:11	10/25/23 11:11	EPA 8015M	
Diesel Range Organics	**35.6**	26.9	mg/kg dry	1	P3J1905	10/19/23 13:11	10/25/23 11:11	EPA 8015M	
Oil Range Organics	**51.6**	26.9	mg/kg dry	1	P3J1905	10/19/23 13:11	10/25/23 11:11	EPA 8015M	
Surrogate: 1-Chlorooctane		*108 %*	*70-130*		*P3J1905*	*10/19/23 13:11*	*10/25/23 11:11*	*EPA 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**29.3**	1.08	mg/kg dry	1	P3J1305	10/13/23 16:20	10/15/23 09:17	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P3J1606	10/16/23 09:34	10/16/23 09:49	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

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 P3J1607 - * DEFAULT PREP *** **										
Blank (P3J1607-BLK1)				Prepared & Analyzed: 10/16/23						
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*		*95.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.130*		*"*	*0.120*		*109*	*80-120*			
LCS (P3J1607-BS1)				Prepared & Analyzed: 10/16/23						
Benzene	0.119	0.00100	mg/kg	0.100		119	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.115	0.00100	"	0.100		115	80-120			
Xylene (p/m)	0.238	0.00200	"	0.200		119	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.125*		*"*	*0.120*		*104*	*80-120*			
LCS Dup (P3J1607-BSD1)				Prepared & Analyzed: 10/16/23						
Benzene	0.119	0.00100	mg/kg	0.100		119	80-120	0.521	20	
Toluene	0.112	0.00100	"	0.100		112	80-120	1.14	20	
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120	3.49	20	
Xylene (p/m)	0.234	0.00200	"	0.200		117	80-120	1.65	20	
Xylene (o)	0.104	0.00100	"	0.100		104	80-120	1.96	20	
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*97.9*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.127*		*"*	*0.120*		*106*	*80-120*			
Calibration Blank (P3J1607-CCB1)				Prepared & Analyzed: 10/16/23						
Benzene	0.280		ug/kg							
Toluene	0.280		"							
Ethylbenzene	0.190		"							
Xylene (p/m)	0.240		"							
Xylene (o)	0.0900		"							
Surrogate: 4-Bromofluorobenzene	*0.131*		*"*	*0.120*		*109*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*96.1*	*80-120*			

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

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 P3J1607 - * DEFAULT PREP *** **										
Calibration Blank (P3J1607-CCB2)				Prepared & Analyzed: 10/16/23						
Benzene	0.270		ug/kg							
Toluene	0.260		"							
Ethylbenzene	0.140		"							
Xylene (p/m)	0.190		"							
Xylene (o)	0.220		"							
Surrogate: 4-Bromofluorobenzene	*0.133*		*"*	*0.120*		*111*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.6*	*80-120*			
Calibration Check (P3J1607-CCV1)				Prepared & Analyzed: 10/16/23						
Benzene	0.109	0.00100	mg/kg	0.100		109	80-120			
Toluene	0.100	0.00100	"	0.100		100	80-120			
Ethylbenzene	0.100	0.00100	"	0.100		100	80-120			
Xylene (p/m)	0.209	0.00200	"	0.200		105	80-120			
Xylene (o)	0.0948	0.00100	"	0.100		94.8	80-120			
Surrogate: 4-Bromofluorobenzene	*0.129*		*"*	*0.120*		*107*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.1*	*75-125*			
Calibration Check (P3J1607-CCV2)				Prepared & Analyzed: 10/16/23						
Benzene	0.120	0.00100	mg/kg	0.100		120	80-120			
Toluene	0.110	0.00100	"	0.100		110	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.224	0.00200	"	0.200		112	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	*0.129*		*"*	*0.120*		*107*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.6*	*75-125*			
Calibration Check (P3J1607-CCV3)				Prepared & Analyzed: 10/16/23						
Benzene	0.119	0.00100	mg/kg	0.100		119	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.111	0.00100	"	0.100		111	80-120			
Xylene (p/m)	0.224	0.00200	"	0.200		112	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 4-Bromofluorobenzene	*0.131*		*"*	*0.120*		*109*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.114*		*"*	*0.120*		*95.1*	*75-125*			

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

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 P3J1607 - * DEFAULT PREP *** **										
Matrix Spike (P3J1607-MS1)	**Source: 3J13002-01**			Prepared & Analyzed: 10/16/23						
Benzene	0.0954	0.00105	mg/kg dry	0.105	ND	90.6	80-120			
Toluene	0.0631	0.00105	"	0.105	ND	59.9	80-120			QM-05
Ethylbenzene	0.0358	0.00105	"	0.105	ND	34.0	80-120			QM-05
Xylene (p/m)	0.0838	0.00211	"	0.211	0.00249	38.6	80-120			QM-05
Xylene (o)	0.0373	0.00105	"	0.105	0.000832	34.6	80-120			QM-05
Surrogate: 1,4-Difluorobenzene	*0.122*		"	*0.126*		*96.6*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.135*		"	*0.126*		*107*	*80-120*			
Matrix Spike Dup (P3J1607-MSD1)	**Source: 3J13002-01**			Prepared & Analyzed: 10/16/23						
Benzene	0.0966	0.00105	mg/kg dry	0.105	ND	91.8	80-120	1.27	20	
Toluene	0.0647	0.00105	"	0.105	ND	61.5	80-120	2.52	20	QM-05
Ethylbenzene	0.0364	0.00105	"	0.105	ND	34.6	80-120	1.63	20	QM-05
Xylene (p/m)	0.0901	0.00211	"	0.211	0.00249	41.6	80-120	7.54	20	QM-05
Xylene (o)	0.0402	0.00105	"	0.105	0.000832	37.4	80-120	7.88	20	QM-05
Surrogate: 1,4-Difluorobenzene	*0.123*		"	*0.126*		*97.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.137*		"	*0.126*		*108*	*80-120*			

GHD Services-Midland	Project: South Bell Lake 263H Release
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Midland TX, 79703	Project Manager: Daniel Sparks

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 P3J1905 - TX 1005										
Blank (P3J1905-BLK1)				Prepared: 10/19/23 Analyzed: 10/25/23						
Gasoline Range Organics	ND	25.0	mg/kg							
Diesel Range Organics	ND	25.0	"							
Oil Range Organics	ND	25.0	"							
Surrogate: 1-Chlorooctane	*0.00*		*"*	*100*			*70-130*			
Surrogate: o-Terphenyl	*0.00*		*"*	*50.0*			*70-130*			
LCS (P3J1905-BS1)				Prepared: 10/19/23 Analyzed: 10/25/23						
Gasoline Range Organics	1120	25.0	mg/kg				75-125			
Diesel Range Organics	1110	25.0	"	1000		111	75-125			
Surrogate: 1-Chlorooctane	*121*		*"*	*100*		*121*	*70-130*			
LCS Dup (P3J1905-BSD1)				Prepared: 10/19/23 Analyzed: 10/25/23						
Gasoline Range Organics	1100	25.0	mg/kg				75-125		20	
Diesel Range Organics	1090	25.0	"	1000		109	75-125	1.47	20	
Surrogate: 1-Chlorooctane	*122*		*"*	*100*		*122*	*70-130*			
Calibration Check (P3J1905-CCV1)				Prepared: 10/19/23 Analyzed: 10/25/23						
Gasoline Range Organics	552	25.0	mg/kg	550		100	85-115			
Diesel Range Organics	601	25.0	"	550		109	85-115			
Surrogate: 1-Chlorooctane	*0.00*		*"*	*100*			*85-115*			
Surrogate: o-Terphenyl	*0.00*		*"*	*50.0*			*85-115*			
Calibration Check (P3J1905-CCV2)				Prepared: 10/19/23 Analyzed: 10/25/23						
Gasoline Range Organics	459	25.0	mg/kg	500		91.8	85-115			
Diesel Range Organics	479	25.0	"	500		95.8	85-115			
Surrogate: 1-Chlorooctane	*101*		*"*	*100*		*101*	*85-115*			
Calibration Check (P3J1905-CCV3)				Prepared: 10/19/23 Analyzed: 10/25/23						
Gasoline Range Organics	459	25.0	mg/kg	500		91.8	85-115			
Diesel Range Organics	479	25.0	"	500		95.8	85-115			
Surrogate: 1-Chlorooctane	*101*		*"*	*100*		*101*	*85-115*			
Surrogate: o-Terphenyl	*53.1*		*"*	*50.0*		*106*	*85-115*			

GHD Services-Midland	Project: South Bell Lake 263H Release
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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 P3J1905 - TX 1005										
Duplicate (P3J1905-DUP1)	**Source: 3J13004-12**			Prepared: 10/19/23 Analyzed: 10/25/23						
Gasoline Range Organics	ND	26.0	mg/kg dry		ND				20	
Diesel Range Organics	10.6	26.0	"		ND				20	
Surrogate: 1-Chlorooctane	*112*		*"*	*104*		*108*	*70-130*			
Surrogate: o-Terphenyl	*59.8*		*"*	*52.1*		*115*	*70-130*			

GHD Services-Midland	Project: South Bell Lake 263H Release
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Midland TX, 79703	Project Manager: Daniel Sparks

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 P3J1305 - * DEFAULT PREP *** **										
Blank (P3J1305-BLK1)				Prepared: 10/13/23 Analyzed: 10/15/23						
Chloride	ND	1.00	mg/kg							
LCS (P3J1305-BS1)				Prepared: 10/13/23 Analyzed: 10/15/23						
Chloride	21.6		mg/kg	24.0		90.1	90-110			
LCS Dup (P3J1305-BSD1)				Prepared: 10/13/23 Analyzed: 10/15/23						
Chloride	23.3		mg/kg	24.0		97.0	90-110	7.37	10	
Calibration Check (P3J1305-CCV1)				Prepared: 10/13/23 Analyzed: 10/17/23						
Chloride	21.9		mg/kg	20.0		110	90-110			
Calibration Check (P3J1305-CCV2)				Prepared: 10/13/23 Analyzed: 10/15/23						
Chloride	21.8		mg/kg	20.0		109	90-110			
Matrix Spike (P3J1305-MS1)		**Source: 3J13002-01**		Prepared: 10/13/23 Analyzed: 10/15/23						
Chloride	115		mg/kg	100	0.590	114	80-120			
Matrix Spike (P3J1305-MS2)		**Source: 3J13004-03**		Prepared: 10/13/23 Analyzed: 10/17/23						
Chloride	218		mg/kg	200	1.39	108	80-120			
Matrix Spike Dup (P3J1305-MSD1)		**Source: 3J13002-01**		Prepared: 10/13/23 Analyzed: 10/15/23						
Chloride	114		mg/kg	100	0.590	113	80-120	0.424	20	
Batch P3J1606 - * DEFAULT PREP *** **										
Blank (P3J1606-BLK1)				Prepared & Analyzed: 10/16/23						
% Moisture	ND	0.1	%							

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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 P3J1606 - * DEFAULT PREP *** **										
Blank (P3J1606-BLK2)				Prepared & Analyzed: 10/16/23						
% Moisture	ND	0.1	%							
Blank (P3J1606-BLK3)				Prepared & Analyzed: 10/16/23						
% Moisture	ND	0.1	%							
Blank (P3J1606-BLK4)				Prepared & Analyzed: 10/16/23						
% Moisture	ND	0.1	%							
Blank (P3J1606-BLK5)				Prepared & Analyzed: 10/16/23						
% Moisture	ND	0.1	%							
Blank (P3J1606-BLK6)				Prepared & Analyzed: 10/16/23						
% Moisture	ND	0.1	%							
Duplicate (P3J1606-DUP1)	**Source: 3J13003-05**			Prepared & Analyzed: 10/16/23						
% Moisture	8.0	0.1	%		8.0			0.00	20	
Duplicate (P3J1606-DUP2)	**Source: 3J13004-07**			Prepared & Analyzed: 10/16/23						
% Moisture	6.0	0.1	%		6.0			0.00	20	
Duplicate (P3J1606-DUP3)	**Source: 3J13004-22**			Prepared & Analyzed: 10/16/23						
% Moisture	5.0	0.1	%		5.0			0.00	20	
Duplicate (P3J1606-DUP4)	**Source: 3J13009-01**			Prepared & Analyzed: 10/16/23						
% Moisture	8.0	0.1	%		8.0			0.00	20	
Duplicate (P3J1606-DUP5)	**Source: 3J13015-07**			Prepared & Analyzed: 10/16/23						
% Moisture	5.0	0.1	%		5.0			0.00	20	

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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 P3J1606 - * DEFAULT PREP *** **										
Duplicate (P3J1606-DUP6)		**Source: 3J13016-05**		Prepared & Analyzed: 10/16/23						
% Moisture	3.0	0.1	%		3.0			0.00	20	
Duplicate (P3J1606-DUP7)		**Source: 3J13017-07**		Prepared & Analyzed: 10/16/23						
% Moisture	12.0	0.1	%		13.0			8.00	20	
Duplicate (P3J1606-DUP8)		**Source: 3J13017-17**		Prepared & Analyzed: 10/16/23						
% Moisture	11.0	0.1	%		11.0			0.00	20	
Duplicate (P3J1606-DUP9)		**Source: 3J13017-32**		Prepared & Analyzed: 10/16/23						
% Moisture	6.0	0.1	%		5.0			18.2	20	
Duplicate (P3J1606-DUPA)		**Source: 3J13020-02**		Prepared & Analyzed: 10/16/23						
% Moisture	9.0	0.1	%		8.0			11.8	20	
Duplicate (P3J1606-DUPB)		**Source: 3J13022-10**		Prepared & Analyzed: 10/16/23						
% Moisture	7.0	0.1	%		7.0			0.00	20	
Duplicate (P3J1606-DUPC)		**Source: 3J13024-03**		Prepared & Analyzed: 10/16/23						
% Moisture	5.0	0.1	%		5.0			0.00	20	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

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
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.
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: Brent Barron Date: 10/25/2023

Brent Barron, Laboratory Director/Technical Director

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____ W: _____

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701
Phone: 432-686-7235

Project Manager: Nate Reece
Company Name: GHD
Company Address: 2135 S Loop 250 W
City/State/Zip: Midland, TX 79703
Telephone No: 432 967 6550
Sampler Signature: JwCR/S

Project Name: South Bell Lake
Project #: 12622000
Project Loc: Rural Jal, NM
PO #:
Fax No:
Report Format: ☐ Standard ☐ TRRP ☐ NPDES
e-mail: Nate.Reece@ghd.com

(lab use only)
ORDER #: 3J13002

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 (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: TX 1005 TX 1006	Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	TPH 8015	BTEX 8021B	Chlorides	RUSH TAT (Pre-Schedule) 24, 48 (72)	Standard TAT
1	SP-5 (1')		1	10/12/23	820		1	X								5				1	1	1	X	
2	SP-6 (2')		1	1	830		1	1								1				1	1	1	1	
3	SP-7 (2')		1	1	1010		1	1								1				1	1	1	1	

TCLP:
TOTAL:

Special Instructions: Please email results to Kardianne.hudgens@Plains.com

Relinquished by:	Date	Time	Received by:	Date	Time
JwCR/S	10/12/23	1510			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBELab:	Date	Time
			Diana Bledsoe	10/12/23	15:10

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 5.1 °C Thermometer: NC-03
Adjusted: °C Factor:

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

PBELAB

Analytical Report

Prepared for:

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

Project: South Bell Lake 263H Release
Project Number: 12622000
Location: Rural Jal, NM

Lab Order Number: 3J13024

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 10/26/23

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP-8 @ 2'	3J13024-01	Soil	10/13/23 08:30	10-13-2023 15:43
SP-9 @ 1'	3J13024-02	Soil	10/13/23 10:16	10-13-2023 15:43
SP-10 @ 1'	3J13024-03	Soil	10/13/23 10:40	10-13-2023 15:43
SP-11 @ 1'	3J13024-04	Soil	10/13/23 13:20	10-13-2023 15:43
SW-2 @ 1'	3J13024-05	Soil	10/13/23 11:25	10-13-2023 15:43
SW-3 @ 1'	3J13024-06	Soil	10/13/23 11:30	10-13-2023 15:43
SW-4 @ 2'	3J13024-07	Soil	10/13/23 12:00	10-13-2023 15:43
SW-5 @ 2'	3J13024-08	Soil	10/13/23 12:10	10-13-2023 15:43

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

SP-8 @ 2'

3J13024-01 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 14:47	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 14:47	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 14:47	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 14:47	EPA 8021B	
Xylene (o)	**0.00229**	0.00108	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 14:47	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*112 %*	*80-120*		*P3J1607*	*10/16/23 10:18*	*10/16/23 14:47*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*94.0 %*	*80-120*		*P3J1607*	*10/16/23 10:18*	*10/16/23 14:47*	*EPA 8021B*	
Xylenes (total)	**0.00414**	0.00215	mg/kg dry	1	[CALC]	10/16/23 10:18	10/16/23 14:47	EPA 8021B	
Total BTEX	**0.00229**	0.00108	mg/kg dry	1	[CALC]	10/16/23 10:18	10/16/23 14:47	EPA 8021B	
Organics by GC									
Gasoline Range Organics	ND	26.9	mg/kg dry	1	P3J1911	10/20/23 13:26	10/23/23 17:36	EPA 8015M	
Diesel Range Organics	**175**	26.9	mg/kg dry	1	P3J1911	10/20/23 13:26	10/23/23 17:36	EPA 8015M	
Oil Range Organics	**27.8**	26.9	mg/kg dry	1	P3J1911	10/20/23 13:26	10/23/23 17:36	EPA 8015M	
Surrogate: 1-Chlorooctane		*107 %*	*70-130*		*P3J1911*	*10/20/23 13:26*	*10/23/23 17:36*	*EPA 8015M*	
Surrogate: o-Terphenyl		*116 %*	*70-130*		*P3J1911*	*10/20/23 13:26*	*10/23/23 17:36*	*EPA 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**66.2**	1.08	mg/kg dry	1	P3J1609	10/16/23 11:59	10/17/23 02:16	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P3J1606	10/16/23 09:34	10/16/23 09:49	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

SP-9 @ 1'

3J13024-02 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 15:12	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 15:12	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 15:12	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 15:12	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 15:12	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*110 %*	*80-120*		*P3J1607*	*10/16/23 10:18*	*10/16/23 15:12*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*93.4 %*	*80-120*		*P3J1607*	*10/16/23 10:18*	*10/16/23 15:12*	*EPA 8021B*	
Xylenes (total)	ND	0.00211	mg/kg dry	1	[CALC]	10/16/23 10:18	10/16/23 15:12	EPA 8021B	
Total BTEX	ND	0.00105	mg/kg dry	1	[CALC]	10/16/23 10:18	10/16/23 15:12	EPA 8021B	
Organics by GC									
Gasoline Range Organics	ND	26.3	mg/kg dry	1	P3J1911	10/20/23 13:26	10/23/23 17:59	EPA 8015M	
Diesel Range Organics	**116**	26.3	mg/kg dry	1	P3J1911	10/20/23 13:26	10/23/23 17:59	EPA 8015M	
Oil Range Organics	ND	26.3	mg/kg dry	1	P3J1911	10/20/23 13:26	10/23/23 17:59	EPA 8015M	
Surrogate: 1-Chlorooctane		*113 %*	*70-130*		*P3J1911*	*10/20/23 13:26*	*10/23/23 17:59*	*EPA 8015M*	
Surrogate: o-Terphenyl		*121 %*	*70-130*		*P3J1911*	*10/20/23 13:26*	*10/23/23 17:59*	*EPA 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**50.1**	1.05	mg/kg dry	1	P3J1609	10/16/23 11:59	10/17/23 02:30	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P3J1606	10/16/23 09:34	10/16/23 09:49	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

SP-10 @ 1'

3J13024-03 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 15:36	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 15:36	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 15:36	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 15:36	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 15:36	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*94.2 %*	*80-120*		*P3J1607*	*10/16/23 10:18*	*10/16/23 15:36*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*114 %*	*80-120*		*P3J1607*	*10/16/23 10:18*	*10/16/23 15:36*	*EPA 8021B*	
Xylenes (total)	ND	0.00211	mg/kg dry	1	[CALC]	10/16/23 10:18	10/16/23 15:36	EPA 8021B	
Total BTEX	ND	0.00105	mg/kg dry	1	[CALC]	10/16/23 10:18	10/16/23 15:36	EPA 8021B	
Organics by GC									
Gasoline Range Organics	ND	26.3	mg/kg dry	1	P3J1911	10/20/23 13:26	10/23/23 18:23	EPA 8015M	
Diesel Range Organics	ND	26.3	mg/kg dry	1	P3J1911	10/20/23 13:26	10/23/23 18:23	EPA 8015M	
Oil Range Organics	ND	26.3	mg/kg dry	1	P3J1911	10/20/23 13:26	10/23/23 18:23	EPA 8015M	
Surrogate: 1-Chlorooctane		*110 %*	*70-130*		*P3J1911*	*10/20/23 13:26*	*10/23/23 18:23*	*EPA 8015M*	
Surrogate: o-Terphenyl		*118 %*	*70-130*		*P3J1911*	*10/20/23 13:26*	*10/23/23 18:23*	*EPA 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**25.4**	1.05	mg/kg dry	1	P3J1609	10/16/23 11:59	10/17/23 11:34	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P3J1606	10/16/23 09:34	10/16/23 09:49	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

SP-11 @ 1'

3J13024-04 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 16:00	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 16:00	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 16:00	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 16:00	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 16:00	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*111 %*	*80-120*		*P3J1607*	*10/16/23 10:18*	*10/16/23 16:00*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.1 %*	*80-120*		*P3J1607*	*10/16/23 10:18*	*10/16/23 16:00*	*EPA 8021B*	
Xylenes (total)	ND	0.00215	mg/kg dry	1	[CALC]	10/16/23 10:18	10/16/23 16:00	EPA 8021B	
Total BTEX	ND	0.00108	mg/kg dry	1	[CALC]	10/16/23 10:18	10/16/23 16:00	EPA 8021B	
Organics by GC									
Gasoline Range Organics	ND	26.9	mg/kg dry	1	P3J1911	10/20/23 13:26	10/23/23 18:47	EPA 8015M	
Diesel Range Organics	ND	26.9	mg/kg dry	1	P3J1911	10/20/23 13:26	10/23/23 18:47	EPA 8015M	
Oil Range Organics	ND	26.9	mg/kg dry	1	P3J1911	10/20/23 13:26	10/23/23 18:47	EPA 8015M	
Surrogate: 1-Chlorooctane		*115 %*	*70-130*		*P3J1911*	*10/20/23 13:26*	*10/23/23 18:47*	*EPA 8015M*	
Surrogate: o-Terphenyl		*125 %*	*70-130*		*P3J1911*	*10/20/23 13:26*	*10/23/23 18:47*	*EPA 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**31.4**	1.08	mg/kg dry	1	P3J1704	10/17/23 10:46	10/17/23 18:28	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P3J1606	10/16/23 09:34	10/16/23 09:49	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

SW-2 @ 1'

3J13024-05 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 16:25	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 16:25	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 16:25	EPA 8021B	
Xylene (p/m)	**0.00492**	0.00204	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 16:25	EPA 8021B	
Xylene (o)	**0.00347**	0.00102	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 16:25	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*93.6 %*	*80-120*		*P3J1607*	*10/16/23 10:18*	*10/16/23 16:25*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*112 %*	*80-120*		*P3J1607*	*10/16/23 10:18*	*10/16/23 16:25*	*EPA 8021B*	
Xylenes (total)	**0.00839**	0.00204	mg/kg dry	1	[CALC]	10/16/23 10:18	10/16/23 16:25	EPA 8021B	
Total BTEX	**0.00839**	0.00102	mg/kg dry	1	[CALC]	10/16/23 10:18	10/16/23 16:25	EPA 8021B	
Organics by GC									
Gasoline Range Organics	**28.3**	25.5	mg/kg dry	1	P3J1911	10/20/23 13:26	10/23/23 19:11	EPA 8015M	
Diesel Range Organics	**332**	25.5	mg/kg dry	1	P3J1911	10/20/23 13:26	10/23/23 19:11	EPA 8015M	
Oil Range Organics	**59.9**	25.5	mg/kg dry	1	P3J1911	10/20/23 13:26	10/23/23 19:11	EPA 8015M	
Surrogate: 1-Chlorooctane		*112 %*	*70-130*		*P3J1911*	*10/20/23 13:26*	*10/23/23 19:11*	*EPA 8015M*	
Surrogate: o-Terphenyl		*122 %*	*70-130*		*P3J1911*	*10/20/23 13:26*	*10/23/23 19:11*	*EPA 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**627**	1.02	mg/kg dry	1	P3J1704	10/17/23 10:46	10/17/23 19:11	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P3J1606	10/16/23 09:34	10/16/23 09:49	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

SW-3 @ 1'

3J13024-06 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 16:49	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 16:49	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 16:49	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 16:49	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 16:49	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*113 %*	*80-120*		*P3J1607*	*10/16/23 10:18*	*10/16/23 16:49*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*94.5 %*	*80-120*		*P3J1607*	*10/16/23 10:18*	*10/16/23 16:49*	*EPA 8021B*	
Xylenes (total)	**0.00239**	0.00206	mg/kg dry	1	[CALC]	10/16/23 10:18	10/16/23 16:49	EPA 8021B	
Total BTEX	ND	0.00103	mg/kg dry	1	[CALC]	10/16/23 10:18	10/16/23 16:49	EPA 8021B	
Organics by GC									
Gasoline Range Organics	**31.0**	25.8	mg/kg dry	1	P3J1911	10/20/23 13:26	10/23/23 19:35	EPA 8015M	
Diesel Range Organics	**802**	25.8	mg/kg dry	1	P3J1911	10/20/23 13:26	10/23/23 19:35	EPA 8015M	
Oil Range Organics	**159**	25.8	mg/kg dry	1	P3J1911	10/20/23 13:26	10/23/23 19:35	EPA 8015M	
Surrogate: 1-Chlorooctane		*103 %*	*70-130*		*P3J1911*	*10/20/23 13:26*	*10/23/23 19:35*	*EPA 8015M*	
Surrogate: o-Terphenyl		*122 %*	*70-130*		*P3J1911*	*10/20/23 13:26*	*10/23/23 19:35*	*EPA 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**535**	1.03	mg/kg dry	1	P3J1704	10/17/23 10:46	10/17/23 19:25	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P3J1606	10/16/23 09:34	10/16/23 09:49	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

SW-4 @ 2'

3J13024-07 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 17:14	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 17:14	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 17:14	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 17:14	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 17:14	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*119 %*	*80-120*		*P3J1607*	*10/16/23 10:18*	*10/16/23 17:14*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.7 %*	*80-120*		*P3J1607*	*10/16/23 10:18*	*10/16/23 17:14*	*EPA 8021B*	
Xylenes (total)	ND	0.00202	mg/kg dry	1	[CALC]	10/16/23 10:18	10/16/23 17:14	EPA 8021B	
Total BTEX	ND	0.00101	mg/kg dry	1	[CALC]	10/16/23 10:18	10/16/23 17:14	EPA 8021B	
Organics by GC									
Gasoline Range Organics	ND	25.3	mg/kg dry	1	P3J1911	10/20/23 13:26	10/23/23 19:59	EPA 8015M	
Diesel Range Organics	**58.5**	25.3	mg/kg dry	1	P3J1911	10/20/23 13:26	10/23/23 19:59	EPA 8015M	
Oil Range Organics	ND	25.3	mg/kg dry	1	P3J1911	10/20/23 13:26	10/23/23 19:59	EPA 8015M	
Surrogate: 1-Chlorooctane		*107 %*	*70-130*		*P3J1911*	*10/20/23 13:26*	*10/23/23 19:59*	*EPA 8015M*	
Surrogate: o-Terphenyl		*115 %*	*70-130*		*P3J1911*	*10/20/23 13:26*	*10/23/23 19:59*	*EPA 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**347**	1.01	mg/kg dry	1	P3J1704	10/17/23 10:46	10/17/23 19:39	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P3J1606	10/16/23 09:34	10/16/23 09:49	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
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SW-5 @ 2'

3J13024-08 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 18:27	EPA 8021B	
Toluene	**0.00300**	0.00102	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 18:27	EPA 8021B	
Ethylbenzene	**0.00331**	0.00102	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 18:27	EPA 8021B	
Xylene (p/m)	**0.0195**	0.00204	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 18:27	EPA 8021B	
Xylene (o)	**0.0101**	0.00102	mg/kg dry	1	P3J1607	10/16/23 10:18	10/16/23 18:27	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*110 %*	*80-120*		*P3J1607*	*10/16/23 10:18*	*10/16/23 18:27*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*93.7 %*	*80-120*		*P3J1607*	*10/16/23 10:18*	*10/16/23 18:27*	*EPA 8021B*	
Xylenes (total)	**0.0295**	0.00204	mg/kg dry	1	[CALC]	10/16/23 10:18	10/16/23 18:27	EPA 8021B	
Total BTEX	**0.0358**	0.00102	mg/kg dry	1	[CALC]	10/16/23 10:18	10/16/23 18:27	EPA 8021B	
Organics by GC									
Gasoline Range Organics	**27.9**	25.5	mg/kg dry	1	P3J1911	10/20/23 13:26	10/23/23 20:23	EPA 8015M	
Diesel Range Organics	**229**	25.5	mg/kg dry	1	P3J1911	10/20/23 13:26	10/23/23 20:23	EPA 8015M	
Oil Range Organics	**35.4**	25.5	mg/kg dry	1	P3J1911	10/20/23 13:26	10/23/23 20:23	EPA 8015M	
Surrogate: 1-Chlorooctane		*98.2 %*	*70-130*		*P3J1911*	*10/20/23 13:26*	*10/23/23 20:23*	*EPA 8015M*	
Surrogate: o-Terphenyl		*99.8 %*	*70-130*		*P3J1911*	*10/20/23 13:26*	*10/23/23 20:23*	*EPA 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**320**	1.02	mg/kg dry	1	P3J1704	10/17/23 10:46	10/17/23 19:54	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P3J1606	10/16/23 09:34	10/16/23 09:49	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

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 P3J1607 - * DEFAULT PREP *** **										
Blank (P3J1607-BLK1)				Prepared & Analyzed: 10/16/23						
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: 4-Bromofluorobenzene	*0.130*		"	*0.120*		*109*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*95.5*	*80-120*			
LCS (P3J1607-BS1)				Prepared & Analyzed: 10/16/23						
Benzene	0.119	0.00100	mg/kg	0.100		119	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.115	0.00100	"	0.100		115	80-120			
Xylene (p/m)	0.238	0.00200	"	0.200		119	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 4-Bromofluorobenzene	*0.125*		"	*0.120*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.8*	*80-120*			
LCS Dup (P3J1607-BSD1)				Prepared & Analyzed: 10/16/23						
Benzene	0.119	0.00100	mg/kg	0.100		119	80-120	0.521	20	
Toluene	0.112	0.00100	"	0.100		112	80-120	1.14	20	
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120	3.49	20	
Xylene (p/m)	0.234	0.00200	"	0.200		117	80-120	1.65	20	
Xylene (o)	0.104	0.00100	"	0.100		104	80-120	1.96	20	
Surrogate: 4-Bromofluorobenzene	*0.127*		"	*0.120*		*106*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		"	*0.120*		*97.9*	*80-120*			
Calibration Blank (P3J1607-CCB1)				Prepared & Analyzed: 10/16/23						
Benzene	0.280		ug/kg							
Toluene	0.280		"							
Ethylbenzene	0.190		"							
Xylene (p/m)	0.240		"							
Xylene (o)	0.0900		"							
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*96.1*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.131*		"	*0.120*		*109*	*80-120*			

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

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 P3J1607 - * DEFAULT PREP *** **										
Calibration Blank (P3J1607-CCB2)				Prepared & Analyzed: 10/16/23						
Benzene	0.270		ug/kg							
Toluene	0.260		"							
Ethylbenzene	0.140		"							
Xylene (p/m)	0.190		"							
Xylene (o)	0.220		"							
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.6*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.133*		*"*	*0.120*		*111*	*80-120*			
Calibration Check (P3J1607-CCV1)				Prepared & Analyzed: 10/16/23						
Benzene	0.109	0.00100	mg/kg	0.100		109	80-120			
Toluene	0.100	0.00100	"	0.100		100	80-120			
Ethylbenzene	0.100	0.00100	"	0.100		100	80-120			
Xylene (p/m)	0.209	0.00200	"	0.200		105	80-120			
Xylene (o)	0.0948	0.00100	"	0.100		94.8	80-120			
Surrogate: 4-Bromofluorobenzene	*0.129*		*"*	*0.120*		*107*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.1*	*75-125*			
Calibration Check (P3J1607-CCV2)				Prepared & Analyzed: 10/16/23						
Benzene	0.120	0.00100	mg/kg	0.100		120	80-120			
Toluene	0.110	0.00100	"	0.100		110	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.224	0.00200	"	0.200		112	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	*0.129*		*"*	*0.120*		*107*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.6*	*75-125*			
Calibration Check (P3J1607-CCV3)				Prepared & Analyzed: 10/16/23						
Benzene	0.119	0.00100	mg/kg	0.100		119	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.111	0.00100	"	0.100		111	80-120			
Xylene (p/m)	0.224	0.00200	"	0.200		112	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 4-Bromofluorobenzene	*0.131*		*"*	*0.120*		*109*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.114*		*"*	*0.120*		*95.1*	*75-125*			

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

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 P3J1607 - * DEFAULT PREP *** **										
Matrix Spike (P3J1607-MS1)	**Source: 3J13002-01**			Prepared & Analyzed: 10/16/23						
Benzene	0.0954	0.00105	mg/kg dry	0.105	ND	90.6	80-120			
Toluene	0.0631	0.00105	"	0.105	ND	59.9	80-120			QM-05
Ethylbenzene	0.0358	0.00105	"	0.105	ND	34.0	80-120			QM-05
Xylene (p/m)	0.0838	0.00211	"	0.211	0.00249	38.6	80-120			QM-05
Xylene (o)	0.0373	0.00105	"	0.105	0.000832	34.6	80-120			QM-05
Surrogate: 1,4-Difluorobenzene	*0.122*		"	*0.126*		*96.6*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.135*		"	*0.126*		*107*	*80-120*			
Matrix Spike Dup (P3J1607-MSD1)	**Source: 3J13002-01**			Prepared & Analyzed: 10/16/23						
Benzene	0.0966	0.00105	mg/kg dry	0.105	ND	91.8	80-120	1.27	20	
Toluene	0.0647	0.00105	"	0.105	ND	61.5	80-120	2.52	20	QM-05
Ethylbenzene	0.0364	0.00105	"	0.105	ND	34.6	80-120	1.63	20	QM-05
Xylene (p/m)	0.0901	0.00211	"	0.211	0.00249	41.6	80-120	7.54	20	QM-05
Xylene (o)	0.0402	0.00105	"	0.105	0.000832	37.4	80-120	7.88	20	QM-05
Surrogate: 1,4-Difluorobenzene	*0.123*		"	*0.126*		*97.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.137*		"	*0.126*		*108*	*80-120*			

GHD Services-Midland	Project: South Bell Lake 263H Release
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Midland TX, 79703	Project Manager: Daniel Sparks

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 P3J1911 - TX 1005										
Blank (P3J1911-BLK1)				Prepared: 10/20/23 Analyzed: 10/23/23						
Gasoline Range Organics	ND	25.0	mg/kg							
Diesel Range Organics	ND	25.0	"							
Oil Range Organics	ND	25.0	"							
Surrogate: 1-Chlorooctane	*4.05*		*"*	*4.00*		*101*	*70-130*			
Surrogate: o-Terphenyl	*2.54*		*"*	*2.00*		*127*	*70-130*			
LCS (P3J1911-BS1)				Prepared: 10/20/23 Analyzed: 10/23/23						
Gasoline Range Organics	1410	25.0	mg/kg				75-125			
Diesel Range Organics	1380	25.0	"	1400		98.8	75-125			
Surrogate: 1-Chlorooctane	*95.8*		*"*	*100*		*95.8*	*70-130*			
Surrogate: o-Terphenyl	*45.7*		*"*	*50.0*		*91.4*	*70-130*			
LCS Dup (P3J1911-BSD1)				Prepared: 10/20/23 Analyzed: 10/23/23						
Gasoline Range Organics	1580	25.0	mg/kg				75-125		20	
Diesel Range Organics	1560	25.0	"	1550		100	75-125	1.70	20	
Surrogate: 1-Chlorooctane	*91.0*		*"*	*100*		*91.0*	*70-130*			
Surrogate: o-Terphenyl	*56.0*		*"*	*50.0*		*112*	*70-130*			
Calibration Check (P3J1911-CCV1)				Prepared: 10/20/23 Analyzed: 10/23/23						
Gasoline Range Organics	663	25.0	mg/kg	600		111	85-115			
Diesel Range Organics	642	25.0	"	600		107	85-115			
Surrogate: 1-Chlorooctane	*122*		*"*	*100*		*122*	*85-115*			
Surrogate: o-Terphenyl	*55.2*		*"*	*50.0*		*110*	*85-115*			
Calibration Check (P3J1911-CCV2)				Prepared: 10/20/23 Analyzed: 10/23/23						
Gasoline Range Organics	720	25.0	mg/kg	700		103	85-115			
Diesel Range Organics	796	25.0	"	700		114	85-115			
Surrogate: 1-Chlorooctane	*118*		*"*	*100*		*118*	*85-115*			
Surrogate: o-Terphenyl	*56.2*		*"*	*50.0*		*112*	*85-115*			

GHD Services-Midland	Project: South Bell Lake 263H Release
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Midland TX, 79703	Project Manager: Daniel Sparks

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 P3J1606 - * DEFAULT PREP *** **										
Blank (P3J1606-BLK1)				Prepared & Analyzed: 10/16/23						
% Moisture	ND	0.1	%							
Blank (P3J1606-BLK2)				Prepared & Analyzed: 10/16/23						
% Moisture	ND	0.1	%							
Blank (P3J1606-BLK3)				Prepared & Analyzed: 10/16/23						
% Moisture	ND	0.1	%							
Blank (P3J1606-BLK4)				Prepared & Analyzed: 10/16/23						
% Moisture	ND	0.1	%							
Blank (P3J1606-BLK5)				Prepared & Analyzed: 10/16/23						
% Moisture	ND	0.1	%							
Blank (P3J1606-BLK6)				Prepared & Analyzed: 10/16/23						
% Moisture	ND	0.1	%							
Duplicate (P3J1606-DUP1)	**Source: 3J13003-05**			Prepared & Analyzed: 10/16/23						
% Moisture	8.0	0.1	%		8.0			0.00	20	
Duplicate (P3J1606-DUP2)	**Source: 3J13004-07**			Prepared & Analyzed: 10/16/23						
% Moisture	6.0	0.1	%		6.0			0.00	20	
Duplicate (P3J1606-DUP3)	**Source: 3J13004-22**			Prepared & Analyzed: 10/16/23						
% Moisture	5.0	0.1	%		5.0			0.00	20	
Duplicate (P3J1606-DUP4)	**Source: 3J13009-01**			Prepared & Analyzed: 10/16/23						
% Moisture	8.0	0.1	%		8.0			0.00	20	

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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 P3J1606 - * DEFAULT PREP *** **										
Duplicate (P3J1606-DUP5)		**Source: 3J13015-07**		Prepared & Analyzed: 10/16/23						
% Moisture	5.0	0.1	%		5.0			0.00	20	
Duplicate (P3J1606-DUP6)		**Source: 3J13016-05**		Prepared & Analyzed: 10/16/23						
% Moisture	3.0	0.1	%		3.0			0.00	20	
Duplicate (P3J1606-DUP7)		**Source: 3J13017-07**		Prepared & Analyzed: 10/16/23						
% Moisture	12.0	0.1	%		13.0			8.00	20	
Duplicate (P3J1606-DUP8)		**Source: 3J13017-17**		Prepared & Analyzed: 10/16/23						
% Moisture	11.0	0.1	%		11.0			0.00	20	
Duplicate (P3J1606-DUP9)		**Source: 3J13017-32**		Prepared & Analyzed: 10/16/23						
% Moisture	6.0	0.1	%		5.0			18.2	20	
Duplicate (P3J1606-DUPA)		**Source: 3J13020-02**		Prepared & Analyzed: 10/16/23						
% Moisture	9.0	0.1	%		8.0			11.8	20	
Duplicate (P3J1606-DUPB)		**Source: 3J13022-10**		Prepared & Analyzed: 10/16/23						
% Moisture	7.0	0.1	%		7.0			0.00	20	
Duplicate (P3J1606-DUPC)		**Source: 3J13024-03**		Prepared & Analyzed: 10/16/23						
% Moisture	5.0	0.1	%		5.0			0.00	20	
Batch P3J1609 - * DEFAULT PREP *** **										
Blank (P3J1609-BLK1)				Prepared & Analyzed: 10/16/23						
Chloride	ND	1.00	mg/kg							

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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 P3J1609 - * DEFAULT PREP *** **										
LCS (P3J1609-BS1)				Prepared & Analyzed: 10/16/23						
Chloride	22.9		mg/kg	24.0		95.5	90-110			
LCS Dup (P3J1609-BSD1)				Prepared & Analyzed: 10/16/23						
Chloride	22.7		mg/kg	24.0		94.6	90-110	0.938	10	
Calibration Check (P3J1609-CCV1)				Prepared & Analyzed: 10/16/23						
Chloride	20.3		mg/kg	20.0		101	90-110			
Calibration Check (P3J1609-CCV2)				Prepared & Analyzed: 10/16/23						
Chloride	21.2		mg/kg	20.0		106	90-110			
Matrix Spike (P3J1609-MS1)		**Source: 3J13022-01**		Prepared & Analyzed: 10/16/23						
Chloride	115		mg/kg	100	4.98	110	80-120			
Matrix Spike (P3J1609-MS2)		**Source: 3J13022-11**		Prepared: 10/16/23 Analyzed: 10/17/23						
Chloride	126		mg/kg	100	10.7	115	80-120			
Matrix Spike Dup (P3J1609-MSD1)		**Source: 3J13022-01**		Prepared & Analyzed: 10/16/23						
Chloride	115		mg/kg	100	4.98	110	80-120	0.0953	20	
Matrix Spike Dup (P3J1609-MSD2)		**Source: 3J13022-11**		Prepared: 10/16/23 Analyzed: 10/17/23						
Chloride	125		mg/kg	100	10.7	115	80-120	0.427	20	
Batch P3J1704 - * DEFAULT PREP *** **										
Blank (P3J1704-BLK1)				Prepared & Analyzed: 10/17/23						
Chloride	ND	1.00	mg/kg							

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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 P3J1704 - * DEFAULT PREP *** **										
LCS (P3J1704-BS1)				Prepared & Analyzed: 10/17/23						
Chloride	22.9		mg/kg	24.0		95.6	90-110			
LCS Dup (P3J1704-BSD1)				Prepared & Analyzed: 10/17/23						
Chloride	23.6		mg/kg	24.0		98.2	90-110	2.65	10	
Calibration Check (P3J1704-CCV1)				Prepared & Analyzed: 10/17/23						
Chloride	23.9		mg/kg	24.0		99.5	90-110			
Calibration Check (P3J1704-CCV2)				Prepared: 10/17/23 Analyzed: 10/18/23						
Chloride	24.8		mg/kg	24.0		103	90-110			
Matrix Spike (P3J1704-MS1)		**Source: 3J13024-04**		Prepared & Analyzed: 10/17/23						
Chloride	131		mg/kg	100	0.585	131	80-120			QM-05
Matrix Spike (P3J1704-MS2)		**Source: 3J13026-06**		Prepared: 10/17/23 Analyzed: 10/18/23						
Chloride	156		mg/kg	100	31.7	124	80-120			QM-05
Matrix Spike Dup (P3J1704-MSD1)		**Source: 3J13024-04**		Prepared & Analyzed: 10/17/23						
Chloride	131		mg/kg	100	0.585	131	80-120	0.0609	20	QM-05
Matrix Spike Dup (P3J1704-MSD2)		**Source: 3J13026-06**		Prepared: 10/17/23 Analyzed: 10/18/23						
Chloride	157		mg/kg	100	31.7	126	80-120	0.795	20	QM-05

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Daniel Sparks

Notes and Definitions

ROI	Received on Ice
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.
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: Brent Barron Date: 10/26/2023

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____ W: _____

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701
Phone: 432-686-7235

Project Manager: Nate Reece
Company Name: GHD
Company Address: 2135 S Loop 250 W
City/State/Zip: Midland, TX 79703
Telephone No: 432 967 6850
Sampler Signature: ~C Rys

Project Name: South Bell Lake
Project #: 12622000
Project Loc: Rural Jal, NM
PO #: _____
Report Format: ☐ Standard ☐ TRRP ☐ NPDES
Fax No: _____
e-mail: nate.reece@ghd.com

(lab use only)
ORDER #: 3J13024

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 (Specify)	Matrix: DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Analyze For: TCLP: TOTAL: TPH: TX 1005	TPH: TX 1006	Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	TPH 8015	BTEX 8021B	Chlorides 300.0	RUSH TAT (Pre-Schedule) 24, 48, 72h	Standard TAT
1	SP-8		2'	10/13/23	830		1	X								S						X	X	X	X	
2	SP-9		1'		1016																					
3	SP-10				1040																					
4	SP-11				1120																					
5	SW-3				1125																					
6	SW-3				1130																					
7	SW-4		2'		1200																					
8	SW-5		2'		1210																					

Special Instructions: Please email results to Karolanne.Rudgers@Plains.com

Relinquished by:	Date	Time	Received by:	Date	Time
~C Rys	10/13/23	1543			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
			Nina Bledroe	10/13/23	15:43

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N
by Courier? UPS DHL FedEx Lone Star		

Temperature Upon Receipt:
Received: 4.2 °C Thermometer: NCF3
Adjusted: °C Factor:

PBEL_COC_2021_1 Revision #: 2021_1 Effective Date: 9-21-21 Page __ of __

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

PBELAB

Analytical Report

Prepared for:

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

Project: South Bell Lake 263H Release
Project Number: 12622000
Location: Rural Jal, NM

Lab Order Number: 3K09004

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 11/16/23

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP-1A	3K09004-01	Soil	11/07/23 09:00	11-09-2023 13:06
SP-2A	3K09004-02	Soil	11/07/23 09:02	11-09-2023 13:06
SP-3A	3K09004-03	Soil	11/07/23 09:04	11-09-2023 13:06
SP-5A	3K09004-04	Soil	11/07/23 09:06	11-09-2023 13:06
SP-6A	3K09004-05	Soil	11/07/23 09:08	11-09-2023 13:06
SP-8A	3K09004-06	Soil	11/07/23 09:10	11-09-2023 13:06
SP-9A	3K09004-07	Soil	11/07/23 12:55	11-09-2023 13:06
SW-1(1') A	3K09004-08	Soil	11/07/23 09:12	11-09-2023 13:06
SW-2(1') ASW-2(1') A	3K09004-09	Soil	11/07/23 09:14	11-09-2023 13:06
SW-3(1') A	3K09004-10	Soil	11/07/23 09:16	11-09-2023 13:06
SW-5(1') A	3K09004-11	Soil	11/07/23 09:16	11-09-2023 13:06
WC-1	3K09004-12	Soil	11/07/23 09:16	11-09-2023 13:06

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.

TCLP Benzene, TCLP Metals and 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

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

SP-1A

3K09004-01 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 20:01	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 20:01	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 20:01	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 20:01	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 20:01	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		*P3K1005*	*11/10/23 14:25*	*11/10/23 20:01*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.3 %*	*80-120*		*P3K1005*	*11/10/23 14:25*	*11/10/23 20:01*	*EPA 8021B*	
Xylenes (total)	ND	0.00215	mg/kg dry	1	[CALC]	11/10/23 14:25	11/10/23 20:01	EPA 8021B	
Total BTEX	ND	0.00108	mg/kg dry	1	[CALC]	11/10/23 14:25	11/10/23 20:01	EPA 8021B	
Organics by GC									
Gasoline Range Organics	ND	26.9	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Diesel Range Organics	**42.8**	26.9	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Oil Range Organics	ND	26.9	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Surrogate: 1-Chlorooctane		*100 %*	*70-130*		*P3K0904*	*11/09/23 14:17*	*11/16/23 11:49*	*EPA 8015M*	
Surrogate: o-Terphenyl		*116 %*	*70-130*		*P3K0904*	*11/09/23 14:17*	*11/16/23 11:49*	*EPA 8015M*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
Total Petroleum Hydrocarbon C6-C35	**42.8**	26.9	mg/kg dry	1	[CALC]	11/09/23 14:17	11/10/23 15:00	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**51.6**	1.08	mg/kg dry	1	P3K1002	11/10/23 11:47	11/13/23 18:38	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P3K1001	11/10/23 10:15	11/10/23 10:19	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

SP-2A

3K09004-02 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00106	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 20:25	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 20:25	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 20:25	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 20:25	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 20:25	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*96.0 %*	*80-120*		*P3K1005*	*11/10/23 14:25*	*11/10/23 20:25*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*107 %*	*80-120*		*P3K1005*	*11/10/23 14:25*	*11/10/23 20:25*	*EPA 8021B*	
Xylenes (total)	ND	0.00213	mg/kg dry	1	[CALC]	11/10/23 14:25	11/10/23 20:25	EPA 8021B	
Total BTEX	ND	0.00106	mg/kg dry	1	[CALC]	11/10/23 14:25	11/10/23 20:25	EPA 8021B	
Organics by GC									
Gasoline Range Organics	ND	26.6	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Diesel Range Organics	ND	26.6	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Oil Range Organics	ND	26.6	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Surrogate: 1-Chlorooctane		*80.6 %*	*70-130*		*P3K0904*	*11/09/23 14:17*	*11/16/23 11:49*	*EPA 8015M*	
Surrogate: o-Terphenyl		*2.32 %*	*70-130*		*P3K0904*	*11/09/23 14:17*	*11/16/23 11:49*	*EPA 8015M*	*S-GC*
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	11/09/23 14:17	11/10/23 15:00	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**60.3**	1.06	mg/kg dry	1	P3K1002	11/10/23 11:47	11/13/23 18:52	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P3K1001	11/10/23 10:15	11/10/23 10:19	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

SP-3A

3K09004-03 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00112	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 20:49	EPA 8021B	
Toluene	ND	0.00112	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 20:49	EPA 8021B	
Ethylbenzene	ND	0.00112	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 20:49	EPA 8021B	
Xylene (p/m)	ND	0.00225	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 20:49	EPA 8021B	
Xylene (o)	ND	0.00112	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 20:49	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*107 %*	*80-120*		*P3K1005*	*11/10/23 14:25*	*11/10/23 20:49*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.6 %*	*80-120*		*P3K1005*	*11/10/23 14:25*	*11/10/23 20:49*	*EPA 8021B*	
Xylenes (total)	ND	0.00225	mg/kg dry	1	[CALC]	11/10/23 14:25	11/10/23 20:49	EPA 8021B	
Total BTEX	ND	0.00112	mg/kg dry	1	[CALC]	11/10/23 14:25	11/10/23 20:49	EPA 8021B	
Organics by GC									
Gasoline Range Organics	ND	28.1	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Diesel Range Organics	ND	28.1	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Oil Range Organics	ND	28.1	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Surrogate: 1-Chlorooctane		*108 %*	*70-130*		*P3K0904*	*11/09/23 14:17*	*11/16/23 11:49*	*EPA 8015M*	
Surrogate: o-Terphenyl		*125 %*	*70-130*		*P3K0904*	*11/09/23 14:17*	*11/16/23 11:49*	*EPA 8015M*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
Total Petroleum Hydrocarbon C6-C35	ND	28.1	mg/kg dry	1	[CALC]	11/09/23 14:17	11/10/23 15:00	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**49.2**	1.12	mg/kg dry	1	P3K1002	11/10/23 11:47	11/13/23 19:06	EPA 300.0	
% Moisture	**11.0**	0.1	%	1	P3K1001	11/10/23 10:15	11/10/23 10:19	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

SP-5A

3K09004-04 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00110	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 21:14	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 21:14	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 21:14	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 21:14	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 21:14	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		*P3K1005*	*11/10/23 14:25*	*11/10/23 21:14*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.5 %*	*80-120*		*P3K1005*	*11/10/23 14:25*	*11/10/23 21:14*	*EPA 8021B*	
Xylenes (total)	ND	0.00220	mg/kg dry	1	[CALC]	11/10/23 14:25	11/10/23 21:14	EPA 8021B	
Total BTEX	ND	0.00110	mg/kg dry	1	[CALC]	11/10/23 14:25	11/10/23 21:14	EPA 8021B	
Organics by GC									
Gasoline Range Organics	ND	27.5	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Diesel Range Organics	ND	27.5	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Oil Range Organics	ND	27.5	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Surrogate: 1-Chlorooctane		*105 %*	*70-130*		*P3K0904*	*11/09/23 14:17*	*11/16/23 11:49*	*EPA 8015M*	
Surrogate: o-Terphenyl		*122 %*	*70-130*		*P3K0904*	*11/09/23 14:17*	*11/16/23 11:49*	*EPA 8015M*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	11/09/23 14:17	11/10/23 15:00	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**49.3**	1.10	mg/kg dry	1	P3K1002	11/10/23 11:47	11/13/23 19:21	EPA 300.0	
% Moisture	**9.0**	0.1	%	1	P3K1001	11/10/23 10:15	11/10/23 10:19	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

SP-6A

3K09004-05 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00111	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 21:38	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 21:38	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 21:38	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 21:38	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 21:38	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*92.5 %*	*80-120*		*P3K1005*	*11/10/23 14:25*	*11/10/23 21:38*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		*P3K1005*	*11/10/23 14:25*	*11/10/23 21:38*	*EPA 8021B*	
Xylenes (total)	ND	0.00222	mg/kg dry	1	[CALC]	11/10/23 14:25	11/10/23 21:38	EPA 8021B	
Total BTEX	ND	0.00111	mg/kg dry	1	[CALC]	11/10/23 14:25	11/10/23 21:38	EPA 8021B	
Organics by GC									
Gasoline Range Organics	ND	27.8	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Diesel Range Organics	**31.2**	27.8	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Oil Range Organics	ND	27.8	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Surrogate: 1-Chlorooctane		*78.0 %*	*70-130*		*P3K0904*	*11/09/23 14:17*	*11/16/23 11:49*	*EPA 8015M*	
Surrogate: o-Terphenyl		*90.8 %*	*70-130*		*P3K0904*	*11/09/23 14:17*	*11/16/23 11:49*	*EPA 8015M*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
Total Petroleum Hydrocarbon C6-C35	**31.2**	27.8	mg/kg dry	1	[CALC]	11/09/23 14:17	11/10/23 15:00	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**40.0**	1.11	mg/kg dry	1	P3K1002	11/10/23 11:47	11/13/23 19:35	EPA 300.0	
% Moisture	**10.0**	0.1	%	1	P3K1001	11/10/23 10:15	11/10/23 10:19	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

SP-8A

3K09004-06 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 22:02	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 22:02	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 22:02	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 22:02	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 22:02	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*94.7 %*	*80-120*		*P3K1005*	*11/10/23 14:25*	*11/10/23 22:02*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		*P3K1005*	*11/10/23 14:25*	*11/10/23 22:02*	*EPA 8021B*	
Xylenes (total)	ND	0.00215	mg/kg dry	1	[CALC]	11/10/23 14:25	11/10/23 22:02	EPA 8021B	
Total BTEX	ND	0.00108	mg/kg dry	1	[CALC]	11/10/23 14:25	11/10/23 22:02	EPA 8021B	
Organics by GC									
Gasoline Range Organics	ND	26.9	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Diesel Range Organics	**77.1**	26.9	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Oil Range Organics	ND	26.9	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Surrogate: 1-Chlorooctane		*87.5 %*	*70-130*		*P3K0904*	*11/09/23 14:17*	*11/16/23 11:49*	*EPA 8015M*	*S-07*
Surrogate: o-Terphenyl		*106 %*	*70-130*		*P3K0904*	*11/09/23 14:17*	*11/16/23 11:49*	*EPA 8015M*	*S-07*
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
Total Petroleum Hydrocarbon C6-C35	**77.1**	26.9	mg/kg dry	1	[CALC]	11/09/23 14:17	11/10/23 15:00	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**32.8**	1.08	mg/kg dry	1	P3K1002	11/10/23 11:47	11/13/23 19:49	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P3K1001	11/10/23 10:15	11/10/23 10:19	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

SP-9A

3K09004-07 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 22:27	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 22:27	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 22:27	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 22:27	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 22:27	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		*P3K1005*	*11/10/23 14:25*	*11/10/23 22:27*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*94.2 %*	*80-120*		*P3K1005*	*11/10/23 14:25*	*11/10/23 22:27*	*EPA 8021B*	
Xylenes (total)	ND	0.00215	mg/kg dry	1	[CALC]	11/10/23 14:25	11/10/23 22:27	EPA 8021B	
Total BTEX	ND	0.00108	mg/kg dry	1	[CALC]	11/10/23 14:25	11/10/23 22:27	EPA 8021B	
Organics by GC									
Gasoline Range Organics	ND	26.9	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Diesel Range Organics	ND	26.9	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Oil Range Organics	ND	26.9	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Surrogate: 1-Chlorooctane		*100 %*	*70-130*		*P3K0904*	*11/09/23 14:17*	*11/16/23 11:49*	*EPA 8015M*	
Surrogate: o-Terphenyl		*124 %*	*70-130*		*P3K0904*	*11/09/23 14:17*	*11/16/23 11:49*	*EPA 8015M*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	11/09/23 14:17	11/10/23 15:00	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**158**	5.38	mg/kg dry	5	P3K1002	11/10/23 11:47	11/13/23 20:32	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P3K1001	11/10/23 10:15	11/10/23 10:19	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

SW-1(1') A

3K09004-08 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 22:51	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 22:51	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 22:51	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 22:51	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 22:51	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		*P3K1005*	*11/10/23 14:25*	*11/10/23 22:51*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*93.8 %*	*80-120*		*P3K1005*	*11/10/23 14:25*	*11/10/23 22:51*	*EPA 8021B*	
Xylenes (total)	ND	0.00215	mg/kg dry	1	[CALC]	11/10/23 14:25	11/10/23 22:51	EPA 8021B	
Total BTEX	ND	0.00108	mg/kg dry	1	[CALC]	11/10/23 14:25	11/10/23 22:51	EPA 8021B	
Organics by GC									
Gasoline Range Organics	ND	26.9	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Diesel Range Organics	**251**	26.9	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Oil Range Organics	**45.9**	26.9	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Surrogate: 1-Chlorooctane		*71.3 %*	*70-130*		*P3K0904*	*11/09/23 14:17*	*11/16/23 11:49*	*EPA 8015M*	
Surrogate: o-Terphenyl		*85.5 %*	*70-130*		*P3K0904*	*11/09/23 14:17*	*11/16/23 11:49*	*EPA 8015M*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
Total Petroleum Hydrocarbon C6-C35	**251**	26.9	mg/kg dry	1	[CALC]	11/09/23 14:17	11/10/23 15:00	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**67.3**	1.08	mg/kg dry	1	P3K1002	11/10/23 11:47	11/13/23 21:15	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P3K1001	11/10/23 10:15	11/10/23 10:19	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

SW-2(1') ASW-2(1') A

3K09004-09 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 23:16	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 23:16	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 23:16	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 23:16	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 23:16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*107 %*	*80-120*		*P3K1005*	*11/10/23 14:25*	*11/10/23 23:16*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.2 %*	*80-120*		*P3K1005*	*11/10/23 14:25*	*11/10/23 23:16*	*EPA 8021B*	
Xylenes (total)	ND	0.00206	mg/kg dry	1	[CALC]	11/10/23 14:25	11/10/23 23:16	EPA 8021B	
Total BTEX	ND	0.00103	mg/kg dry	1	[CALC]	11/10/23 14:25	11/10/23 23:16	EPA 8021B	
Organics by GC									
Gasoline Range Organics	ND	25.8	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Diesel Range Organics	**87.8**	25.8	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Oil Range Organics	ND	25.8	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Surrogate: 1-Chlorooctane		*74.9 %*	*70-130*		*P3K0904*	*11/09/23 14:17*	*11/16/23 11:49*	*EPA 8015M*	
Surrogate: o-Terphenyl		*90.4 %*	*70-130*		*P3K0904*	*11/09/23 14:17*	*11/16/23 11:49*	*EPA 8015M*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
Total Petroleum Hydrocarbon C6-C35	**87.8**	25.8	mg/kg dry	1	[CALC]	11/09/23 14:17	11/10/23 15:00	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**12.6**	1.03	mg/kg dry	1	P3K1002	11/10/23 11:47	11/13/23 21:30	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P3K1001	11/10/23 10:15	11/10/23 10:19	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

SW-3(1') A

3K09004-10 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 23:40	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 23:40	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 23:40	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 23:40	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3K1005	11/10/23 14:25	11/10/23 23:40	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*94.1 %*	*80-120*		*P3K1005*	*11/10/23 14:25*	*11/10/23 23:40*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		*P3K1005*	*11/10/23 14:25*	*11/10/23 23:40*	*EPA 8021B*	
Xylenes (total)	ND	0.00211	mg/kg dry	1	[CALC]	11/10/23 14:25	11/10/23 23:40	EPA 8021B	
Total BTEX	ND	0.00105	mg/kg dry	1	[CALC]	11/10/23 14:25	11/10/23 23:40	EPA 8021B	
Organics by GC									
Gasoline Range Organics	ND	26.3	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Diesel Range Organics	ND	26.3	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Oil Range Organics	ND	26.3	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Surrogate: 1-Chlorooctane		*95.6 %*	*70-130*		*P3K0904*	*11/09/23 14:17*	*11/16/23 11:49*	*EPA 8015M*	
Surrogate: o-Terphenyl		*118 %*	*70-130*		*P3K0904*	*11/09/23 14:17*	*11/16/23 11:49*	*EPA 8015M*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	11/09/23 14:17	11/10/23 15:00	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**56.9**	1.05	mg/kg dry	1	P3K1002	11/10/23 11:47	11/13/23 21:44	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P3K1001	11/10/23 10:15	11/10/23 10:19	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

SW-5(1') A

3K09004-11 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P3K1005	11/10/23 14:25	11/11/23 00:53	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3K1005	11/10/23 14:25	11/11/23 00:53	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3K1005	11/10/23 14:25	11/11/23 00:53	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3K1005	11/10/23 14:25	11/11/23 00:53	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3K1005	11/10/23 14:25	11/11/23 00:53	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		*P3K1005*	*11/10/23 14:25*	*11/11/23 00:53*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*93.4 %*	*80-120*		*P3K1005*	*11/10/23 14:25*	*11/11/23 00:53*	*EPA 8021B*	
Xylenes (total)	ND	0.00211	mg/kg dry	1	[CALC]	11/10/23 14:25	11/11/23 00:53	EPA 8021B	
Total BTEX	ND	0.00105	mg/kg dry	1	[CALC]	11/10/23 14:25	11/11/23 00:53	EPA 8021B	
Organics by GC									
Gasoline Range Organics	ND	26.3	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Diesel Range Organics	**97.5**	26.3	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Oil Range Organics	ND	26.3	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Surrogate: 1-Chlorooctane		*89.2 %*	*70-130*		*P3K0904*	*11/09/23 14:17*	*11/16/23 11:49*	*EPA 8015M*	
Surrogate: o-Terphenyl		*112 %*	*70-130*		*P3K0904*	*11/09/23 14:17*	*11/16/23 11:49*	*EPA 8015M*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
Total Petroleum Hydrocarbon C6-C35	**97.5**	26.3	mg/kg dry	1	[CALC]	11/09/23 14:17	11/10/23 15:00	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**9.29**	1.05	mg/kg dry	1	P3K1002	11/10/23 11:47	11/13/23 21:58	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P3K1001	11/10/23 10:15	11/10/23 10:19	ASTM D2216	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

WC-1

3K09004-12 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Gasoline Range Organics	ND	27.8	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Diesel Range Organics	**241**	27.8	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Oil Range Organics	ND	27.8	mg/kg dry	1	P3K0904	11/09/23 14:17	11/16/23 11:49	EPA 8015M	
Surrogate: 1-Chlorooctane		*89.2 %*	*70-130*		*P3K0904*	*11/09/23 14:17*	*11/16/23 11:49*	*EPA 8015M*	
Surrogate: o-Terphenyl		*110 %*	*70-130*		*P3K0904*	*11/09/23 14:17*	*11/16/23 11:49*	*EPA 8015M*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.8	mg/kg dry	1	P3K0904	11/09/23 14:17	11/10/23 15:00	TPH 8015M	
>C12-C28	**241**	27.8	mg/kg dry	1	P3K0904	11/09/23 14:17	11/10/23 15:00	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P3K0904	11/09/23 14:17	11/10/23 15:00	TPH 8015M	
Surrogate: 1-Chlorooctane		*89.2 %*	*70-130*		*P3K0904*	*11/09/23 14:17*	*11/10/23 15:00*	*TPH 8015M*	
Surrogate: o-Terphenyl		*110 %*	*70-130*		*P3K0904*	*11/09/23 14:17*	*11/10/23 15:00*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**241**	27.8	mg/kg dry	1	[CALC]	11/09/23 14:17	11/10/23 15:00	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**49.2**	1.11	mg/kg dry	1	P3K1002	11/10/23 11:47	11/13/23 22:13	EPA 300.0	
Reactive Cyanide	ND	100	ppm	1	P3K1604	11/14/23 13:31	11/14/23 13:31	SW846 9010B	SUB-13
Ignitability by Flashpoint	> 212	50.0	°F	1	P3K1604	11/14/23 15:30	11/14/23 15:30	ASTM D93-80	SUB-13
pH	**8.35**	0.10	pH Units	1	P3K1604	11/13/23 09:21	11/13/23 09:21	EPA 9045B	SUB-13
Temp Deg C @ pH	**21.60**		pH Units	1	P3K1604	11/13/23 09:21	11/13/23 09:21	EPA 9045B	SUB-13
% Moisture	**10.0**	0.1	%	1	P3K1001	11/10/23 10:15	11/10/23 10:19	ASTM D2216	
Reactive Sulfide	ND	100	ppm	1	P3K1604	11/14/23 13:00	11/14/23 13:00	SW846 9030B	SUB-13
Naturally Occuring Radioactive Material (N.O.R.M.)									
Beryllium-7	ND	0.77	pCi/g	1	P3K1604	11/10/23 13:03	11/13/23 09:50	EPA 901.1	SUB12
Bismuth-212	ND	1.01	pCi/g	1	P3K1604	11/10/23 13:03	11/13/23 09:50	EPA 901.1	SUB12
Bismuth-214	**0.52**	0.29	pCi/g	1	P3K1604	11/10/23 13:03	11/13/23 09:50	EPA 901.1	SUB12
Potassium-40	**4.46**	1.44	pCi/g	1	P3K1604	11/10/23 13:03	11/13/23 09:50	EPA 901.1	SUB12
Lead 210	ND	1.66	pCi/g	1	P3K1604	11/10/23 13:03	11/13/23 09:50	EPA 901.1	SUB12
Lead-214	**0.62**	0.25	pCi/g	1	P3K1604	11/10/23 13:03	11/13/23 09:50	EPA 901.1	SUB12
Radium 226	**2.11**	1.96	pCi/g	1	P3K1604	11/10/23 13:03	11/13/23 09:50	EPA 901.1	SUB12
Radium 228	**0.54**	0.28	pCi/g	1	P3K1604	11/10/23 13:03	11/13/23 09:50	EPA 901.1	SUB12
Scandium-46	ND	0.11	pCi/g	1	P3K1604	11/10/23 13:03	11/13/23 09:50	EPA 901.1	SUB12
Thorium-228	**0.18**	0.16	pCi/g	1	P3K1604	11/10/23 13:03	11/13/23 09:50	EPA 901.1	SUB12
Thallium-208	ND	0.12	pCi/g	1	P3K1604	11/10/23 13:03	11/13/23 09:50	EPA 901.1	SUB12
Uranium 235	ND	0.54	pCi/g	1	P3K1604	11/10/23 13:03	11/13/23 09:50	EPA 901.1	SUB12
Uranium-238	ND	1.80	pCi/g	1	P3K1604	11/10/23 13:03	11/13/23 09:50	EPA 901.1	SUB12
Total Gamma	**9.10**		pCi/g	1	P3K1604	11/10/23 13:03	11/13/23 09:50	EPA 901.1	SUB12
Beryllium-7 Analysis Error	**0.56**		+/- 2 Sigma	1	P3K1604	11/10/23 13:03	11/13/23 09:50	EPA 901.1	SUB12
Bismuth-212 Analysis Error	**0.82**		+/- 2 Sigma	1	P3K1604	11/10/23 13:03	11/13/23 09:50	EPA 901.1	SUB12
Bismuth-214 Analysis Error	**0.24**		+/- 2 Sigma	1	P3K1604	11/10/23 13:03	11/13/23 09:50	EPA 901.1	SUB12
Potassium-40 Analysis Error	**1.58**		+/- 2 Sigma	1	P3K1604	11/10/23 13:03	11/13/23 09:50	EPA 901.1	SUB12

GHD Services-Midland	Project: South Bell Lake 263H Release
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WC-1

3K09004-12 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naturally Occuring Radioactive Material (N.O.R.M.)									
Lead 210 Analysis Error	**1.15**		+/- 2 Sigma	1	P3K1604	11/10/23 13:03	11/13/23 09:50	EPA 901.1	SUB12
Lead-214 Analysis Error	**0.18**		+/- 2 Sigma	1	P3K1604	11/10/23 13:03	11/13/23 09:50	EPA 901.1	SUB12
Radium 226 Analysis Error	**1.39**		+/- 2 Sigma	1	P3K1604	11/10/23 13:03	11/13/23 09:50	EPA 901.1	SUB12
Radium 228 Analysis Error	**0.27**		+/- 2 Sigma	1	P3K1604	11/10/23 13:03	11/13/23 09:50	EPA 901.1	SUB12
Scandium-46 Analysis Error	**0.08**		+/- 2 Sigma	1	P3K1604	11/10/23 13:03	11/13/23 09:50	EPA 901.1	SUB12
Thorium-228 Analysis error	**0.11**		+/- 2 Sigma	1	P3K1604	11/10/23 13:03	11/13/23 09:50	EPA 901.1	SUB12
Thallium-208 Analysis Error	**0.16**		+/- 2 Sigma	1	P3K1604	11/10/23 13:03	11/13/23 09:50	EPA 901.1	SUB12
Uranium-235 Analysis error	**0.38**		+/- 2 Sigma	1	P3K1604	11/10/23 13:03	11/13/23 09:50	EPA 901.1	SUB12
Uranium-238 Analysis Error	**1.23**		+/- 2 Sigma	1	P3K1604	11/10/23 13:03	11/13/23 09:50	EPA 901.1	SUB12
TCLP Metals 1311 by EPA / Standard Methods									
Mercury	ND	0.000200	mg/L	1	P3K1604	11/10/23 15:00	11/14/23 12:40	EPA 7470A	SUB-13
Arsenic	ND	0.0500	mg/L	1	P3K1604	11/10/23 15:00	11/13/23 15:50	EPA 6020A	SUB-13
Barium	**1.07**	0.200	mg/L	1	P3K1604	11/10/23 15:00	11/13/23 15:50	EPA 6020A	SUB-13
Cadmium	ND	0.0500	mg/L	1	P3K1604	11/10/23 15:00	11/13/23 15:50	EPA 6020A	SUB-13
Chromium	ND	0.0500	mg/L	1	P3K1604	11/10/23 15:00	11/13/23 15:50	EPA 6020A	SUB-13
Lead	ND	0.0500	mg/L	1	P3K1604	11/10/23 15:00	11/13/23 15:50	EPA 6020A	SUB-13
Selenium	ND	0.0500	mg/L	1	P3K1604	11/10/23 15:00	11/13/23 15:50	EPA 6020A	SUB-13
Silver	ND	0.0500	mg/L	1	P3K1604	11/10/23 15:00	11/13/23 15:50	EPA 6020A	SUB-13
TCLP Volatile Organic Compounds by EPA Method 1311/8260B									
Benzene	ND	100	ug/l	1	P3K1604	11/10/23 15:00	11/10/23 15:00	EPA 8260B	SUB-13
Physical Parameters by APHA/ASTM/EPA Methods									
Free Liquid	PASS		N/A	1	P3K1604	11/13/23 08:00	11/13/23 08:10	EPA 9095	

GHD Services-Midland	Project: South Bell Lake 263H Release
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Midland TX, 79703	Project Manager: Nate Reece

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 P3K1005 - * DEFAULT PREP *** **										
Blank (P3K1005-BLK1)				Prepared & Analyzed: 11/10/23						
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	*0.113*		"	*0.120*		*94.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.127*		"	*0.120*		*106*	*80-120*			
LCS (P3K1005-BS1)				Prepared & Analyzed: 11/10/23						
Benzene	0.0998	0.00100	mg/kg	0.100		99.8	80-120			
Toluene	0.0953	0.00100	"	0.100		95.3	80-120			
Ethylbenzene	0.0994	0.00100	"	0.100		99.4	80-120			
Xylene (p/m)	0.198	0.00200	"	0.200		98.9	80-120			
Xylene (o)	0.0884	0.00100	"	0.100		88.4	80-120			
Surrogate: 4-Bromofluorobenzene	*0.120*		"	*0.120*		*100*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		"	*0.120*		*95.4*	*80-120*			
LCS Dup (P3K1005-BSD1)				Prepared & Analyzed: 11/10/23						
Benzene	0.114	0.00100	mg/kg	0.100		114	80-120	13.4	20	
Toluene	0.112	0.00100	"	0.100		112	80-120	15.9	20	
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120	15.4	20	
Xylene (p/m)	0.225	0.00200	"	0.200		113	80-120	13.0	20	
Xylene (o)	0.101	0.00100	"	0.100		101	80-120	13.7	20	
Surrogate: 1,4-Difluorobenzene	*0.114*		"	*0.120*		*94.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.120*		"	*0.120*		*99.8*	*80-120*			
Calibration Blank (P3K1005-CCB1)				Prepared & Analyzed: 11/10/23						
Benzene	0.270		ug/kg							
Toluene	1.26		"							B-13
Ethylbenzene	0.990		"							
Xylene (p/m)	1.87		"							
Xylene (o)	0.330		"							
Surrogate: 1,4-Difluorobenzene	*0.112*		"	*0.120*		*93.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.125*		"	*0.120*		*104*	*80-120*			

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

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 P3K1005 - * DEFAULT PREP *** **										
Calibration Blank (P3K1005-CCB2)				Prepared: 11/10/23 Analyzed: 11/11/23						
Benzene	0.160		ug/kg							
Toluene	1.50		"							B-13
Ethylbenzene	1.30		"							B-13
Xylene (p/m)	1.66		"							
Xylene (o)	1.04		"							B-13
Surrogate: 4-Bromofluorobenzene	*0.127*		*"*	*0.120*		*106*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		*"*	*0.120*		*95.4*	*80-120*			
Calibration Check (P3K1005-CCV1)				Prepared & Analyzed: 11/10/23						
Benzene	0.120	0.00100	mg/kg	0.100		120	80-120			
Toluene	0.117	0.00100	"	0.100		117	80-120			
Ethylbenzene	0.118	0.00100	"	0.100		118	80-120			
Xylene (p/m)	0.236	0.00200	"	0.200		118	80-120			
Xylene (o)	0.110	0.00100	"	0.100		110	80-120			
Surrogate: 4-Bromofluorobenzene	*0.125*		*"*	*0.120*		*104*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.4*	*75-125*			
Calibration Check (P3K1005-CCV2)				Prepared: 11/10/23 Analyzed: 11/11/23						
Benzene	0.115	0.00100	mg/kg	0.100		115	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.111	0.00100	"	0.100		111	80-120			
Xylene (p/m)	0.224	0.00200	"	0.200		112	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.6*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.124*		*"*	*0.120*		*104*	*75-125*			
Calibration Check (P3K1005-CCV3)				Prepared: 11/10/23 Analyzed: 11/11/23						
Benzene	0.113	0.00100	mg/kg	0.100		113	80-120			
Toluene	0.110	0.00100	"	0.100		110	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.215	0.00200	"	0.200		108	80-120			
Xylene (o)	0.103	0.00100	"	0.100		103	80-120			
Surrogate: 4-Bromofluorobenzene	*0.125*		*"*	*0.120*		*104*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*96.0*	*75-125*			

GHD Services-Midland	Project: South Bell Lake 263H Release
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Midland TX, 79703	Project Manager: Nate Reece

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 P3K1005 - * DEFAULT PREP *** **										
Matrix Spike (P3K1005-MS1)	**Source: 3K09004-01**			Prepared: 11/10/23 Analyzed: 11/11/23						
Benzene	0.0901	0.00108	mg/kg dry	0.108	ND	83.8	80-120			
Toluene	0.0746	0.00108	"	0.108	ND	69.4	80-120			QM-05
Ethylbenzene	0.0504	0.00108	"	0.108	ND	46.9	80-120			QM-05
Xylene (p/m)	0.125	0.00215	"	0.215	ND	58.3	80-120			QM-05
Xylene (o)	0.0675	0.00108	"	0.108	ND	62.8	80-120			QM-05
Surrogate: 1,4-Difluorobenzene	*0.124*		"	*0.129*		*96.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.140*		"	*0.129*		*109*	*80-120*			
Matrix Spike Dup (P3K1005-MSD1)	**Source: 3K09004-01**			Prepared: 11/10/23 Analyzed: 11/11/23						
Benzene	0.0949	0.00108	mg/kg dry	0.108	ND	88.3	80-120	5.18	20	
Toluene	0.0825	0.00108	"	0.108	ND	76.7	80-120	10.0	20	QM-05
Ethylbenzene	0.0540	0.00108	"	0.108	ND	50.3	80-120	6.98	20	QM-05
Xylene (p/m)	0.145	0.00215	"	0.215	ND	67.5	80-120	14.5	20	QM-05
Xylene (o)	0.0713	0.00108	"	0.108	ND	66.3	80-120	5.36	20	QM-05
Surrogate: 4-Bromofluorobenzene	*0.134*		"	*0.129*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.125*		"	*0.129*		*97.0*	*80-120*			

GHD Services-Midland	Project: South Bell Lake 263H Release
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Midland TX, 79703	Project Manager: Nate Reece

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 P3K0904 - TX 1005										
Blank (P3K0904-BLK1)				Prepared: 11/09/23 Analyzed: 11/16/23						
Gasoline Range Organics	ND	25.0	mg/kg							
Diesel Range Organics	ND	25.0	"							
Oil Range Organics	ND	25.0	"							
Surrogate: 1-Chlorooctane	*120*		*"*	*100*		*120*	*70-130*			
Surrogate: o-Terphenyl	*70.0*		*"*	*50.0*		*140*	*70-130*			*S-GC*
LCS (P3K0904-BS1)				Prepared: 11/09/23 Analyzed: 11/16/23						
Gasoline Range Organics	1050	25.0	mg/kg				75-125			
Diesel Range Organics	1130	25.0	"	1000		113	75-125			
Surrogate: 1-Chlorooctane	*129*		*"*	*100*		*129*	*70-130*			
Surrogate: o-Terphenyl	*71.2*		*"*	*50.0*		*142*	*70-130*			*S-GC*
LCS Dup (P3K0904-BSD1)				Prepared: 11/09/23 Analyzed: 11/16/23						
Gasoline Range Organics	1040	25.0	mg/kg				75-125		20	
Diesel Range Organics	1110	25.0	"	1000		111	75-125	1.54	20	S-GC
Surrogate: 1-Chlorooctane	*123*		*"*	*100*		*123*	*70-130*			
Surrogate: o-Terphenyl	*70.4*		*"*	*50.0*		*141*	*70-130*			*S-GC*
Calibration Check (P3K0904-CCV1)				Prepared: 11/09/23 Analyzed: 11/16/23						
Gasoline Range Organics	505	25.0	mg/kg	500		101	85-115			
Diesel Range Organics	541	25.0	"	500		108	85-115			
Surrogate: 1-Chlorooctane	*119*		*"*	*100*		*119*	*85-115*			*S-GC*
Surrogate: o-Terphenyl	*66.2*		*"*	*50.0*		*132*	*85-115*			*S-GC*
Calibration Check (P3K0904-CCV2)				Prepared: 11/09/23 Analyzed: 11/16/23						
Gasoline Range Organics	308	25.0	mg/kg	325		94.8	85-115			
Diesel Range Organics	373	25.0	"	325		115	85-115			
Surrogate: 1-Chlorooctane	*81.7*		*"*	*100*		*81.7*	*85-115*			*S-GC*
Surrogate: o-Terphenyl	*46.7*		*"*	*50.0*		*93.4*	*85-115*			

GHD Services-Midland	Project: South Bell Lake 263H Release
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Midland TX, 79703	Project Manager: Nate Reece

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 P3K0904 - TX 1005										
Calibration Check (P3K0904-CCV3)				Prepared: 11/09/23 Analyzed: 11/16/23						
Gasoline Range Organics	275	25.0	mg/kg	300		91.7	85-115			
Diesel Range Organics	338	25.0	"	300		113	85-115			
Surrogate: 1-Chlorooctane	*73.8*		*"*	*100*		*73.8*	*85-115*			*S-GC*
Surrogate: o-Terphenyl	*42.7*		*"*	*50.0*		*85.5*	*85-115*			
Matrix Spike (P3K0904-MS1)		**Source: 3K09004-12**		Prepared: 11/09/23 Analyzed: 11/16/23						
Gasoline Range Organics	844	27.8	mg/kg dry		16.9		75-125			
Diesel Range Organics	902	27.8	"	1110	241	59.5	75-125			QM-05
Surrogate: 1-Chlorooctane	*87.3*		*"*	*111*		*78.6*	*70-130*			
Surrogate: o-Terphenyl	*37.8*		*"*	*55.6*		*68.1*	*70-130*			*S-GC*
Matrix Spike Dup (P3K0904-MSD1)		**Source: 3K09004-12**		Prepared: 11/09/23 Analyzed: 11/16/23						
Gasoline Range Organics	880	27.8	mg/kg dry		16.9		75-125		20	
Diesel Range Organics	934	27.8	"	1110	241	62.4	75-125	4.70	20	S-GC
Surrogate: 1-Chlorooctane	*114*		*"*	*111*		*102*	*70-130*			
Surrogate: o-Terphenyl	*53.1*		*"*	*55.6*		*95.5*	*70-130*			

GHD Services-Midland	Project: South Bell Lake 263H Release
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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 P3K0904 - TX 1005										
Blank (P3K0904-BLK1)				Prepared: 11/09/23 Analyzed: 11/10/23						
C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*120*		*"*	*100*		*120*	*70-130*			
Surrogate: o-Terphenyl	*70.0*		*"*	*50.0*		*140*	*70-130*			*S-GC*
LCS (P3K0904-BS1)				Prepared: 11/09/23 Analyzed: 11/10/23						
C6-C12	1050	25.0	mg/kg	1000		105	75-125			
>C12-C28	1130	25.0	"	1000		113	75-125			
Surrogate: 1-Chlorooctane	*129*		*"*	*100*		*129*	*70-130*			
Surrogate: o-Terphenyl	*71.2*		*"*	*50.0*		*142*	*70-130*			*S-GC*
LCS Dup (P3K0904-BSD1)				Prepared: 11/09/23 Analyzed: 11/10/23						
C6-C12	1040	25.0	mg/kg	1000		104	75-125	1.05	20	
>C12-C28	1110	25.0	"	1000		111	75-125	1.54	20	
Surrogate: 1-Chlorooctane	*123*		*"*	*100*		*123*	*70-130*			
Surrogate: o-Terphenyl	*70.4*		*"*	*50.0*		*141*	*70-130*			*S-GC*
Calibration Check (P3K0904-CCV1)				Prepared: 11/09/23 Analyzed: 11/10/23						
C6-C12	505	25.0	mg/kg	500		101	85-115			
>C12-C28	541	25.0	"	500		108	85-115			
Surrogate: 1-Chlorooctane	*119*		*"*	*100*		*119*	*70-130*			
Surrogate: o-Terphenyl	*66.2*		*"*	*50.0*		*132*	*70-130*			*S-GC*
Calibration Check (P3K0904-CCV2)				Prepared: 11/09/23 Analyzed: 11/10/23						
C6-C12	308	25.0	mg/kg	325		94.8	85-115			
>C12-C28	373	25.0	"	325		115	85-115			
Surrogate: 1-Chlorooctane	*81.7*		*"*	*100*		*81.7*	*70-130*			
Surrogate: o-Terphenyl	*46.7*		*"*	*50.0*		*93.4*	*70-130*			

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

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 P3K0904 - TX 1005										
Calibration Check (P3K0904-CCV3)				Prepared: 11/09/23 Analyzed: 11/10/23						
C6-C12	275	25.0	mg/kg	300		91.7	85-115			
>C12-C28	338	25.0	"	300		113	85-115			
Surrogate: 1-Chlorooctane	*73.8*		*"*	*100*		*73.8*	*70-130*			
Surrogate: o-Terphenyl	*42.7*		*"*	*50.0*		*85.5*	*70-130*			
Matrix Spike (P3K0904-MS1)		**Source: 3K09004-12**		Prepared: 11/09/23 Analyzed: 11/10/23						
C6-C12	844	27.8	mg/kg dry	1110	16.9	74.4	75-125			QM-05
>C12-C28	902	27.8	"	1110	241	59.5	75-125			QM-05
Surrogate: 1-Chlorooctane	*87.3*		*"*	*111*		*78.6*	*70-130*			
Surrogate: o-Terphenyl	*37.8*		*"*	*55.6*		*68.1*	*70-130*			*S-GC*
Matrix Spike Dup (P3K0904-MSD1)		**Source: 3K09004-12**		Prepared: 11/09/23 Analyzed: 11/10/23						
C6-C12	880	27.8	mg/kg dry	1110	16.9	77.7	75-125	4.30	20	
>C12-C28	934	27.8	"	1110	241	62.4	75-125	4.70	20	QM-05
Surrogate: 1-Chlorooctane	*114*		*"*	*111*		*102*	*70-130*			
Surrogate: o-Terphenyl	*53.1*		*"*	*55.6*		*95.5*	*70-130*			

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

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 P3K1001 - * DEFAULT PREP *** **										
Blank (P3K1001-BLK1)				Prepared & Analyzed: 11/10/23						
% Moisture	ND	0.1	%							
Blank (P3K1001-BLK2)				Prepared & Analyzed: 11/10/23						
% Moisture	ND	0.1	%							
Duplicate (P3K1001-DUP1)		**Source: 3K09001-09**		Prepared & Analyzed: 11/10/23						
% Moisture	18.0	0.1	%		16.0			11.8	20	
Duplicate (P3K1001-DUP2)		**Source: 3K09004-02**		Prepared & Analyzed: 11/10/23						
% Moisture	6.0	0.1	%		6.0			0.00	20	
Duplicate (P3K1001-DUP3)		**Source: 3K09005-05**		Prepared & Analyzed: 11/10/23						
% Moisture	10.0	0.1	%		10.0			0.00	20	
Duplicate (P3K1001-DUP4)		**Source: 3K09007-06**		Prepared & Analyzed: 11/10/23						
% Moisture	10.0	0.1	%		9.0			10.5	20	
Batch P3K1002 - * DEFAULT PREP *** **										
Blank (P3K1002-BLK1)				Prepared: 11/10/23 Analyzed: 11/13/23						
Chloride	ND	1.00	mg/kg							
LCS (P3K1002-BS1)				Prepared: 11/10/23 Analyzed: 11/13/23						
Chloride	18.7		mg/kg	20.0		93.5	90-110			
LCS Dup (P3K1002-BSD1)				Prepared: 11/10/23 Analyzed: 11/13/23						
Chloride	18.7		mg/kg	20.0		93.4	90-110	0.187	10	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

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 P3K1002 - * DEFAULT PREP *** **										
Calibration Check (P3K1002-CCV1)				Prepared: 11/10/23 Analyzed: 11/13/23						
Chloride	19.2		mg/kg	20.0		95.9	90-110			
Calibration Check (P3K1002-CCV2)				Prepared: 11/10/23 Analyzed: 11/13/23						
Chloride	19.4		mg/kg	20.0		97.2	90-110			
Matrix Spike (P3K1002-MS1)		**Source: 3K08011-26**		Prepared: 11/10/23 Analyzed: 11/13/23						
Chloride	111		mg/kg	100	19.4	91.4	80-120			
Matrix Spike (P3K1002-MS2)		**Source: 3K09004-07**		Prepared: 11/10/23 Analyzed: 11/13/23						
Chloride	100		mg/kg	100	2.95	97.0	80-120			
Matrix Spike Dup (P3K1002-MSD1)		**Source: 3K08011-26**		Prepared: 11/10/23 Analyzed: 11/13/23						
Chloride	111		mg/kg	100	19.4	91.6	80-120	0.165	20	
Matrix Spike Dup (P3K1002-MSD2)		**Source: 3K09004-07**		Prepared: 11/10/23 Analyzed: 11/13/23						
Chloride	99.2		mg/kg	100	2.95	96.2	80-120	0.826	20	

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

Notes and Definitions

SUB-13	Subcontract of analyte/analysis to ALS Houston.
SUB12	Analysis was subcontracted to ARS Port Allen Lousiana.
S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
S-07	Recovery outside Laboratory historical or method prescribed limits.
ROI	Received on Ice
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.
BULK	Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range
B-13	A common laboratory contaminant was above the RL in the blank
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: Brent Barron Date: 11/16/2023

Brent Barron, Laboratory Director/Technical Director

GHD Services-Midland	Project: South Bell Lake 263H Release
2135 S. Loop 250 West	Project Number: 12622000
Midland TX, 79703	Project Manager: Nate Reece

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.

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____ W: _____

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701
Phone: 432-686-7235

Project Manager: Nate Reece
Company Name: GHD
Company Address: 2135 S Loop 250 W
City/State/Zip: Midland TX 79703
Telephone No: 432-967-6850
Fax No: _____
Sampler Signature: [signature]

Project Name: South Bell Lake
Project #: 12622000
Project Loc: Rural Jal, NM
PO #: _____
Report Format: ☐ Standard ☐ TRRP ☐ NPDES
e-mail: nate.reece@ghd.com

(lab use only)
ORDER #: 31C09004

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 (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TOTAL: TPH: TX 1005	TX 1006	Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	TPH 8015	RUSH TAT (Pre-Schedule) 24, 48, (2 h)	Standard TAT
1	SP-1A			110723	0900		1	X								S			X	X	X	X	
2	SP-2A				0902																		
3	SP-3A				0904																		
4	SP-5A				0906																		
5	SP-6A				0908																		
6	SP-8A				0910																		
7	SP-9A				1255																		
8	SW-1(1')A				0912																		
9	SW-2(1')A				0914																		
10	SW-3(1')A				0916																		

Special Instructions:
Please email results to Karolanne.Hudgens@plains.com

Relinquished by:	Date	Time	Received by:	Date	Time
Liam Giersdorf	11-09-23	13:06			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL: [signature]	11/9/23	13:06

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 3.5 °C Thermometer: NCF
Adjusted: °C Factor: L3

PBEL_COC_2021_1 Revision #: 2021_1 Effective Date: 9-21-21 Page __ of __

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____ W: _____

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701
Phone: 432-686-7235

Project Manager:	Nate Reece	**Project Name:**	South Bell Lake
Company Name:	GHD	**Project #:**	12622000
Company Address:	2135 S Loop 250 W	**Project Loc:**	Rural Jal, NM
City/State/Zip:	Midland TX 79703	**PO #:**	
Telephone No:	432-967-6850	**Fax No:**	
Report Format:	☐ Standard ☐ TRRP ☐ NPDES		
Sampler Signature:		**e-mail:**	nate.reece@ghd.com

(lab use only) **ORDER #:** 3K09004

Analyze For:

TCLP:
TOTAL:

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 (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	TPH: TX 1005 TX 1006	Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	TPH 8015	PCRA 6 Metals	TCLP Benzene	RCI	NORM	Paint Filter Test							RUSH TAT (Pre-Schedule) 24, 48, (2 h)	Standard TAT
11	SW-5(1')A			110723	0918		1	X								S		X	X	X												X	
12	WC			"			1	X								S		X		X	X	X	X	X	X							X	

Special Instructions:
Please email results to Karolanne.hudgens@plains.com

	Date	Time		Date	Time
Relinquished by:	11/09/23	13:04	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by PBEL:	11/9/23	13:04

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 3.5 °C Thermometor: NCF
Adjusted: °C Factor: L3

PBEL_COC_2021_1 Revision #: 2021_1 Effective Date: 9-21-21 Page __ of __

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701

Phone: 432-686-7235
PBELAB_SUB_COC_V2

Project Manager: Brent Barron — **Project Name:** SUBCONTRACT

Company Name: PBEL — **Project #:**

Company Address: 1400 Rankin HWY — **Project Loc:**

City/State/Zip: Midland Texas 79701 — **PO #:**

Telephone No: 432-661-4184 — Fax No: — **Report Format:** X Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A — e-mail: brentbarron@pbelab.com

ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: ICE	HNO_3 250 poly 1	HCl 3 40mL VOA	H_2SO_4 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	$Na_2S_2O_3$	VOA AMBER UNPRESERVED	NONE	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: NORM 901.1M EXTENDED	NORM ERROR 901.1M EXTENDED	72 HOUR RUSH	STANDARD
	3K09004-12			11/7/2023	9:16		1	X								S	X	X	X	

SPECIAL INSTRUCTIONS:

Relinquished by:	Date	Time	Received by:	Date	Time
Brent Barron					
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N
by Courier? UPS DHL FedEx Lone Star		

Temperature Upon Receipt:
Received: °C
Adjusted: °C Factor

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701

Phone: 432-686-7235
PBELAB_SUB_COC_V2

Project Manager: Brent Barron — **Project Name:** SUBCONTRACT

Company Name: PBEL — **Project #:**

Company Address: 1400 Rankin HWY — **Project Loc:**

City/State/Zip: Midland Texas 79701 — **PO #:**

Telephone No: 432-661-4184 — Fax No: — **Report Format:** X Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A — e-mail: brentbarron@pbelab.com

ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: ICE	HNO_3 250 poly 1	HCl 3 40mL VOA	H_2SO_4 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	$Na_2S_2O_3$	VOA AMBER UNPRESERVED	NONE	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: RCI	METALS, RCRA 7 TCLP, ICP MS	Hg TCLP CVAA 7470	8260B TCLP BENZENE	PH	72 HOUR RUSH	STANDARD
	3K09004-12			11/7/2023	9:16		2	X								S	X	X	X	X	X	X	

SPECIAL INSTRUCTIONS:

Relinquished by:	Date	Time	Received by:	Date	Time
Brent Barron					
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N
by Courier? UPS DHL FedEx Lone Star		

Temperature Upon Receipt:
Received: °C
Adjusted: °C Factor

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

November 15, 2023

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

Work Order: **HS23110700**

Laboratory Results for: **3K09004**

Dear Brent Barron,

ALS Environmental received 1 sample(s) on Nov 10, 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: 15-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K09004
Work Order: HS23110700

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23110700-01	3K09004-12	Soil		07-Nov-2023 09:16	10-Nov-2023 10:30	☐

ALS Houston, US Date: 15-Nov-23

Client: Permian Basin Environmental Lab, LP **CASE NARRATIVE**
Project: 3K09004
Work Order: HS23110700

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.

GCMS Volatiles by Method SW8260

Batch ID: 203388

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

Metals by Method SW7470A

Batch ID: 203467

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

Metals by Method SW1311/6020

Batch ID: 203409

Sample ID: HS23110596-01MS

• MS and MSD are for an unrelated sample (Chromium)

WetChemistry by Method SW7.3.3.2

Batch ID: R451795

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

WetChemistry by Method ASTM D92-12b

Batch ID: R451802

• 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: R451794

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

WetChemistry by Method SW9045D

Batch ID: R451612

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

ALS Houston, US Date: 15-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K09004
Sample ID: 3K09004-12
Collection Date: 07-Nov-2023 09:16

ANALYTICAL REPORT
WorkOrder:HS23110700
Lab ID:HS23110700-01
Matrix:Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP VOLATILES	**Method:SW8260**		Leache:SW1311 / 10-Nov-2023	Prep:SW1311 / 04-Nov-2023		Analyst: FT
Benzene	ND		0.10	mg/L	20	13-Nov-2023 13:47
Surr: 1,2-Dichloroethane-d4	*102*		*70-126*	*%REC*	*20*	*13-Nov-2023 13:47*
Surr: 4-Bromofluorobenzene	*91.9*		*82-124*	*%REC*	*20*	*13-Nov-2023 13:47*
Surr: Dibromofluoromethane	*109*		*77-123*	*%REC*	*20*	*13-Nov-2023 13:47*
Surr: Toluene-d8	*93.2*		*82-127*	*%REC*	*20*	*13-Nov-2023 13:47*
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 11-Nov-2023	Prep:SW3010A / 13-Nov-2023		Analyst: MSC
Arsenic	ND		0.0500	mg/L	1	13-Nov-2023 15:50
Barium	**1.07**		**0.200**	**mg/L**	1	13-Nov-2023 15:50
Cadmium	ND		0.0500	mg/L	1	13-Nov-2023 15:50
Chromium	ND		0.0500	mg/L	1	13-Nov-2023 15:50
Lead	ND		0.0500	mg/L	1	13-Nov-2023 15:50
Selenium	ND		0.0500	mg/L	1	13-Nov-2023 15:50
Silver	ND		0.0500	mg/L	1	13-Nov-2023 15:50
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 11-Nov-2023	Prep:SW7470A / 14-Nov-2023		Analyst: JS
Mercury	ND		0.000200	mg/L	1	14-Nov-2023 12:40
FLASH POINT BY CLEVELAND OPEN CUP ASTM D92-12B	**Method:ASTM D92-12b**					Analyst: MZD
Flash Point	>212	n	50.0	°F	1	14-Nov-2023 15:30
REACTIVE CYANIDE	**Method:SW7.3.3.2**					Analyst: MZD
Reactive Cyanide	ND	n	100	mg/Kg	1	14-Nov-2023 13:31
REACTIVE SULFIDE	**Method:SW7.3.4.2**					Analyst: MZD
Reactive Sulfide	ND	n	100	mg/Kg	1	14-Nov-2023 13:00
PH SOIL BY SW9045D	**Method:SW9045D**					Analyst: MR
pH	**8.35**	H	**0.100**	**pH Units**	1	13-Nov-2023 09:21
Temp Deg C @pH	**21.6**	H	**0**	**°C**	1	13-Nov-2023 09:21

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

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 3K09004
WorkOrder: HS23110700

Batch ID: 203364 **Start Date:** 10 Nov 2023 15:00 **End Date:** 10 Nov 2023 15:00
Method: TCLP MERCURY EXTRACTION BY SW1311 **Prep Code:** 1311LHG EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23110700-01		100 (grams)	2000 (mL)	20	4-oz glass, Neat

Batch ID: 203365 **Start Date:** 10 Nov 2023 15:00 **End Date:** 10 Nov 2023 15:00
Method: TCLP METALS EXTRACTION BY SW1311 **Prep Code:** 1311LM EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23110700-01		100 (grams)	2000 (mL)	20	4-oz glass, Neat

Batch ID: 203385 **Start Date:** 10 Nov 2023 15:00 **End Date:** 10 Nov 2023 15:00
Method: TCLP ZHE (VOL EXTRACTION) **Prep Code:** 1311ZHE

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23110700-01		25 (g)	500 (mL)	20	4-oz glass, Neat

Batch ID: 203409 **Start Date:** 13 Nov 2023 09:30 **End Date:** 13 Nov 2023 09:30
Method: TCLP LEACHATE DIGESTION BY SW3010A **Prep Code:** 3010A_TCLP

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23110700-01		1 (mL)	10 (mL)	10	4-oz glass, Neat

Batch ID: 203467 **Start Date:** 14 Nov 2023 07:30 **End Date:** 14 Nov 2023 07:30
Method: MERCURY TCLP PREP BY SW7470A **Prep Code:** 1311_HGPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23110700-01		10 (mL)	10 (mL)	1	4-oz glass, Neat

ALS Houston, US Date: 15-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K09004
WorkOrder: HS23110700

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 203388 (0)	**Test Name :** TCLP VOLATILES				**Matrix:** Soil	
HS23110700-01	3K09004-12	07 Nov 2023 09:16	10 Nov 2023 15:00	04 Nov 2023 08:00	13 Nov 2023 13:47	20
Batch ID: 203409 (0)	**Test Name :** TCLP METALS BY SW6020A				**Matrix:** Soil	
HS23110700-01	3K09004-12	07 Nov 2023 09:16	11 Nov 2023 08:00	13 Nov 2023 09:30	13 Nov 2023 15:50	1
Batch ID: 203467 (0)	**Test Name :** TCLP MERCURY BY SW7470A				**Matrix:** Soil	
HS23110700-01	3K09004-12	07 Nov 2023 09:16	11 Nov 2023 08:00	14 Nov 2023 07:30	14 Nov 2023 12:40	1
Batch ID: R451612 (0)	**Test Name :** PH SOIL BY SW9045D				**Matrix:** Soil	
HS23110700-01	3K09004-12	07 Nov 2023 09:16			13 Nov 2023 09:21	1
Batch ID: R451794 (0)	**Test Name :** REACTIVE SULFIDE				**Matrix:** Soil	
HS23110700-01	3K09004-12	07 Nov 2023 09:16			14 Nov 2023 13:00	1
Batch ID: R451795 (0)	**Test Name :** REACTIVE CYANIDE				**Matrix:** Soil	
HS23110700-01	3K09004-12	07 Nov 2023 09:16			14 Nov 2023 13:31	1
Batch ID: R451802 (0)	**Test Name :** FLASH POINT BY CLEVELAND OPEN CUP ASTM D92-12B				**Matrix:** Soil	
HS23110700-01	3K09004-12	07 Nov 2023 09:16			14 Nov 2023 15:30	1

ALS Houston, US Date: 15-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K09004
WorkOrder: HS23110700

QC BATCH REPORT

Batch ID: 203409 (0) **Instrument: ICPMS06** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT2-203414** Units: **mg/L** Analysis Date: **13-Nov-2023 15:13**
Client ID: Run ID: **ICPMS06_451637** SeqNo: **7671439** PrepDate: **13-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%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: **MBLKT1-203365** Units: **mg/L** Analysis Date: **13-Nov-2023 15:11**
Client ID: Run ID: **ICPMS06_451637** SeqNo: **7671438** PrepDate: **13-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%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-203409** Units: **mg/L** Analysis Date: **13-Nov-2023 16:01**
Client ID: Run ID: **ICPMS06_451637** SeqNo: **7671517** PrepDate: **13-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%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: 15-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K09004
WorkOrder: HS23110700

QC BATCH REPORT

Batch ID: 203409 (0) **Instrument: ICPMS06** **Method: TCLP METALS BY SW6020A**

LCS Sample ID: **LCS-203409** Units: **mg/L** Analysis Date: **13-Nov-2023 15:15**
Client ID: Run ID: **ICPMS06_451637** SeqNo: **7671440** PrepDate: **13-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04839	0.00500	0.05	0	96.8	80 - 120				
Barium	0.0418	0.0200	0.05	0	83.6	80 - 120				
Cadmium	0.04171	0.00500	0.05	0	83.4	80 - 120				
Chromium	0.04885	0.00500	0.05	0	97.7	80 - 120				
Lead	0.04119	0.00500	0.05	0	82.4	80 - 120				
Selenium	0.04835	0.00500	0.05	0	96.7	80 - 120				

LCS Sample ID: **LCS-203409** Units: **mg/L** Analysis Date: **13-Nov-2023 16:16**
Client ID: Run ID: **ICPMS06_451637** SeqNo: **7671661** PrepDate: **13-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Silver	0.04448	0.00500	0.05	0	89.0	80 - 120				

MS Sample ID: **HS23110596-01MS** Units: **mg/L** Analysis Date: **13-Nov-2023 16:18**
Client ID: Run ID: **ICPMS06_451637** SeqNo: **7671662** PrepDate: **13-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.5459	0.0500	0.5	0.00673	108	80 - 120				
Barium	0.6623	0.200	0.5	0.1222	108	80 - 120				
Cadmium	0.5407	0.0500	0.5	0.00015	108	80 - 120				
Chromium	1.454	0.0500	0.5	-0.00342	292	80 - 120				S
Lead	0.5586	0.0500	0.5	0.0005	112	80 - 120				
Selenium	0.5165	0.0500	0.5	0.00095	103	80 - 120				
Silver	0.4907	0.0500	0.5	0.00005	98.1	80 - 120				

ALS Houston, US Date: 15-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K09004
WorkOrder: HS23110700

QC BATCH REPORT

Batch ID: 203409 (0) **Instrument: ICPMS06** **Method: TCLP METALS BY SW6020A**

MSD Sample ID: **HS23110596-01MSD** Units: **mg/L** Analysis Date: **13-Nov-2023 15:23**
Client ID: Run ID: **ICPMS06_451637** SeqNo: **7671444** PrepDate: **13-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.5497	0.0500	0.5	0.00673	109	80 - 120	0.5459	0.701	20	
Barium	0.664	0.200	0.5	0.1222	108	80 - 120	0.6623	0.246	20	
Cadmium	0.5414	0.0500	0.5	0.00015	108	80 - 120	0.5407	0.124	20	
Chromium	1.473	0.0500	0.5	-0.00342	295	80 - 120	1.454	1.26	20	S
Lead	0.5509	0.0500	0.5	0.0005	110	80 - 120	0.5586	1.4	20	
Selenium	0.5301	0.0500	0.5	0.00095	106	80 - 120	0.5165	2.59	20	
Silver	0.4946	0.0500	0.5	0.00005	98.9	80 - 120	0.4907	0.798	20	

PDS Sample ID: **HS23110596-01PDS** Units: **mg/L** Analysis Date: **13-Nov-2023 15:25**
Client ID: Run ID: **ICPMS06_451637** SeqNo: **7671445** PrepDate: **13-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.9896	0.0500	1	0.00673	98.3	75 - 125				
Barium	1.11	0.200	1	0.1222	98.7	75 - 125				
Cadmium	0.9817	0.0500	1	0.00015	98.2	75 - 125				
Chromium	0.9435	0.0500	1	-0.00342	94.7	75 - 125				
Lead	0.9713	0.0500	1	0.0005	97.1	75 - 125				
Selenium	0.9656	0.0500	1	0.00095	96.5	75 - 125				
Silver	0.8167	0.0500	1	0.00005	81.7	75 - 125				

SD Sample ID: **HS23110596-01SD** Units: **mg/L** Analysis Date: **13-Nov-2023 15:19**
Client ID: Run ID: **ICPMS06_451637** SeqNo: **7671442** PrepDate: **13-Nov-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					0.00673	0	10	
Barium	0.1241	1.00					0.1222	0	10	J
Cadmium	ND	0.250					0.00015	0	10	
Chromium	ND	0.250					-0.00342	0	10	
Lead	ND	0.250					0.0005	0	10	
Selenium	ND	0.250					0.00095	0	10	
Silver	ND	0.250					0.00005	0	10	

The following samples were analyzed in this batch: HS23110700-01

ALS Houston, US Date: 15-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K09004
WorkOrder: HS23110700

QC BATCH REPORT

Batch ID: 203467 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MBLK Sample ID: **MBLKT2-203321** Units: **mg/L** Analysis Date: **14-Nov-2023 11:48**
Client ID: Run ID: **HG04_451800** SeqNo: **7674101** PrepDate: **14-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.000200								

MBLK Sample ID: **MBLKT4-203323** Units: **mg/L** Analysis Date: **14-Nov-2023 11:52**
Client ID: Run ID: **HG04_451800** SeqNo: **7674103** PrepDate: **14-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.000200								

MBLK Sample ID: **MBLKT6-203465** Units: **mg/L** Analysis Date: **14-Nov-2023 15:18**
Client ID: Run ID: **HG04_451800** SeqNo: **7674226** PrepDate: **14-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.000200								

MBLK Sample ID: **MBLKT5-203333** Units: **mg/L** Analysis Date: **14-Nov-2023 11:53**
Client ID: Run ID: **HG04_451800** SeqNo: **7674104** PrepDate: **14-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.000200								

MBLK Sample ID: **MBLKT3-203364** Units: **mg/L** Analysis Date: **14-Nov-2023 11:50**
Client ID: Run ID: **HG04_451800** SeqNo: **7674102** PrepDate: **14-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.000200								

MBLK Sample ID: **MBLKT1-203413** Units: **mg/L** Analysis Date: **14-Nov-2023 11:47**
Client ID: Run ID: **HG04_451800** SeqNo: **7674100** PrepDate: **14-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.000200								

ALS Houston, US Date: 15-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K09004
WorkOrder: HS23110700

QC BATCH REPORT

Batch ID: 203467 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MBLK Sample ID: **MBLK-203467** Units: **mg/L** Analysis Date: **14-Nov-2023 11:41**
Client ID: Run ID: **HG04_451800** SeqNo: **7674098** PrepDate: **14-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.000200								

LCS Sample ID: **LCS-203467** Units: **mg/L** Analysis Date: **14-Nov-2023 11:45**
Client ID: Run ID: **HG04_451800** SeqNo: **7674099** PrepDate: **14-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00511	0.000200	0.005	0	102	80 - 120				

MS Sample ID: **HS23110541-01MS** Units: **mg/L** Analysis Date: **14-Nov-2023 12:15**
Client ID: Run ID: **HG04_451800** SeqNo: **7674114** PrepDate: **14-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00532	0.000200	0.005	0.000004	106	75 - 125				

MSD Sample ID: **HS23110541-01MSD** Units: **mg/L** Analysis Date: **14-Nov-2023 12:18**
Client ID: Run ID: **HG04_451800** SeqNo: **7674115** PrepDate: **14-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00527	0.000200	0.005	0.000004	105	75 - 125	0.00532	0.944	20	

The following samples were analyzed in this batch: HS23110700-01

ALS Houston, US Date: 15-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K09004
WorkOrder: HS23110700

QC BATCH REPORT

Batch ID: 203388 (0) **Instrument: VOA4** **Method: TCLP VOLATILES BY SW8260C**

MBLK Sample ID: **MBLK-203388** Units: **ug/L** Analysis Date: **13-Nov-2023 11:30**
Client ID: Run ID: **VOA4_451651** SeqNo: **7670770** PrepDate: **03-Nov-2023** DF: **20**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	100								
Surr: 1,2-Dichloroethane-d4	*1012*	*100*	*1000*	*0*	*101*	*70 - 130*				
Surr: 4-Bromofluorobenzene	*949.7*	*100*	*1000*	*0*	*95.0*	*82 - 115*				
Surr: Dibromofluoromethane	*1057*	*100*	*1000*	*0*	*106*	*73 - 126*				
Surr: Toluene-d8	*936.1*	*100*	*1000*	*0*	*93.6*	*81 - 120*				

LCS Sample ID: **VLCSW-231113** Units: **ug/L** Analysis Date: **13-Nov-2023 09:59**
Client ID: Run ID: **VOA4_451651** SeqNo: **7670768** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	19.79	5.0	20	0	99.0	74 - 120				
Surr: 1,2-Dichloroethane-d4	*57.99*	*5.0*	*50*	*0*	*116*	*70 - 130*				
Surr: 4-Bromofluorobenzene	*50.81*	*5.0*	*50*	*0*	*102*	*82 - 115*				
Surr: Dibromofluoromethane	*56.1*	*5.0*	*50*	*0*	*112*	*73 - 126*				
Surr: Toluene-d8	*48.22*	*5.0*	*50*	*0*	*96.4*	*81 - 120*				

MS Sample ID: **HS23110658-01MS** Units: **ug/L** Analysis Date: **13-Nov-2023 12:38**
Client ID: Run ID: **VOA4_451651** SeqNo: **7670773** PrepDate: **03-Nov-2023** DF: **20**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	382.3	100	400	0	95.6	70 - 127				
Surr: 1,2-Dichloroethane-d4	*1134*	*100*	*1000*	*0*	*113*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*986.8*	*100*	*1000*	*0*	*98.7*	*82 - 124*				
Surr: Dibromofluoromethane	*1101*	*100*	*1000*	*0*	*110*	*77 - 123*				
Surr: Toluene-d8	*964.1*	*100*	*1000*	*0*	*96.4*	*82 - 127*				

The following samples were analyzed in this batch: HS23110700-01

ALS Houston, US Date: 15-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K09004
WorkOrder: HS23110700

QC BATCH REPORT

Batch ID: R451612 (0) **Instrument:** WetChem_HS **Method:** PH SOIL BY SW9045D

DUP Sample ID: **HS23110700-01DUP** Units: **pH Units** Analysis Date: **13-Nov-2023 09:22**
Client ID: **3K09004-12** Run ID: **WetChem_HS_451612** SeqNo: **7670069** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	8.56	0.100					8.35	2.48	10	
Temp Deg C @pH	21.6	0					21.6	0	10	

The following samples were analyzed in this batch: HS23110700-01

ALS Houston, US Date: 15-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K09004
WorkOrder: HS23110700

QC BATCH REPORT

Batch ID: R451794 (0) **Instrument: WetChem_HS** **Method: REACTIVE SULFIDE**

MBLK Sample ID: **MBLK-R451794** Units: **mg/Kg** Analysis Date: **14-Nov-2023 13:00**
Client ID: Run ID: **WetChem_HS_451794** SeqNo: **7674017** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Reactive Sulfide	ND	100								

LCS Sample ID: **LCS-R451794** Units: **mg/Kg** Analysis Date: **14-Nov-2023 13:00**
Client ID: Run ID: **WetChem_HS_451794** SeqNo: **7674016** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Reactive Sulfide	68	100	100	0	68.0	20 - 120				J

MS Sample ID: **HS23110596-01MS** Units: **mg/Kg** Analysis Date: **14-Nov-2023 13:00**
Client ID: Run ID: **WetChem_HS_451794** SeqNo: **7674018** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Reactive Sulfide	64	100	100	0	64.0	20 - 120				J

The following samples were analyzed in this batch: HS23110700-01

ALS Houston, US Date: 15-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K09004
WorkOrder: HS23110700

QC BATCH REPORT

Batch ID: R451795 (0) **Instrument: UV-2450** **Method: REACTIVE CYANIDE**

MBLK Sample ID: **MBLK-R451795** Units: **mg/Kg** Analysis Date: **14-Nov-2023 13:31**
Client ID: Run ID: **UV-2450_451795** SeqNo: **7674045** 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-R451795** Units: **mg/Kg** Analysis Date: **14-Nov-2023 13:31**
Client ID: Run ID: **UV-2450_451795** SeqNo: **7674044** 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

MS Sample ID: **HS23110596-01MS** Units: **mg/Kg** Analysis Date: **14-Nov-2023 13:31**
Client ID: Run ID: **UV-2450_451795** SeqNo: **7674046** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Reactive Cyanide	0.69	100	10	0	6.90	5 - 100				J

The following samples were analyzed in this batch: HS23110700-01

ALS Houston, US Date: 15-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K09004
WorkOrder: HS23110700

QC BATCH REPORT

Batch ID: R451802 (0) **Instrument:** WetChem_HS **Method:** FLASH POINT BY CLEVELAND OPEN CUP ASTM D92-12B

DUP Sample ID: **HS23110554-01DUP** Units: **°F** Analysis Date: **14-Nov-2023 15:30**
Client ID: Run ID: **WetChem_HS_451802** SeqNo: **7674281** 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: HS23110700-01

ALS Houston, US Date: 15-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K09004
WorkOrder: **HS23110700**

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 Quantitaion 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: 15-Nov-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	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

ALS Houston, US Date: 15-Nov-23

Sample Receipt Checklist

Work Order ID: HS23110700 **Date/Time Received:** 10-Nov-2023 10:30

Client Name: Permian Basin Lab **Received by:** Malcolm Burleson

Completed By:	/S/ Malcolm Burleson	10-Nov-2023 15:14	**Reviewed by:**	/S/ Anna Kinchen	13-Nov-2023 09:47
	eSignature	Date/Time		eSignature	Date/Time

Matrices: solid 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):	3.2uc 3.1c	ir31	
Cooler(s)/Kit(s):	s.red		
Date/Time sample(s) sent to storage:	11102023		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
1400 Rankin HWY

Phone: 432-686-7235
PBELAB_SUB_COC_V2

HS23110700

Permian Basin Environmental Lab, LP
3K09004

Project Manager: Brent Barron
Company Name: PBEL
Company Address: 1400 Rankin HWY
City/State/Zip: Midland Texas 79701
Telephone No: 432-661-4184
Sampler Signature: N/A

Project Name: SUBCONTRACT
Project #:
Project Loc:
PO #:
Fax No:
e-mail: brentbarron@pbelab.com
Report Format: X Standard ☐ TRRP ☐ NPDES

ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: ICE	HNO_3 250 poly 1	HCl 3 40mL VOA	H_2SO_4 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	$Na_2S_2O_3$	VOA AMBER UNPRESERVED	NONE	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: RCI	METALS, RCRA 7 TCLP, ICP MS	Hg TCLP CVAA 7470	8260B TCLP BENZENE	PH								72 HOUR RUSH	STANDARD
	3K09004-12			11/7/2023	9:16		2	X								S	X	X	X	X	X								X	

SPECIAL INSTRUCTIONS:

S. RED 3.6 -0.1C

Relinquished by:	Date	Time	Received by:	Date	Time
Brent Barron	11/9/23	17:00		11/9/2023	1730
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: °C
Adjusted: °C Factor

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

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Attachment C
Photographic Log

View of excavation facing north.

View of excavation facing south.

Site Photograph

South Bell Lake 263 Release Site.

View of excavation facing southwest.

View of excavation facing south.

Site Photograph

South Bell Lake 263 Release Site.

Appendix D
Sampling Notifications

Nate Reece

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Tuesday, August 29, 2023 10:50 AM
To: Nate Reece
Cc: Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD
Subject: RE: [EXTERNAL] Sampling Notification (NRM2019629912)

Good morning Nate,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Nate Reece <Nate.Reece@ghd.com>
Sent: Tuesday, August 29, 2023 6:53 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Karolanne Hudgens <Karolanne.Hudgens@plains.com>; J.T. Murrey <JT.Murrey@ghd.com>; Daniel Sparks <Daniel.Sparks@ghd.com>
Subject: [EXTERNAL] Sampling Notification

To Whom it May Concern,

GHD on behalf of Plains All American, respectfully submits notification of sampling to be conducted at the below locations:.

South Bell Lake 263H Release
I-6-24S-34E
Lea County, NM

Sampling will begin at 7:00 a.m. on Thursday, August 31, 2023, and be continuous for three weeks.

Thank You,

Nate Reece
Environmental Scientist

GHD
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11451 Katy Fwy #400, Houston, TX 77079 United States
M +1 281 386 7158 | **E** nate.reece@ghd.com

GHD FIRST | 24 Hour Emergency Response | US: 866 812 9565 | Canada: 800 679 9082

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Nate Reece

From: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Sent: Thursday, September 21, 2023 10:50 AM
To: Nate Reece; Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD
Cc: Enviro, OCD, EMNRD; Karolanne Hudgens; J.T. Murrey; Daniel Sparks
Subject: RE: [EXTERNAL] Sampling Notification

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Scott Rodgers ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd

From: Nate Reece <Nate.Reece@ghd.com>
Sent: Thursday, September 21, 2023 6:20 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Karolanne Hudgens <Karolanne.Hudgens@plains.com>; J.T. Murrey <JT.Murrey@ghd.com>; Daniel Sparks <Daniel.Sparks@ghd.com>
Subject: [EXTERNAL] Sampling Notification

To Whom it May Concern,

GHD on behalf of Plains All American, respectfully submits notification of sampling to be conducted at the below locations:.

South Bell Lake 263H Release
I-6-24S-34E
Lea County, NM

Sampling will begin at 7:00 a.m. on Monday, September 25, 2023, and be continuous for three weeks.

Thank You,

Nate Reece
Project Manager - Environmental Scientist

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Nate Reece

From: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Sent: Friday, October 20, 2023 10:36 AM
To: Nate Reece; Velez, Nelson, EMNRD; Bratcher, Michael, EMNRD
Cc: Enviro, OCD, EMNRD; Karolanne Hudgens; J.T. Murrey; Liam Giersdorf
Subject: RE: [EXTERNAL] Sampling Notification

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Scott Rodgers ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd

From: Nate Reece <Nate.Reece@ghd.com>
Sent: Friday, October 20, 2023 7:36 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Karolanne Hudgens <Karolanne.Hudgens@plains.com>; J.T. Murrey <JT.Murrey@ghd.com>; Liam Giersdorf <Liam.Giersdorf@ghd.com>
Subject: [EXTERNAL] Sampling Notification

To Whom it May Concern,

GHD on behalf of Plains All American, respectfully submits notification of sampling to be conducted at the below locations:.

South Bell Lake 263H Release
I-6-24S-34E
Lea County, NM

Sampling will begin at 8:00 a.m. on Tuesday, October 24, 2023, and be continuous for three weeks.

Thank You,

Nate Reece
Project Manager - Environmental Scientist

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

QUESTIONS

Action 336610

QUESTIONS

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID: 34053
	Action Number: 336610
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2324043455**
Incident Name	**NAPP2324043455 PLAINS SOUTH BELL LAKE 263H RELEASE @ 0**
Incident Type	**Oil Release**
Incident Status	**Deferral Request Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	PLAINS SOUTH BELL LAKE 263H RELEASE
Date Release Discovered	08/27/2023
Surface Owner	State

Incident Details	
Please answer all the questions in this group.	
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	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure | Other (Specify) | Crude Oil | Released: 11 BBL | Recovered: 0 BBL | Lost: 11 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)	The cause of the release was attributed to bad bearings on a charge pump associated with our LACT unit. The bearings in the charge pump went out, which caused vibration to break the nipple on the sampler probe, which ultimately caused a crude oil release on the adjacent ground surface.

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QUESTIONS (continued)

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID: 34053
	Action Number: 336610
	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	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Karolanne Hudgens Title: HSE Remediation Specialist II Email: karolanne.hudgens@plains.com Date: 04/23/2024

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QUESTIONS (continued)

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID: 34053
	Action Number: 336610
	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 26 and 50 (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 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ 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	Low
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
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	916
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	6480.5
GRO+DRO (EPA SW-846 Method 8015M)	3240.5
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	09/07/2023
On what date will (or did) the final sampling or liner inspection occur	11/17/2023
On what date will (or was) the remediation complete(d)	11/30/2023
What is the estimated surface area (in square feet) that will be reclaimed	1000
What is the estimated volume (in cubic yards) that will be reclaimed	74
What is the estimated surface area (in square feet) that will be remediated	3898
What is the estimated volume (in cubic yards) that will be remediated	440
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID: 34053
	Action Number: 336610
	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	OWL LANDFILL JAL [fJEG1635837366]
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)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
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: 04/23/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID: 34053
	Action Number: 336610
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	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	The remaining soil sample exceedance above the most stringent OCD Closure Criteria (SW-1 (1')A total TPH 251 mg/Kg, utilizing TPH Limit of 100 mg/Kg) is located immediately adjacent to a tank battery and associated equipment under the ownership of a 3rd party operator (Kaiser Francis). Plains cannot remove the equipment, as it is owned by another company, and continuing to dig in this area will cause structural integrity and safety issues for Plains personnel/contractors, as well as personnel associated with the 3rd party operator. This tank battery is currently in operation. Plains respectfully requests to leave the minimal concentration in place until facility abandonment, during which time Plains will complete the remediation efforts in this sample location.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	250
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	14
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.	
Enter the facility ID (f#) on which this deferral should be granted	BLUS PAD 11 [fAPP2205630801]
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
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: 04/23/2024

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QUESTIONS (continued)

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID: 34053
	Action Number: 336610
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	***{Unavailable.}***

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID: 34053
	Action Number: 336610
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
nvelez	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.	5/16/2024