Page 1 of 690

Incident ID	NRM2020631097
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	ng items must be included in the closu	re report.
A scaled site and sampling diagram as described in 19.15.2	29.11 NMAC	
Photographs of the remediated site prior to backfill or pho must be notified 2 days prior to liner inspection)	tos of the liner integrity if applicable (	Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate C	DDC District office must be notified 2 of	days prior to final sampling)
Description of remediation activities		
I hereby certify that the information given above is true and come and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance should their operations have failed to adequately investigate and human health or the environment. In addition, OCD acceptance compliance with any other federal, state, or local laws and/or regrestore, reclaim, and re-vegetate the impacted surface area to the accordance with 19.15.29.13 NMAC including notification to the Printed Name:  Amber Groves  Signature:  algroves@paalp.com	rtain release notifications and perform e of a C-141 report by the OCD does not remediate contamination that pose a thought of a C-141 report does not relieve the gulations. The responsible party acknot conditions that existed prior to the relee OCD when reclamation and re-veget  Title: Remediation Specialist	corrective actions for releases which of relieve the operator of liability mreat to groundwater, surface water, operator of responsibility for wledges they must substantially ease or their final land use in ation are complete.
OCD Only		
Received by:	Date:	_
Closure approval by the OCD does not relieve the responsible paremediate contamination that poses a threat to groundwater, surfaparty of compliance with any other federal, state, or local laws an	ce water, human health, or the environi	
Closure Approved by: Bradford Billing	Date: 06/14/2021	
Printed Name: Bradford Billings	Title:	Env.Spec.A



12600 WEST CO RD 91 MIDLAND, TX 79707 OFFICE: 432.653.4203

# SITE REMEDIATION/RECLAMATION ACTIVITIES AND CLOSURE REPORT

PLAINS PIPELINE, L.P.

ARTESIA GATHERING EAST HISTORICAL RELEASE
EDDY COUNTY, NM

NMOCD INCIDENT #: NRM2020631097

SRS #: ARTESIA GATHERING EAST HISTORICAL

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- Appendix A. NMOCD C-141 Forms
- Appendix B. NMOSE Water Well Data
- Appendix C. Laboratory Analytical Reports
- Appendix D. Photographic Documentation
- Appendix E. Extension Request and NMOCD Response

March 17, 2021

New Mexico Oil Conservation Division, District II 811 S. First Street Artesia, New Mexico 88210

Bureau of Land Management 620 E. Green Street Carlsbad, New Mexico 88220

Re: Site Remediation/Reclamation Activities and Closure Report

**Artesia Gathering East Historical Release** 

Unit Letter L, Section 23, Township 17S, Range 30E

GPS Coordinates: N 32.8193, W -103.9472

**Eddy County, New Mexico** 

NMOCD Incident #: NRM2020631097

#### 1. Introduction

Dean Companies, Inc. (Dean) is pleased to present this Site Remediation/Reclamation Activities and Closure Report on behalf of Plains Pipeline, L.P. (Plains) to document the results of site reclamation and soil remediation activities that were conducted at the Artesia Gathering East Historical Release site. The historical crude oil release is located off Hwy 82, approximately 1.92 miles east/northeast of Loco Hills, New Mexico in Unit Letter L, Section 23, Township 17S and Range 30E. The GPS coordinates for the site are N 32.8193° and W -103.9472°. A "Site Location Map" and "Topographic Map" are provided as Figures 1 and 2. The United States Bureau of Land Management (BLM) is the surface owner of the property.

## 2. Release Description and Response

During a pipeline relinquishment inspection, a historic crude oil pipeline release was discovered at the Artesia Gathering East Historical Release site. An unknown volume of crude was released with no known recovery and affected a surface area measuring approximately one hundred sixtyfive (165) feet (ft.) in length by one hundred fifteen (115) ft. in width to a maximum depth of four and half feet (4.5) ft. below ground surface (bgs).

Upon discovery and initial site assessment, Dean was assigned management responsibilities for impacted soil delineation, remediation, soil sampling, site restoration, and reporting activities by Plains. On July 21, 2020, Plains submitted the C-141 Form to the NMOCD (Appendix A).

## 3. NMOCD Regulatory Limits

New Mexico Oil Conservation Division (NMOCD) assessment and cleanup levels for hydrocarbon and saltwater releases are based on depth to groundwater and follow the criteria in the revised August 2018 Title 19 Chapter 15 Part 29 New Mexico Administrative Code (19.15.29 NMAC) regulations. Groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and the New Mexico Bureau of Geology & Mineral Resources (NMBGMR) were accessed to determine if any registered water wells were located near the site. The NMOSE data base lists the nearest measured water well (RA 11914 POD1) with a measured groundwater depth of 80 feet bgs. See Appendix B for the NMOSE water well data for the well nearest the site. As outlined in 19.15.29.12.B.(4) NMAC, the release does not occur in referenced sensitive areas, but is located in a field with the nearest water body feature being an unnamed draw located approximately 6.95 miles west of the site. In addition, the site is not located within a known Bureau of Land Management (BLM) karst topography region. See Figure 3 "Site Location Relative to Known Regional Karst Topography". Meeting the previous criteria, the NMOCD restoration levels for a release located off a pad is as follows:

NMOCD reclamation levels to four (4) ft bgs: NMOCD remediation levels > four (4) ft bgs:

•	Chloride	600 mg/Kg	Chloride	600 mg/Kg
•	TPH (Total)	100 mg/Kg	TPH (GRO + DRO)	1,000 mg/Kg
•	Benzene	10 mg/Kg	TPH (Total)	2,500 mg/Kg
•	BTEX	50 mg/Kg	Benzene	10 mg/Kg
			BTEX	50 mg/Kg

## 4. Initial Soil Assessment and Sample Activities

On July 7, 2020, initial soil assessment activities were performed at the release site. A hand auger was utilized to collect soil samples from the site to determine depth of hydrocarbon and chloride impacts. Soil samples were collected at one (1) ft. to two (2) ft intervals beginning from surface to one (1) ft bgs to a maximum depth of three (3) ft. across twelve (12) auger hole locations (AH-1 through AH-12). Based on field screening representative samples from the ten (10) of the twelve (12) auger holes, (AH-1, AH-3, AH-4 and AH-6 through AH-12) were placed into laboratoryprovided sample containers, labeled, stored on ice, and transported under proper chain-ofcustody documentation to Permian Basin Environmental Lab of Midland, Texas, (PBELAB). Samples were analyzed for total petroleum hydrocarbons (TPH) utilizing Method SW-846 8015M, benzene, toluene, ethylbenzene, and xylenes (BTEX) utilizing Method SW-846 8021B, and chlorides utilizing Method 300.0. See Figure 4 "Initial Site Delineation Details and Confirmation Soil Sample Location Map". The Benzene and Total BTEX concentrations were below the NMOCD standards of 10 milligrams per kilogram (mg/Kg) and 50 mg/Kg respectively, for all samples analyzed. In addition, the chlorides were below the NMOCD remediation standards of 600 mg/Kg. The Total TPH concentrations were above the NMOCD standards of 100 mg/Kg at depths of four (4) ft bgs or less for all soil samples analyzed with the exception of soil samples AH-4 @ 1', AH-4 @ 3', AH-11 @ surface, and AH-12 @ 3'. The Total TPH concentrations exceeding the NMOCD standards ranged from 139 mg/Kg (AH-11 @ 3') to 2,601 mg/kg (AH-7 @ 1'). The Total TPH was delineated only in auger holes AH-4 and AH-12. Once initial soil delineation results were received, Plains determined the release was of an unknown reportable quantity and submitted an initial C-141. See Table 1 for delineation analytical results. Laboratory reports containing analytical methods, results, and chain-of-custody documents are included in Appendix C.

## 5. Soil Remediation Activities and Confirmation Sample Analysis

Between August 31, 2020 and February 3, 2021, Dean was onsite to complete the delineation of the site and conduct soil remediation along with sampling activities at the Artesia Gathering East Historical Release. Utilizing a trackhoe and backhoe, soils were excavated around the former Plains pipeline in two (2) areas (north and south). During the excavation activities, the soils were field screened utilizing a photoionization detector (PID), chloride test strips, and visual observations. Based on the field PID screening, chloride field testing analytical results and visual observations, the northern release was excavated to dimensions of approximately one hundred seventy-five (175) feet (ft) in length by sixty (60) ft to one hundred twenty-five (125) ft in width to

a maximum depth of four and a half (4.5) ft bgs, while the southern release was excavated to dimensions of approximately ninety (90) ft in length by thirty (30) ft to seventy-five (75) ft in width to a maximum depth of four and a half (4.5) ft bgs. See Appendix D Site Photographic Documentation.

Between September 8 and 22, 2020, upon completion of the excavation activities to initial depths of one (1) to three (3) ft bgs, eighty-one (81) confirmation bottom hole samples (BH-1 through BH-71 with BH-8, BH-9, BH-58 through BH-71 sampled at depths of one (1) ft bgs while all other samples were at three (3) ft bgs for the northern excavation and BH-72 to BH-81 all sampled at a depth of one (1) ft bgs with the exception of BH-81 sampled at two (2) ft bgs in the southern excavation) and twenty (20) side wall samples (East SW-1 @ 1.5', East SW A1 @ 1.5', East SW B1 @ 1', North SW-1 @ 1.5', North SW A1 @ 1.5', North SW A2 @ 1.5', North SW B1 @ 1', South SW @ 6', South SW-2 @ 2', South SW A1 @ 1.5', South SW A2 @ 2', South SW B1 @ 1', West SW A1 @ 1.5', West SW A2 @ 1.5', West SW A3 @ 6", West SW B1 @ 1' for northern excavation and East SW B2 @ 6", North SW B2 @ 6", South SW B2 @ 6", West SW B2 @ 6" for southern excavation), and not exceeding a sampling distance of 200 square feet, were collected, placed in laboratory provided sample containers, labeled, stored on ice, and transported under proper COC documentation to PBELab in Midland, Texas. Soils were analyzed for TPH by Method SW-846 8015M, BTEX by Method SW-846 8021B, and chlorides utilizing Method SM4500-CL-B. Benzene and total BTEX concentrations were below the NMOCD reclamation/remediation standards of 10 mg/kg and 50 mg/Kg respectively, for all samples analyzed. Chloride concentrations were below the NMOCD reclamation/remediation standards of 600 mg/Kg for all samples analyzed. The TPH concentrations were below the NMOCD reclamation standards of 100 mg/Kg at depths of four (4) ft bgs or less in twenty-eight (28) bottom hole soil samples (BH-2 @ 3', BH-4 through BH-7 @ 3', BH-8 @ 1', BH-10 through BH-13 @ 3', BH-16 @ 3', BH-18 @ 3', BH-19 @ 3', BH-21 @ 3', BH-22 through BH-25 @ 3', BH-28 through BH-31 @ 3', BH-34 through BH-36 @ 3', BH-40 through BH-42 @ 3' and BH-71 @ 1') of the seventy-one (71) collected and analyzed in the northern remediation and were below all ten (10) bottom hole soil samples (BH-72 @ 1' through BH-80 @ 1' and BH-81 @ 2') collected and analyzed in the southern remediation. The TPH concentrations exceeding the NMOCD reclamation standards of 100 mg/Kg for the bottom holes ranged from 101.4 mg/Kg for soil sample BH-3 @ 3' to 1,257 mg/Kg for soil sample BH-27 @ 3'. See Figure 5 "Site Details and Confirmation Soil Sample Location Map North Bottom Hole" and Figure 7 "Site Details and Confirmation Soil Sample Location Map South Bottom Hole" for soil sample locations. Of the sixteen (16) side wall samples collected and analyzed for TPH on the northern excavation, five

(5) samples (North SW-1 @ 1.5', North SW A1 @ 1.5', North SW A2 @ 1.5', West SW A1 @ 1.5', and West SW A2 @ 1.5') were above the NMOCD reclamation standards of 100 mg/Kg and ranged from a concentration of 164.9 mg/Kg for soil sample West SW A1 @ 1.5' to 355.4 mg/Kg for soil sample North SW A2 @ 1.5'. All four (4) of the side wall samples collected and analyzed for the southern excavation were below the NMOCD reclamation standards of 100 mg/Kg. See Figure 6 "Site Details and Confirmation Soil Sample Location Map North Side Wall" and Figure 8 "Site Details and Confirmation Soil Sample Location Map South Side Wall" for wall sample locations.

Between November 5 and 6, 2020, after further excavation to a maximum depth of four (4) ft bgs in areas which exceeded the NMOCD reclamation standards, fifty-four (54) confirmation bottom hole samples (BH-1, BH-3, BH-9, BH-14, BH-15, BH17, BH-20, BH-21, BH-26, BH-27, BH-32, BH-33, BH-37 through BH-39, BH-45 through BH-70 [all to a depth of four (4) ft bgs], BH-82 through BH-85 [all at three (3) ft bgs] and BH-86 through BH-92 [all at four (4) ft bgs] for northern excavation and B-81 @ 4' and BH-93 @ 4' for southern excavation) and seventeen (17) side wall samples (East SW B @ 3.5', East SW 3 @ 3.5', East SW D @ 3.5', North SW B1A @ 2', North Wall C @ 3.5', South SW-3 @ 3.5', South SW B @ 3.5', South SW C @ 3.5', South SW D @ 3.5', West SW B1A @ 1.5', West SW B2A @ 2', West SW C @ 3.5' for northern excavation and North SW B2A @ 2', North SW C @ 2', South SW C @ 2', West SW @ 2', West SW C @ 2' for southern excavation), not exceeding a sampling distance of 200 square feet were collected, placed in laboratory provided sample containers, labeled, stored on ice, and transported under proper COC documentation to PBELab for analysis of TPH by Method SW-846 8015M. The TPH concentrations were above the NMOCD reclamation standards of 100 mg/Kg at depths of four (4) ft bgs or less in twenty-three (23) bottom hole soil samples (BH-9 @ 4', BH-14 @ 4'. BH-21 @ 4', BH-26 @ 4', BH-27 @ 4', BH-32 @ 4', BH-37 @ 4', BH-45 @ 4', BH-46 @ 4', BH-48 @ 4', BH-49 @ 4', BH-50 @ 4', BH-52 @ 4', BH-54 @ 4', BH-56 @ 4', BH-57 @ 4', BH-58 @ 4', BH-61 @ 4', BH-62 @ 4', BH-69 @ 4', BH-86 @ 4', BH-89 @ 4', BH-90 @ 4') of the fifty-two (52) collected in the northern remediation and were below in the two (2) bottom hole samples collected in the southern remediation. The TPH concentrations exceeding the NMOCD reclamation standards of 100 mg/Kg for the bottom hole samples ranged from 215.6 mg/Kg for soil sample BH-61 @ 4' to 1,080 mg/Kg for soil sample BH-32 @ 4'. Of the twelve (12) side wall samples collected and analyzed for TPH on the northern excavation, two (2) samples (North Wall C @ 3.5' and East SW B @ 3.5') were above the NMOCD reclamation standards of 100 mg/Kg with concentrations of 322 mg/Kg and 297.1 mg/Kg, respectively. All five (5) of the side wall samples collected and

analyzed for the southern excavation were below the NMOCD reclamation standards of 100 mg/Kg.

On February 26, 2021, after further excavation to depths of four and a half (4.5) ft bgs in areas which exceeded the NMOCD reclamation standards, two (2) confirmation bottom hole samples (BH-43 @ 4.5' and BH-44 @ 4.5' in the northern excavation) and one (1) side wall sample (NSW C-2 @ 3.5' in northern excavation), not exceeding a sampling distance of 200 square feet were collected, placed in laboratory provided sample container, labeled, stored on ice, and transported under property COC documentation to PBELab for analysis of TPH by Method SW-846 8015M. The TPH concentrations were below the NMOCD remediation standards of 2,500 mg/Kg total TPH for bottom hole soil samples BH-43 @ 4.5' and BH-44 @ 4.5' with concentrations of <25.3 mg/Kg total TPH for both samples. The one (1) side wall sample NSW C-2 @ 3.5' was below the NMOCD reclamation standard of 100 mg/Kg with a concentration of 50 mg/Kg total TPH.

## 6. Site Extension Request

On November 30, 2020, Plains requested an extension of NMOCD Incident #: 2020631097 which was granted on December 2, 2020 by the NMOCD until January 1, 2021. On December 29, 2020, due to weather delays and other constraints on the project, Plains requested a second extension on the project. In an email dated January 12, 2021, the NMOCD granted a second extension until February 15, 2021. See Appendix E for copies of the extension requests and approvals.

## 7. Site Reclamation Activities and Closure Request

Between January 8 and February 3, 2021, Dean was onsite to load and transport the hydrocarbon impacted soils for disposal. Approximately 3,170.50 cubic yards of impacted soils were transported offsite for disposal at Leeland, LLC, of Carlsbad, New Mexico. Waste manifests will be available upon request. From January 8 through January 29, 2021, 2020, approximately 2,900 cubic yards of topsoil comprised of locally sourced non-impacted soils were brought to the site as backfill material and the site recontoured to match the surrounding topography.

In accordance with 19.15.29.13 NMAC, the site will be reseeded utilizing BLM #1 seed per BLM guidance, when growing conditions are ideal and danger of frost is not present. Due to native topography rendering drill application ineffective, seed will be broadcasted at double the rate recommende. Once broadcasting has been completed, erosion control methods will be implemented, as needed, to increase long term stability of the site. The site will be continually

monitored by Plains on a quarterly basis until desired growth of native grasses is achieved. Full closure of the site will be requested from BLM at that time.

With the completion of the site remediation and reclamation activities, Plains respectfully requests NMOCD approval for closure of NMOCD incident # 2020631097. Plains also requests BLM approval of remediation requirements being met. An updated C-141 closure is attached to this report.

If you have any questions, or if additional information is required please feel free to contact Amber Groves (email: ALGroves@paalp.com, cell: 575.200.7717) of Plains or Sylwia Reynolds (email: sylwiareynolds@deandigs.com, cell: 432.999.8675) or Jeff Kindley (email: jeffreykindley@deandigs.com, cell: 432.230.0920) of Deans.

Sincerely,

Sylwia Reynolds

**Project Manager** 

Jeffrey Kindley, 🗗 G

**Professional Geologist** 

# **TABLES**



#### **Delineation Sampling**

Concentrations of Benzene, BTEX, Chlorides, and TPH in Soil

Plains Pipeline, L.P.

Artesia Gathering East Remediation

**Eddy County, NM** 

SRS #Artesia Gathering East Historical

	SAMPLE IN	FORMATIO	N			METHODS:	EPA SW 846-80	021B, 5030		METHOD: E 300		METHOD	S: EPA SW 84	46-8015M	
SAMPLE ID	SAMPLE DATE	SAMPLE DEPTH	SAMPLE METHOD	MATRIX	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL- BENZENE (mg/kg)	XYLENE (mg/kg)	Total BTEX (mg/kg)	CHLORIDES (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	GRO +DRO (mg/kg)	ORO (mg/kg)	TOTAL TPH (mg/kg)
AH-1 @ 1'	07/07/20	1 FT	GRAB	SOIL	<0.00101	0.0144	0.00276	0.00897	0.02613	6.17	<25.3	889	889	538	1,427
AH-1 @2'	07/07/20	2 FT	GRAB	SOIL	<0.00102	0.00627	<0.00102	<0.00204	0.00627	5.11	<25.5	406	406	233	639
AH-1 @ 3'	07/07/20	3 FT	GRAB	SOIL	<0.00102	0.0190	0.00491	0.01633	0.04024	12.4	<25.5	307	307	165	472
AH-3 @1'	07/07/20	1 FT	GRAB	SOIL	<0.00103	0.00618	<0.00103	<0.00206	0.00618	7.28	<28.8	872	872	583	1,455
AH-3 @3'	07/07/20	3 FT	GRAB	SOIL	<0.00103	0.00411	<0.00103	<0.00206	0.00411	5.20	<25.8	1,130	1,130	554	1,684
AH-4 @ 1'	07/07/20	1 FT	GRAB	SOIL	<0.00100	0.00463	0.00108	0.00360	0.00931	7.17	<25.0	30.1	30.1	<25.0	30.1
AH-4 @ 3'	07/07/20	3 FT	GRAB	SOIL	<0.00103	0.00235	<0.00103	<0.00206	0.00235	13.0	<25.8	<25.8	<25.8	<25.8	<25.8
AH-6 @ 1'	07/07/20	1 FT	GRAB	SOIL	-	-	-	-	-	-	<25.3	841	841	391	1,232
AH-6 @ 3'	07/07/20	3 FT	GRAB	SOIL	-	-	-	-	-	-	<25.8	707	707	360	1,067
AH-7 @ 1'	07/07/20	1 FT	GRAB	SOIL	0.00103	0.00446	<0.00102	0.00204	0.00549	4.50	<25.5	1,740	1,740	861	2,601
AH-7 @ 3'	07/07/20	3 FT	GRAB	SOIL	<0.00102	0.00300	<0.00102	<0.00204	0.00300	8.97	<25.5	844	844	451	1,295
AH-8 @ 1'	07/07/20	1 FT	GRAB	SOIL	-	-	-	-	-	-	<25.3	316	316	204	520
AH-8 @ 3'	07/07/20	3 FT	GRAB	SOIL	-	-	-	-	-	-	<25.5	646	646	258	904
AH-9 @ 1'	07/07/20	1 FT	GRAB	SOIL	<0.00102	0.00776	<0.00102	0.00251	0.01027	4.35	<25.5	1,280	1,280	610	1,890
AH-9 @ 3'	07/07/20	3 FT	GRAB	SOIL	<0.00102	0.00417	<0.00102	<0.00204	0.00417	11.3	<25.5	1,380	1,380	655	2,035
AH-10 @ 1'	07/07/20	1 FT	GRAB	SOIL	-	-	-	-	-	-	<25.3	1,260	1,260	611	1,871
AH-10 @ 3'	07/07/20	3 FT	GRAB	SOIL	-	-	-	-	-	-	<25.5	536	536	302	838
AH-11 @ SURFACE	07/07/20	SUR.	GRAB	SOIL	<0.00101	0.00239	<0.00101	<0.00202	0.00239	9.94	<25.3	43.6	43.6	<25.3	43.6
AH-11 @ 1'	07/07/20	1 FT	GRAB	SOIL	<0.00100	0.00511	<0.00100	<0.00200	0.00511	12.4	<25.0	129	129	63.5	192.5
AH-11 @ 3'	07/07/20	3 FT	GRAB	SOIL	<0.00101	0.00410	0.00103	0.00393	0.00906	9.79	<25.3	97.5	97.5	41.5	139
AH-12 @ 1'	07/07/20	1 FT	GRAB	SOIL	<0.00101	0.00487	0.00102	0.00303	0.00892	10.0	<25.3	140	140	56.6	196.6
AH-12 @ 3'	07/07/20	3 FT	GRAB	SOIL	<0.00103	0.00148	<0.00103	0.00225	0.00373	8.79	<25.8	<25.8	<25.8	<25.8	<25.8
NMOCD Reclamation	Standards to	4' bgs			10	-	-	-	50	600	-	-	-	-	100
NMOCD Remediation	Action Level	s (RAL) > 4'	bgs		10	-	-	-	50	600	-	-	1,000	-	2,500

exceeds the NMOCD Reclamation Standards to 4' bgs

exceeds the NMOCD RAL and Reclamation Standards



#### **Confirmation Sampling**

#### Concentrations of Benzene, BTEX, Chlorides, and TPH in soil

#### Plains Pipeline, L.P.

# Artesia Gathering East Remediation

## **Eddy County, New Mexico**

	SAMPLE INFORMATION					METHODS:	EPA SW 846-	8021B, 5030		METHOD: E 300		METHO	DS: EPA SW 846	-8015M	
SAMPLE ID	SAMPLE DATE	SAMPLE DEPTH	SAMPLE METHOD	MATRIX	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL- BENZENE (mg/kg)	XYLENE (mg/kg)	Total BTEX (mg/kg)	CHLORIDES (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	GRO +DRO (mg/kg)	ORO (mg/kg)	TOTAL TPH (mg/kg)
BH-1 @ 3'	09/08/20	3 ft	Composite	Soil	0.00389	0.00206	<0.00101	<0.00202	0.00595	1.15	<25.3	232	232	97.4	329.4
BH-1 @ 4'	11/06/20	4 ft	Composite	Soil	-	•	-	-	-	ı	<25.5	26.9	26.9	<25.5	26.9
BH-2 @ 3'	09/08/20	3 ft	Composite	Soil	0.00609	0.00747	0.00149	<0.00202	0.01505	<1.01	<25.3	<25.3	<25.3	<25.3	<25.3
BH-3 @ 3'	09/08/20	3 ft	Composite	Soil	0.0450	0.0360	0.00854	0.00331	0.09285	3.75	<25.0	71.0	71.0	30.4	101.4
BH-3 @ 4'	11/06/20	4 ft	Composite	Soil	-	•	-	-	-	ı	<25.3	45.4	45.4	37.2	82.6
BH-4 @ 3'	09/08/20	3 ft	Composite	Soil	0.0185	0.0167	0.00295	<0.00200	0.03815	1.80	<25.0	<25.0	<25.0	<25.0	<25.0
BH-5 @ 3'	09/08/20	3 ft	Composite	Soil	0.0224	0.0175	0.00337	<0.00200	0.04327	3.21	<25.0	30.8	30.8	<25.0	30.8
BH-6 @ 3'	09/08/20	3 ft	Composite	Soil	0.0377	0.0904	0.0909	0.0599	0.2789	1.18	<25.3	<25.3	<25.3	<25.3	<25.3
BH-7 @ 3'	09/08/20	3 ft	Composite	Soil	0.0602	0.0605	0.0185	0.00687	0.14607	1.03	<25.0	<25.0	<25.0	<25.0	<25.0
BH-8 @ 1'	09/08/20	1 ft	Composite	Soil	0.0706	0.132	0.0922	0.0558	0.3506	3.41	<25.3	47.5	47.5	<25.3	47.5
BH-9 @ 1'	09/08/20	3 ft	Composite	Soil	0.118	0.151	0.0481	0.02147	0.33857	1.06	<25.3	207	207	111	318
BH-9 @ 4'	11/06/20	4 ft	Composite	Soil	-	-	-	-	-	-	<25.5	381	381	220	601
BH-9 @ 4.5'	12/03/20	4.5 ft	Composite	Soil	-	-	-	-	-	-	<25.8	184	184	88.3	272.3
BH-10 @ 3'	09/16/20	3 ft	Composite	Soil	0.0131	0.0424	0.0277	0.01363	0.09683	4.78	<25.3	<25.3	<25.3	<25.3	<25.3
BH-11 @ 3'	09/16/20	3 ft	Composite	Soil	0.0194	0.0303	0.0134	0.00489	0.06799	3.89	<25.3	40.4	40.4	<25.3	40.4
BH-12 @ 3'	09/16/20	3 ft	Composite	Soil	0.0235	0.0403	0.0197	0.00892	0.09242	7.97	<25.5	<25.5	<25.5	<25.5	<25.5
BH-13 @ 3'	09/16/20	3 ft	Composite	Soil	0.00459	0.0117	0.00633	<0.00404	0.02262	5.19	<25.3	<25.3	<25.3	<25.3	<25.3
BH-14 @ 3'	09/16/20	3 ft	Composite	Soil	0.0300	0.0431	0.0177	0.0077	0.0985	2.75	<25.3	780	780	331	1,111
BH-14 @ 4'	11/05/20	4 ft	Composite	Soil	-	-	-	-	-	-	<25.3	585	585	320	905
BH-14 @ 4.5'	12/03/20	4.5 ft	Composite	Soil	-	-	-	-	-	-	<25.8	347	347	193	540
BH-15 @ 3'	09/16/20	3 ft	Composite	Soil	0.0144	0.0205	0.00827	<0.00400	0.04317	6.35	<25.0	400	400	171	571
BH-15 @ 4'	11/05/20	4 ft	Composite	Soil	-	-	-	-	-	-	<25.3	29.0	29.0	<25.3	29.0
BH-16 @ 3'	09/16/20	3 ft	Composite	Soil	0.0193	0.0377	0.0217	0.01123	0.08993	9.90	<25.3	<25.3	<25.3	<25.3	<25.3
BH-17 @ 3'	09/16/20	3 ft	Composite	Soil	0.0237	0.0352	0.0138	0.00645	0.07915	8.16	<25.3	157	157	72.7	229.7
BH-17B @ 3'	11/05/20	3 ft	Composite	Soil	-	-	-	-	-	-	<25.3	<25.3	<25.3	<25.3	<25.3
BH-18 @ 3'	09/16/20	3 ft	Composite	Soil	0.00963	0.0165	0.00683	<0.00404	0.03296	9.46	<25.3	<25.3	<25.3	<25.3	<25.3
BH-19 @ 3'	09/16/20	3 ft	Composite	Soil	0.00458	0.00878	0.00365	<0.00404	0.01701	6.64	<25.3	<25.3	<25.3	<25.3	<25.3
BH-20 @ 3'	09/16/20	3 ft	Composite	Soil	0.0212	0.0209	0.00766	<0.00404	0.04976	7.17	<25.3	488	488	216	704



#### **Confirmation Sampling**

#### Concentrations of Benzene, BTEX, Chlorides, and TPH in soil

#### Plains Pipeline, L.P.

# Artesia Gathering East Remediation

## Eddy County, New Mexico SRS # Artesia Gathering East Historical

	SAMPLE INFORMATION					METHODS:	EPA SW 846-	8021B, 5030		METHOD: E 300		METHO	DS: EPA SW 846	-8015M	
SAMPLE ID	SAMPLE DATE	SAMPLE DEPTH	SAMPLE METHOD	MATRIX	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL- BENZENE (mg/kg)	XYLENE (mg/kg)	Total BTEX (mg/kg)	CHLORIDES (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	GRO +DRO (mg/kg)	ORO (mg/kg)	TOTAL TPH (mg/kg)
BH-20 @ 4'	11/05/20	4 ft	Composite	Soil	-	-	-	-	-	-	<25.3	40.7	40.7	<25.3	40.7
BH-21 @ 3'	09/16/20	3 ft	Composite	Soil	0.0161	0.0194	0.00718	<0.00408	0.04268	6.70	<25.5	324	324	160	484
BH-21 @ 4'	11/05/20	4 ft	Composite	Soil	-	-	-	-	-	-	<25.3	226	226	107	333
BH-21 @ 4.5'	12/03/20	4.5 ft	Composite	Soil	-	-	-	-	-	-	<25.8	639	639	310	949
BH-22 @ 3'	09/18/20	3 ft	Composite	Soil	<0.00103	<0.00103	<0.00103	<0.00206	<0.00206	6.38	<25.8	<25.8	<25.8	<25.8	<25.8
BH-23 @ 3'	09/18/20	3 ft	Composite	Soil	<0.00105	<0.00105	<0.00105	<0.00211	<0.00211	9.18	<26.3	27.2	27.2	<26.3	27.2
BH-24 @ 3'	09/18/20	3 ft	Composite	Soil	<0.00103	<0.00103	<0.00103	<0.00206	<0.00206	6.57	<25.8	<25.8	<25.8	<25.8	<25.8
BH-25 @ 3'	09/18/20	3 ft	Composite	Soil	<0.00105	<0.00105	<0.00105	<0.00211	<0.00211	2.71	<26.3	<26.3	<26.3	<26.3	<26.3
BH-26 @ 3'	09/18/20	3 ft	Composite	Soil	<0.00101	<0.00101	<0.00101	<0.00202	<0.00202	2.43	<25.3	372	372	184	556
BH-26 @ 4'	11/05/20	4 ft	Composite	Soil	-	-	-	-	-	-	<25.0	218	218	120	338
BH-26 @ 4.5'	12/03/20	4.5 ft	Composite	Soil	-	-	-	-	-	-	<25.3	192	192	82.1	274.1
BH-27 @ 3'	09/18/20	3 ft	Composite	Soil	<0.00102	<0.00102	<0.00102	<0.00204	<0.00204	5.29	<25.5	827	827	430	1,257
BH-27 @ 4'	11/05/20	4 ft	Composite	Soil	-	-	-	-	-	-	<25.3	252	252	131	383
BH-27 @ 4.5'	12/03/20	4.5 ft	Composite	Soil	-	-	-	-	-	-	<25.5	782	782	405	1,187
BH-28 @ 3'	09/18/20	3 ft	Composite	Soil	<0.00104	<0.00104	<0.00104	<0.00208	<0.00208	4.58	<26.0	<26.0	<26.0	<26.0	<26.0
BH-29 @ 3'	09/18/20	3 ft	Composite	Soil	<0.00103	<0.00103	<0.00103	<0.00206	<0.00206	12.3	<25.8	<25.8	<25.8	<25.8	<25.8
BH-30 @ 3'	09/18/20	3 ft	Composite	Soil	<0.00104	<0.00104	<0.00104	<0.00208	<0.00208	7.07	<26.0	<26.0	<26.0	<26.0	<26.0
BH-31 @ 3'	09/18/20	3 ft	Composite	Soil	<0.00105	<0.00105	<0.00105	<0.00211	<0.00211	3.96	<26.3	<26.3	<26.3	<26.3	<26.3
BH-32 @ 3'	09/18/20	3 ft	Composite	Soil	<0.00101	<0.00101	<0.00101	<0.00202	<0.00202	3.63	<25.3	278	278	138	416
BH-32 @ 4'	11/05/20	4 ft	Composite	Soil	-	-	-	-	-	-	<25.3	698	698	382	1,080
BH-32 @ 4.5'	12/03/20	4.5 ft	Composite	Soil	-	-	-	-	-	-	<25.5	487	487	214	701
BH-33 @ 3'	09/18/20	3 ft	Composite	Soil	<0.00102	<0.00102	<0.00102	<0.00204	<0.00204	2.87	<25.5	151	151	85.7	236.7
BH-33 @ 4'	11/05/20	4 ft	Composite	Soil	-	-	-	-	-	-	<26.0	56.2	56.2	36.8	93.0
BH-34 @ 3'	09/18/20	3 ft	Composite	Soil	<0.00103	<0.00103	<0.00103	<0.00206	<0.00206	12.1	<25.8	<25.8	<25.8	<25.8	<25.8
BH-35 @ 3'	09/18/20	3 ft	Composite	Soil	<0.00103	0.00400	<0.00103	<0.00206	0.00400	5.87	<25.8	58.3	58.3	<25.8	58.3
BH-36 @ 3'	09/18/20	3 ft	Composite	Soil	<0.00103	<0.00103	<0.00103	<0.00206	<0.00206	7.71	<25.8	<25.8	<25.8	<25.8	<25.8
BH-37 @ 3'	09/18/20	3 ft	Composite	Soil	0.00386	0.00757	<0.00101	0.00208	0.01351	6.08	<25.3	401	401	234	635



#### **Confirmation Sampling**

#### Concentrations of Benzene, BTEX, Chlorides, and TPH in soil

#### Plains Pipeline, L.P.

## Artesia Gathering East Remediation Eddy County, New Mexico

	SAMPLE INFORMATION					METHODS:	EPA SW 846-	8021B, 5030		METHOD: E 300		METHO	DS: EPA SW 846	-8015M	
SAMPLE ID	SAMPLE DATE	SAMPLE DEPTH	SAMPLE METHOD	MATRIX	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL- BENZENE (mg/kg)	XYLENE (mg/kg)	Total BTEX (mg/kg)	CHLORIDES (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	GRO +DRO (mg/kg)	ORO (mg/kg)	TOTAL TPH (mg/kg)
BH-37 @ 4'	11/05/20	4 ft	Composite	Soil	-	-	-	-	-	-	<25.3	272	272	151	423
BH-37 @ 4.5'	12/03/20	4.5 ft	Composite	Soil	-	-	-	-	-	-	<25.3	242	242	122	364
BH-38 @ 3'	09/18/20	3 ft	Composite	Soil	0.00263	0.00552	<0.00101	<0.00202	0.00815	3.54	<25.3	306	306	103	409
BH-38 @ 4'	11/05/20	4 ft	Composite	Soil	-	-	-	-	-	-	<25.5	<25.5	<25.5	<25.5	<25.5
BH-39 @ 3'	09/18/20	3 ft	Composite	Soil	0.00272	0.00693	<0.00101	<0.00202	0.00965	3.07	<25.3	221	221	101	322
BH-39 @ 4'	11/05/20	4 ft	Composite	Soil	-		-	-	-	-	<25.5	33.6	33.6	<25.5	33.6
BH-40 @ 3'	09/18/20	3 ft	Composite	Soil	<0.00104	0.00194	<0.00104	<0.00208	0.00194	4.84	<26.0	26.2	26.2	<26.0	26.2
BH-41 @ 3'	09/18/20	3 ft	Composite	Soil	<0.00104	0.00140	<0.00104	<0.00208	0.00140	5.85	<26.0	<26.0	<26.0	<26.0	<26.0
BH-42 @ 3'	09/18/20	3 ft	Composite	Soil	<0.00104	0.00192	<0.00104	<0.00208	0.00192	4.26	<26.0	<26.0	<26.0	<26.0	<26.0
BH-43 @ 3'	09/18/20	3 ft	Composite	Soil	0.00181	0.00416	<0.00102	<0.00204	0.00597	7.51	<25.5	202	202	80.8	282.8
BH-43 @ 4.5'	02/26/21	4.5 ft	Composite	Soil	-	-	-	-	-	-	<25.3	<25.3	<25.3	<25.3	<25.3
BH-44 @ 3'	09/18/20	3 ft	Composite	Soil	0.00470	0.00881	<0.00100	0.00217	0.01568	2.79	<25.0	302	302	114	416
BH-44 @ 4.5'	02/26/21	4.5 ft	Composite	Soil	-	-	-	-	-	-	<25.3	<25.3	<25.3	<25.3	<25.3
BH-45 @ 3'	09/18/20	3 ft	Composite	Soil	0.00232	0.00679	<0.00101	0.00243	0.01154	6.84	<25.3	114	114	51.2	165.2
BH-45 @ 4'	11/05/20	4 ft	Composite	Soil	-	-	-	-	-	-	<25.5	219	219	121	340
BH-45 @ 4.5'	12/03/20	4.5 ft	Composite	Soil	-	1	-	-	-	-	<26.3	338	338	154	492
BH-46 @ 3'	09/18/20	3 ft	Composite	Soil	0.00314	0.00711	<0.00103	0.00224	0.01249	4.24	<25.8	441	441	170	611
BH-46 @ 4'	11/05/20	4 ft	Composite	Soil	-	ı	-	-	-	ı	<25.8	449	449	217	666
BH-46 @ 4.5'	12/03/20	4.5 ft	Composite	Soil	-	1	-	-	-	ı	<134	4,590	4,590	1,360	5,950
BH-46 @ 5'	12/21/20	5 ft	Composite	Soil	-	ı	-	-	-	-	<26.3	<26.3	<26.3	<26.3	<26.3
BH-47 @ 3'	09/18/20	3 ft	Composite	Soil	0.00466	0.00886	<0.00102	<0.00204	0.01352	6.45	<25.5	590	590	209	799
BH-47 @ 4'	11/05/20	4 ft	Composite	Soil	-	-	-	-	-	-	<25.8	<25.8	<25.8	<25.8	<25.8
BH-48 @ 3'	09/18/20	3 ft	Composite	Soil	0.00192	0.00527	<0.00104	0.00215	0.00934	5.61	<26.0	106	106	42.7	148.7
BH-48 @ 4'	11/05/20	4 ft	Composite	Soil	-	-	-	-	-	-	<25.5	146	146	88.1	234.1
BH-48 @ 4.5'	12/03/20	4.5 ft	Composite	Soil	-	-	-	-	-	-	<27.5	66	66	34.5	100.5
BH-49 @ 3'	09/18/20	3 ft	Composite	Soil	0.00453	0.00733	<0.00100	<0.00200	0.01186	4.24	<25.0	794	794	293	1,087
BH-49 @ 4'	11/05/20	4 ft	Composite	Soil	-	-	-	-	-	-	<25.8	404	404	319	723



#### **Confirmation Sampling**

#### Concentrations of Benzene, BTEX, Chlorides, and TPH in soil

#### Plains Pipeline, L.P.

# **Artesia Gathering East Remediation** SRS # Artesia Gathering East Historical

## **Eddy County, New Mexico**

	SAMPLE INFORMATION					METHODS:	EPA SW 846-	8021B, 5030		METHOD: E 300		METHO	DS: EPA SW 846	5-8015M	
SAMPLE ID	SAMPLE DATE	SAMPLE DEPTH	SAMPLE METHOD	MATRIX	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL- BENZENE (mg/kg)	XYLENE (mg/kg)	Total BTEX (mg/kg)	CHLORIDES (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	GRO +DRO (mg/kg)	ORO (mg/kg)	TOTAL TPH (mg/kg)
BH-49 @ 4.5'	12/03/20	4.5 ft	Composite	Soil	-	i	-	1	-	-	<26.9	668	668	357	1,025
BH-50 @ 3'	09/18/20	3 ft	Composite	Soil	0.00352	0.00723	<0.00102	0.00212	0.01287	7.09	<25.5	453	453	211	664
BH-50 @ 4'	11/05/20	4 ft	Composite	Soil	-	•	-	ı	-	-	<25.5	204	204	113	317
BH-50 @ 4.5'	12/03/20	4.5 ft	Composite	Soil	-	-	-	-	-	-	<27.2	93.1	93.1	50.2	143.3
BH-51 @ 3'	09/18/20	3 ft	Composite	Soil	<0.00106	0.00188	<0.00106	<0.00213	0.00188	3.39	<26.6	90.3	90.3	39.9	130.2
BH-51 @ 4'	11/05/20	4 ft	Composite	Soil	-	ı	-	1	-	ī	<26.6	<26.6	<26.6	<26.6	<26.6
BH-52 @ 3'	09/18/20	3 ft	Composite	Soil	0.00353	0.00942	0.00137	0.00354	0.01786	6.29	<25.8	141	141	75.0	216
BH-52 @ 4'	11/05/20	4 ft	Composite	Soil	-	1	-	1	-	i	<25.5	228	228	171.0	399
BH-52 @ 4.5'	12/03/20	4.5 ft	Composite	Soil	-	1	-	1	-	-	<27.2	754	754	354	1,108
BH-53 @ 3'	09/18/20	3 ft	Composite	Soil	0.00301	0.00675	<0.00104	<0.00208	0.00976	3.66	<26.0	628	628	261	889
BH-53 @ 4'	11/06/20	4 ft	Composite	Soil	-	1	-	1	-	-	<26.0	<26.0	<26.0	<26.0	<26.0
BH-54 @ 3'	09/18/20	3 ft	Composite	Soil	0.00411	0.0101	0.00132	0.00344	0.01897	4.00	<26.0	712	712	277	989
BH-54 @ 4'	11/06/20	4 ft	Composite	Soil	-	-	-	-	-	-	27.0	348	375	228	603
BH-54 @ 4.5'	12/03/20	4.5 ft	Composite	Soil	-	ı	-	1	-	=	<26.9	395	395	292	687
BH-55 @ 3'	09/18/20	3 ft	Composite	Soil	0.00526	0.00545	<0.00104	<0.00208	0.01071	4.33	<26.0	352	352	148	500
BH-55 @ 4'	11/06/20	4 ft	Composite	Soil	-	-	-	-	-	-	<25.5	37.4	37.4	26.0	63.4
BH-56 @ 3'	09/18/20	3 ft	Composite	Soil	0.00411	0.00712	<0.00102	<0.00204	0.01123	3.07	<25.5	499	499	220	719
BH-56 @ 4'	11/06/20	4 ft	Composite	Soil	-	-	-	-	-	-	<25.3	497	497	262	759
BH-56 @ 4.5'	12/03/20	4.5 ft	Composite	Soil	-	-	-	-	-	-	<25.5	224	224	126	350
BH-57 @ 3'	09/22/20	3 ft	Composite	Soil	0.00397	0.00462	<0.00101	<0.00202	0.00859	10.0	<25.3	184	184	73.2	257.2
BH-57 @ 4'	11/06/20	4 ft	Composite	Soil	-	-	-	-	-	-	<25.3	207	207	127	334
BH-57 @ 4.5'	12/03/20	4.5 ft	Composite	Soil	-	-	-	-	-	-	<26.6	301	301	180	481
BH-58 @ 1'	09/22/20	1 ft	Composite	Soil	0.00568	0.00796	<0.00101	<0.00202	0.01364	3.78	<25.3	504	504	177	681
BH-58 @ 4'	11/06/20	4 ft	Composite	Soil	-	1	-	1	-	-	<25.5	239	239	153	392
BH-58 @ 4.5'	12/03/20	4.5 ft	Composite	Soil	-	-	-	-	-	-	<26.6	133	133	62.8	195.8
BH-59 @ 1'	09/22/20	1 ft	Composite	Soil	0.00509	0.00807	<0.00100	<0.00200	0.01316	3.99	<25.0	356	356	119	475
BH-59 @ 4'	11/05/20	4 ft	Composite	Soil	-	-	-	-	-	-	<25.5	59.5	59.5	26.3	85.8
BH-60 @ 1'	09/22/20	1 ft	Composite	Soil	0.00643	0.0131	0.00142	0.00342	0.02437	6.95	<25.3	194	194	66.5	260.5



#### **Confirmation Sampling**

#### Concentrations of Benzene, BTEX, Chlorides, and TPH in soil

#### Plains Pipeline, L.P.

# Artesia Gathering East Remediation

#### **Eddy County, New Mexico**

	SAMPLE INFORMATION					METHODS:	EPA SW 846-	8021B, 5030		METHOD: E 300		METHO	DS: EPA SW 846	5-8015M	
SAMPLE ID	SAMPLE DATE	SAMPLE DEPTH	SAMPLE METHOD	MATRIX	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL- BENZENE (mg/kg)	XYLENE (mg/kg)	Total BTEX (mg/kg)	CHLORIDES (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	GRO +DRO (mg/kg)	ORO (mg/kg)	TOTAL TPH (mg/kg)
BH-60 @ 4'	11/05/20	4 ft	Composite	Soil	-	-	-	-	-	-	<25.5	<25.5	<25.5	<25.5	<25.5
BH-61 @ 1'	09/22/20	1 ft	Composite	Soil	0.00834	0.0152	0.00144	0.00330	0.02828	3.97	<25.5	205	205	69.6	274.6
BH-61 @ 4'	11/06/20	4 ft	Composite	Soil	-	-	-	-	-	-	<25.5	135	135	80.6	215.6
BH-61 @ 4.5'	12/03/20	4.5 ft	Composite	Soil	-	-	-	-	-	-	<26.3	314	314	151	465
BH-62 @ 1'	09/22/20	1 ft	Composite	Soil	0.00590	0.00927	<0.00101	<0.00202	0.01517	6.35	<25.3	202	202	77.2	279.2
BH-62 @ 4'	11/06/20	4 ft	Composite	Soil	-	-	-	-	-	-	<25.5	225	225	141	366
BH-62 @ 4.5'	12/03/20	4.5 ft	Composite	Soil	-	-	-	-	-	-	<26.3	279	279	154	433
BH-63 @ 1'	09/22/20	1 ft	Composite	Soil	0.00528	0.00753	<0.00100	<0.00200	0.01281	3.66	<25.0	198	198	87.5	285.5
BH-63 @ 4'	11/06/20	4 ft	Composite	Soil	-	-	-	-	-	-	<25.5	73.7	73.7	25.7	99.4
BH-64 @ 1'	09/22/20	1 ft	Composite	Soil	0.00479	0.00966	0.00107	0.00216	0.01768	6.60	<25.3	134	134	57.6	191.6
BH-64 @ 4'	11/06/20	4 ft	Composite	Soil	-	-	-	-	-	-	<25.5	<25.5	<25.5	<25.5	<25.5
BH-65 @ 1'	09/22/20	1 ft	Composite	Soil	0.00697	0.00894	<0.00100	<0.00200	0.01591	7.49	<25.0	166	166	68.8	234.8
BH-65 @ 4'	11/06/20	4 ft	Composite	Soil	-	-	-	-	-	-	<25.8	48.9	48.9	<25.8	48.9
BH-66 @ 1'	09/22/20	1 ft	Composite	Soil	0.00455	0.00642	<0.00100	<0.00200	0.01097	5.81	<25.0	235	235	99.4	334.4
BH-66 @ 4'	11/06/20	4 ft	Composite	Soil	-	-	-	-	-	-	<25.3	<25.3	<25.3	<25.3	<25.3
BH-67 @ 1'	09/22/20	1 ft	Composite	Soil	0.00499	0.00791	<0.00100	<0.00200	0.0129	6.13	<25.0	248	248	104	352
BH-67 @ 4'	11/06/20	4 ft	Composite	Soil	-	-	-	-	-	-	<25.3	<25.3	<25.3	<25.3	<25.3
BH-68 @ 1'	09/22/20	1 ft	Composite	Soil	0.00447	0.00650	<0.00100	<0.00200	0.01097	2.52	<25.0	247	247	97.6	344.6
BH-68 @ 4'	11/05/20	4 ft	Composite	Soil	-	-	-	-	-	-	<25.8	31.6	31.6	<25.8	31.6
BH-69 @ 1'	09/22/20	1 ft	Composite	Soil	0.00645	0.0129	0.00135	0.00290	0.0236	8.79	<25.0	128	128	55.6	183.6
BH-69 @ 4'	11/06/20	4 ft	Composite	Soil	-	-	-	-	-	-	<25.3	255	255	150	405
BH-69 @ 4.5'	12/03/20	4.5 ft	Composite	Soil	-	-	-	-	-	-	<26.6	475	475	240	715
BH-70 @ 1'	09/22/20	1 ft	Composite	Soil	0.00394	0.00831	0.00107	0.00236	0.01568	2.95	<25.3	85.9	85.9	35.1	121
BH-70 @ 4'	11/06/20	4 ft	Composite	Soil	-	-	-	-	-	-	<25.3	<25.3	<25.3	<25.3	<25.3
BH-71 @ 1'	09/22/20	1 ft	Composite	Soil	0.00157	0.00667	0.00118	0.00282	0.01224	3.13	<25.3	<25.3	<25.3	<25.3	<25.3
BH-72 @ 1'	09/22/20	1 ft	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	7.71	<25.0	<25.0	<25.0	<25.0	<25.0
BH-73 @ 1'	09/22/20	1 ft	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	9.21	<25.0	44.0	44.0	<25.0	44.0
BH-74 @ 1'	09/22/20	1 ft	Composite	Soil	<0.00101	<0.00101	<0.00101	<0.00202	<0.00202	7.89	<25.3	<25.3	<25.3	<25.3	<25.3



#### **Confirmation Sampling**

#### Concentrations of Benzene, BTEX, Chlorides, and TPH in soil

#### Plains Pipeline, L.P.

## Artesia Gathering East Remediation

#### **Eddy County, New Mexico**

	SAMPLE INFORMATION					METHODS:	EPA SW 846-	8021B, 5030		METHOD: E 300		METHO	DS: EPA SW 846	-8015M	
SAMPLE ID	SAMPLE DATE	SAMPLE DEPTH	SAMPLE METHOD	MATRIX	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL- BENZENE (mg/kg)	XYLENE (mg/kg)	Total BTEX (mg/kg)	CHLORIDES (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	GRO +DRO (mg/kg)	ORO (mg/kg)	TOTAL TP (mg/kg)
BH-75 @ 1'	09/22/20	1 ft	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	7.63	<25.0	32.0	32.0	<25.0	32.0
BH-76 @ 1'	09/22/20	1 ft	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	7.96	<25.0	30.0	30.0	<25.0	30.0
BH-77 @ 1'	09/22/20	1 ft	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	7.24	<25.0	<25.0	<25.0	<25.0	<25.0
BH-78 @ 1'	09/22/20	1 ft	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	5.86	<25.0	27.6	27.6	<25.0	27.6
BH-79 @ 1'	09/22/20	1 ft	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	6.61	<25.0	<25.0	<25.0	<25.0	<25.0
BH-80 @ 1'	09/22/20	1 ft	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	5.16	<25.0	30.8	30.8	<25.0	30.8
BH-81 @ 2'	09/22/20	2 ft	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	8.61	<25.0	39.6	39.6	<25.0	39.6
BH-81 @ 4'	11/06/20	4 ft	Composite	Soil	-	-	-	-	-	-	<25.3	<25.3	<25.3	<25.3	<25.3
BH-82 @ 3'	11/05/20	3 ft	Composite	Soil	0.00317	0.00634	0.00783	0.00401	0.02135	74.2	<25.3	<25.3	<25.3	<25.3	<25.3
BH-83 @ 3'	11/05/20	3 ft	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	5.21	<25.3	<25.3	<25.3	<25.3	<25.3
BH-84 @ 3'	11/05/20	3 ft	Composite	Soil	<0.00100	<0.00100	0.00174	<0.00200	0.00174	4.16	<25.3	<25.3	<25.3	<25.3	<25.3
BH-85 @ 3'	11/05/20	3 ft	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	6.38	<25.3	<25.3	<25.3	<25.3	<25.3
BH-86 @ 4'	11/05/20	4 ft	Composite	Soil	0.00225	0.0245	0.00904	0.00301	0.0388	3.54	<25.3	235	235	106	341
BH-86 @ 4.5'	12/03/20	4.5 ft	Composite	Soil	-	-	-	-	-	-	<25.8	333	333	205	538
BH-87 @ 4'	11/05/20	4 ft	Composite	Soil	<0.00100	0.00405	0.00701	0.00286	0.01392	11.9	<25.3	<25.3	<25.3	<25.3	<25.3
BH-88 @ 4'	11/06/20	4 ft	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	8.69	<25.5	<25.5	<25.5	<25.5	<25.5
BH-89 @ 4'	11/06/20	4 ft	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	3.95	<25.3	181	181	91.2	272.2
BH-89 @ 4.5 ft	12/03/20	4.5 ft	Composite	Soil	-	-	-	-	-	-	<26.3	108	108	50.2	158.2
BH-90 @ 4'	11/06/20	4 ft	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	7.59	<25.5	291	291	142	433
BH-90 @ 4.5'	12/03/20	4.5 ft	Composite	Soil	-	-	-	-	-	-	<25.5	625	625	274	899
BH-91 @ 4'	11/06/20	4 ft	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	10.3	<25.3	<25.3	<25.3	<25.3	<25.3
BH-92 @ 4'	11/06/20	4 ft	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	16.0	<25.3	<25.3	<25.3	<25.3	<25.3
BH-93 @ 4'	11/06/20	4 ft	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	7.41	<25.3	<25.3	<25.3	<25.3	<25.3
East SW-1 @ 1.5'	09/08/20	1.5 ft	Composite	Soil	0.0219	0.0147	0.00291	<0.00200	0.03951	8.16	<25.0	<25.0	<25.0	<25.0	<25.0
East SW A1 @ 1.5'	09/22/20	1.5 ft	Composite	Soil	0.00179	0.00700	0.00119	0.00298	0.01296	4.29	<25.0	<25.0	<25.0	<25.0	<25.0
East SW B1 @ 1'	09/22/20	1 ft	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	7.07	<25.0	<25.0	<25.0	<25.0	<25.0
East SW B2 @ 6"	09/22/20	6 in	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	4.76	<25.0	<25.0	<25.0	<25.0	<25.0
East SW B @ 3.5'	11/06/20	3.5 ft	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	9.34	<25.3	208	208	89.1	297.1



#### **Confirmation Sampling**

#### Concentrations of Benzene, BTEX, Chlorides, and TPH in soil

#### Plains Pipeline, L.P.

# Artesia Gathering East Remediation

## **Eddy County, New Mexico**

	SAMPLE INFORMATION					METHODS:	EPA SW 846-	8021B, 5030		METHOD: E 300		METHO	DS: EPA SW 846	5-8015M	
SAMPLE ID	SAMPLE DATE	SAMPLE DEPTH	SAMPLE METHOD	MATRIX	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL- BENZENE (mg/kg)	XYLENE (mg/kg)	Total BTEX (mg/kg)	CHLORIDES (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	GRO +DRO (mg/kg)	ORO (mg/kg)	TOTAL TPI (mg/kg)
East SW 3 @ 3.5'	11/06/20	3.5 ft	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	7.37	<25.3	<25.3	<25.3	<25.3	<25.3
ESW B-2 @ 3.5'	12/03/20	3.5 ft	Composite	Soil	<0.00102	<0.00102	<0.00102	<0.00204	<0.00102	5.31	<25.5	<25.5	<25.5	<25.5	<25.5
East SW D @ 3.5'	11/06/20	3.5 ft	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	10.1	<25.3	<25.3	<25.3	<25.3	<25.3
North SW-1 @ 1.5'	09/08/20	1.5 ft	Composite	Soil	0.0119	0.00686	<0.00100	<0.00200	0.01876	2.13	<25.0	225	225	93.9	318.9
North SW A1 @ 1.5'	09/22/20	1.5 ft	Composite	Soil	0.00877	0.0146	0.00148	0.00322	0.02807	2.87	<25.0	238	238	80.7	318.7
North SW A2 @ 1.5'	09/22/20	1.5 ft	Composite	Soil	0.00637	0.00906	<0.00100	<0.00200	0.01543	4.61	<25.0	270	270	85.4	355.4
North SW B1 @ 1'	09/22/20	1 ft	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	3.41	<25.0	<25.0	<25.0	<25.0	<25.0
North SW B1A @ 2'	11/06/20	2 ft	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	2.68	<25.0	<25.0	<25.0	<25.0	<25.0
North SW B2 @ 6"	09/22/20	6 in	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	8.45	<25.0	<25.0	<25.0	<25.0	<25.0
North SW B2A @ 2'	11/06/20	2 ft	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	8.38	<25.3	<25.3	<25.3	<25.3	<25.3
North SW C @ 2'	11/06/20	2 ft	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	9.57	<25.3	48.1	48.1	<25.3	48.1
North Wall C @ 3.5'	11/06/20	3.5 ft	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	4.62	<25.5	205	205	117	322
NSW C-2 @ 3.5'	12/03/20	3.5 ft	Composite	Soil	<0.00102	<0.00102	<0.00102	<0.00204	<0.00102	20.3	<25.5	395	395	167	562
NSW C-2 @ 3.5'	02/26/21	3.5 ft	Composite	Soil	-	-	-	ı	-	i	<25.3	50	50	<25.3	50
South SW @ 6"	09/08/20	6 in	Composite	Soil	0.0172	0.0124	0.00273	<0.00202	0.03233	<1.01	<25.3	26.2	26.2	<25.3	26.2
South SW-2 @ 2'	09/08/20	2 ft	Composite	Soil	0.0739	0.0759	0.0310	0.01245	0.19325	1.53	<25.0	<25.0	<25.0	<25.0	<25.0
South SW-3 @ 3.5'	11/06/20	3.5 ft	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	7.37	<25.3	<25.3	<25.3	<25.3	<25.3
South SW A1 @ 1.5'	09/22/20	1.5 ft	Composite	Soil	0.00149	0.00727	0.00179	0.00471	0.01526	5.71	<25.3	<25.3	<25.3	<25.3	<25.3
South SW A2 @ 2'	09/22/20	2 ft	Composite	Soil	0.00290	0.0116	0.00172	0.00421	0.02043	8.82	<25.3	<25.3	<25.3	<25.3	<25.3
South SW B1 @ 1'	09/22/20	1 ft	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	9.39	<25.0	35.6	35.6	<25.0	35.6
South SW B2 @ 6"	09/22/20	6 in	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	11.6	<25.0	<25.0	<25.0	<25.0	<25.0
South SW B @ 3.5'	11/05/20	3.5 ft	Composite	Soil	<0.00100	0.0117	0.0179	0.0095	0.0391	4.18	<25.3	<25.3	<25.3	<25.3	<25.3
South SW C @ 2'	11/06/20	2 ft	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	19.0	<25.0	<25.0	<25.0	<25.0	<25.0
South SW C @ 3.5'	11/05/20	3.5 ft	Composite	Soil	<0.00100	0.00233	0.0078	0.00329	0.01342	4.85	<25.3	<25.3	<25.3	<25.3	<25.3
South SW D @ 3.5'	11/06/20	3.5 ft	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	4.06	<25.5	<25.5	<25.5	<25.5	<25.5
West SW @ 2'	11/06/20	2 ft	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	5.83	<25.3	<25.3	<25.3	<25.3	<25.3
West SW A1 @ 1.5'	09/22/20	1.5 ft	Composite	Soil	0.00878	0.0151	0.00157	0.00344	0.02889	3.74	<25.0	127	127	37.9	164.9
West SW A2 @ 1.5'	09/22/20	1.5 ft	Composite	Soil	0.00587	0.0113	0.00196	0.00591	0.02504	6.08	<25.0	187	187	45.8	232.8



#### **Confirmation Sampling**

#### Concentrations of Benzene, BTEX, Chlorides, and TPH in soil

Plains Pipeline, L.P.

# Artesia Gathering East Remediation Eddy County, New Mexico

#### SRS # Artesia Gathering East Historical

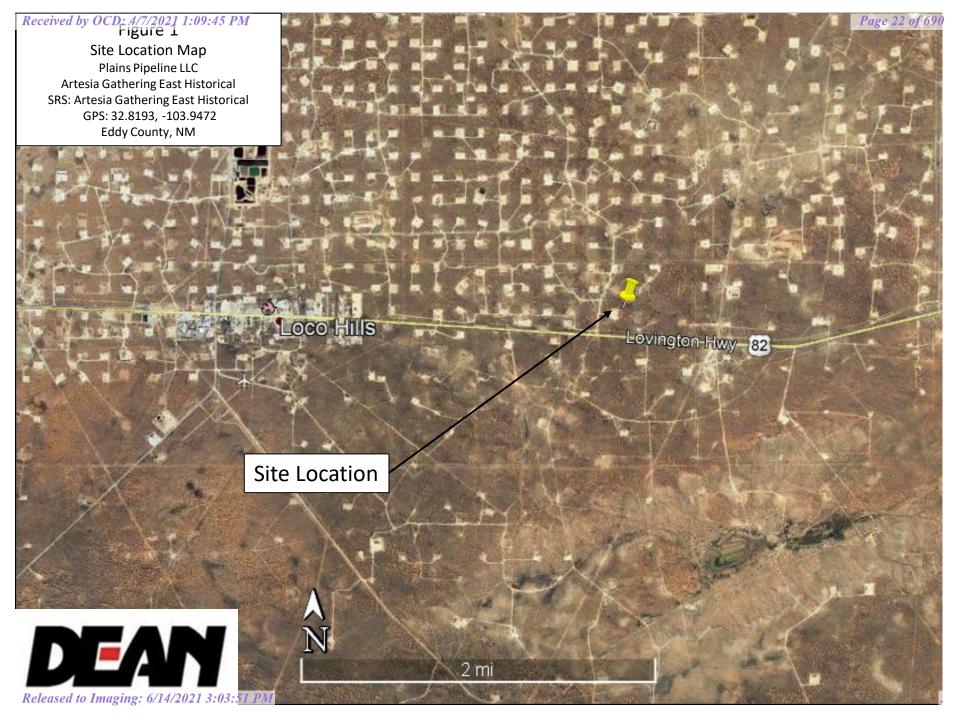
	SAMPLE INFORMATION					METHODS:	EPA SW 846-	8021B, 5030		METHOD: E 300		METHO	DS: EPA SW 846	5-8015M	
SAMPLE ID	SAMPLE DATE	SAMPLE DEPTH	SAMPLE METHOD	MATRIX	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL- BENZENE (mg/kg)	XYLENE (mg/kg)	Total BTEX (mg/kg)	CHLORIDES (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	GRO +DRO (mg/kg)	ORO (mg/kg)	TOTAL TPH (mg/kg)
West SW A3 @ 6"	09/22/20	6 in	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	3.37	<25.0	40.1	40.1	<25.0	40.1
West SW B1 @ 1'	09/22/20	1 ft	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	12.4	<25.0	44.2	44.2	<25.0	44.2
West SW B1A @ 1.5'	11/05/20	1.5 ft	Composite	Soil	0.0132	0.0346	0.0157	0.00737	0.07087	5.84	<25.0	<25.0	<25.0	<25.0	<25.0
West SW B2 @ 6"	09/22/20	6 in	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	6.57	<25.0	<25.0	<25.0	<25.0	<25.0
West SW B2A @ 2'	11/05/20	2 ft	Composite	Soil	<0.00100	<0.00100	0.00132	<0.00200	0.00132	8.25	<25.3	<25.3	<25.3	<25.3	<25.3
West SW C @ 2'	11/06/20	2 ft	Composite	Soil	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200	5.18	<25.3	<25.3	<25.3	<25.3	<25.3
West SW C @ 3.5'	11/05/20	3.5'	Composite	Soil	<0.00100	0.00836	0.0137	0.00738	0.02944	7.88	<25.3	<25.3	<25.3	<25.3	<25.3
SP-South	09/08/20	NA	Composite	Soil	0.0148	0.0433	0.0261	0.01477	0.09897	2.05	<25.3	708	708	377	1,085
SP-North	09/08/20	NA	Composite	Soil	0.0295	0.0173	0.00230	<0.00202	0.04910	3.15	<25.3	149	149	60.9	209.9
AOCD Reclamation Standards	s to 4' bgs				10	-	-	-	50	600	-	-	-	-	100
AOCD Recommended Remed	liation Action Level				10	-	-	=.	50	600	-	-	1,000	-	2,500

exceeds the NMOCD Reclamation Standards to 4' bgs exceeds the NMOCD RAL

exceeds the NMOCD RAL and Reclamation Standards

Soils removed from ground and transported offsite for disposal

# **FIGURES**

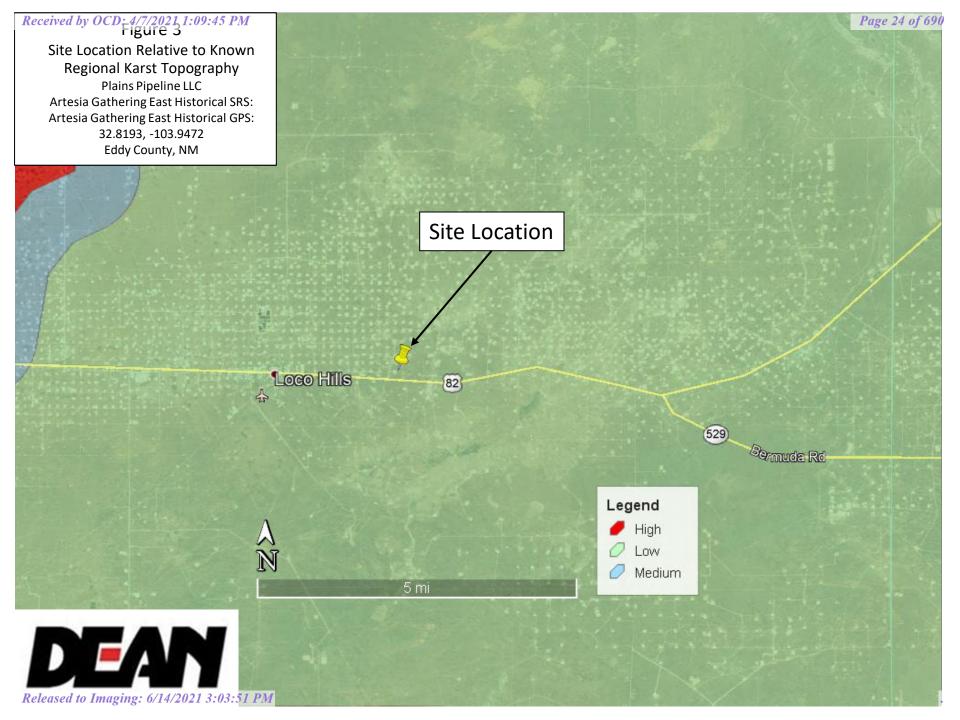


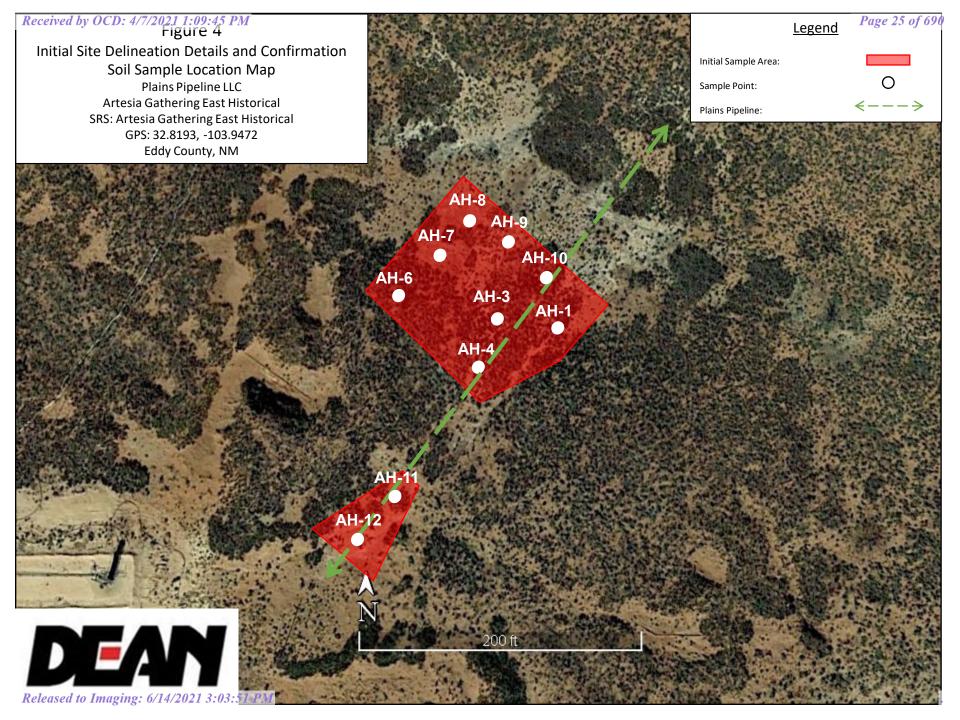
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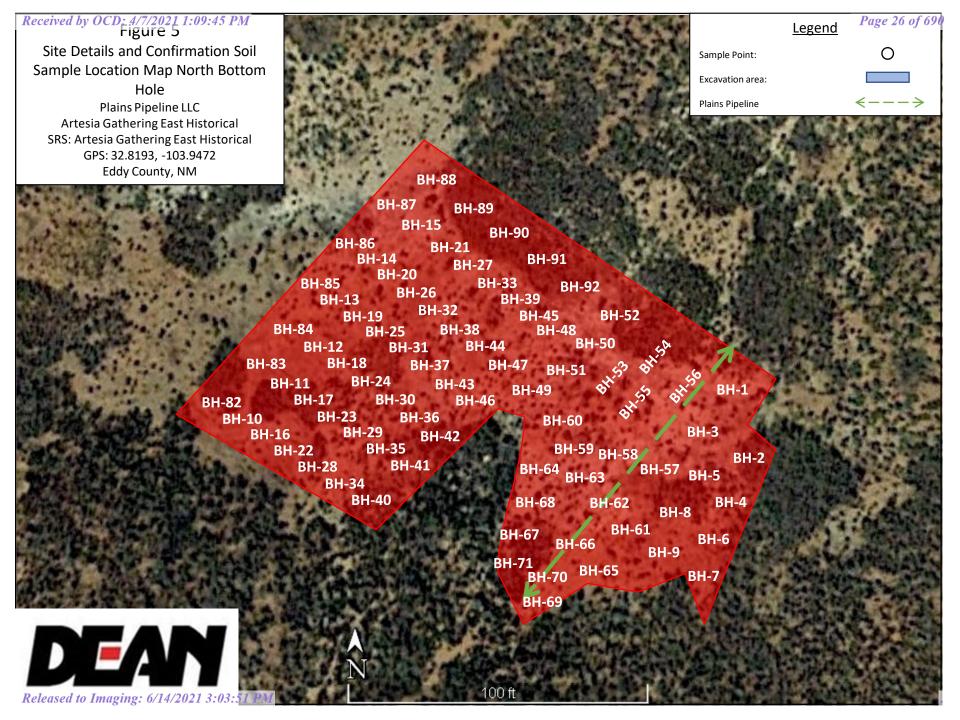


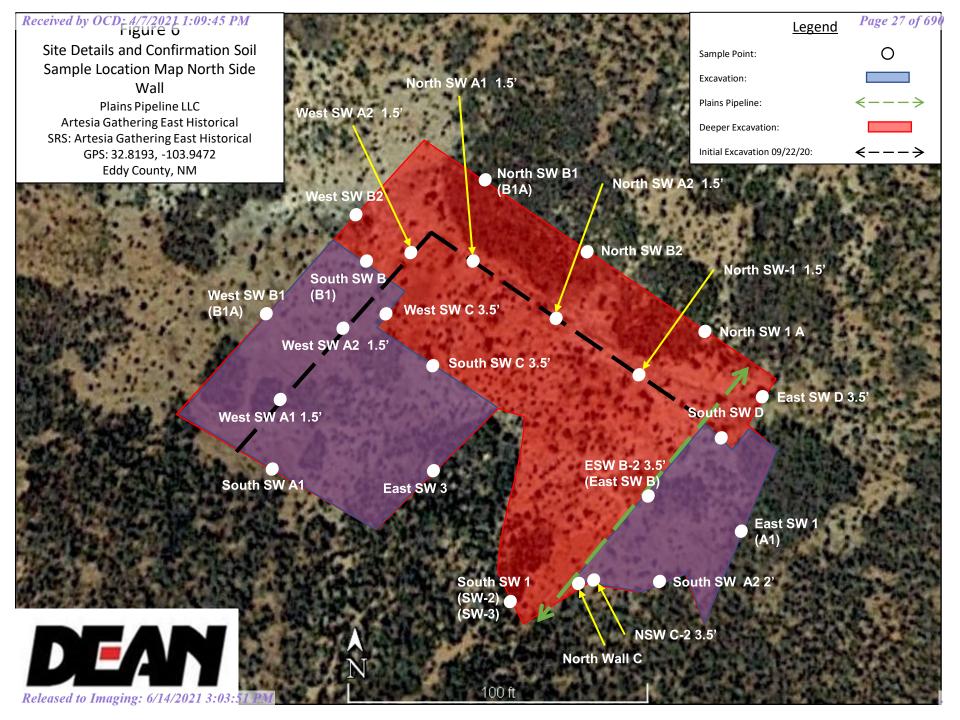
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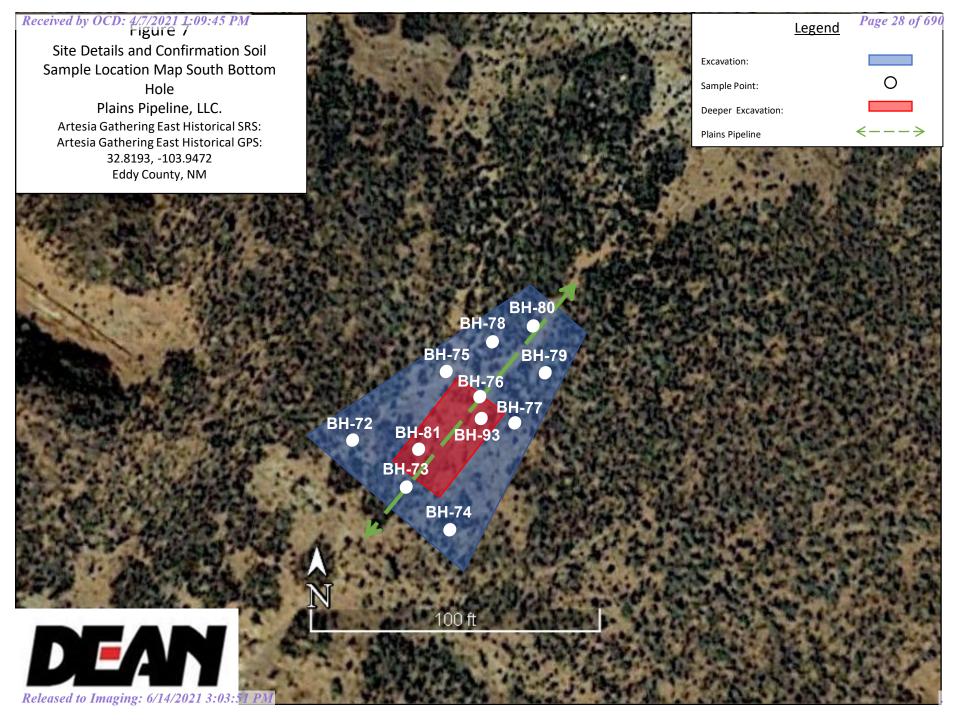
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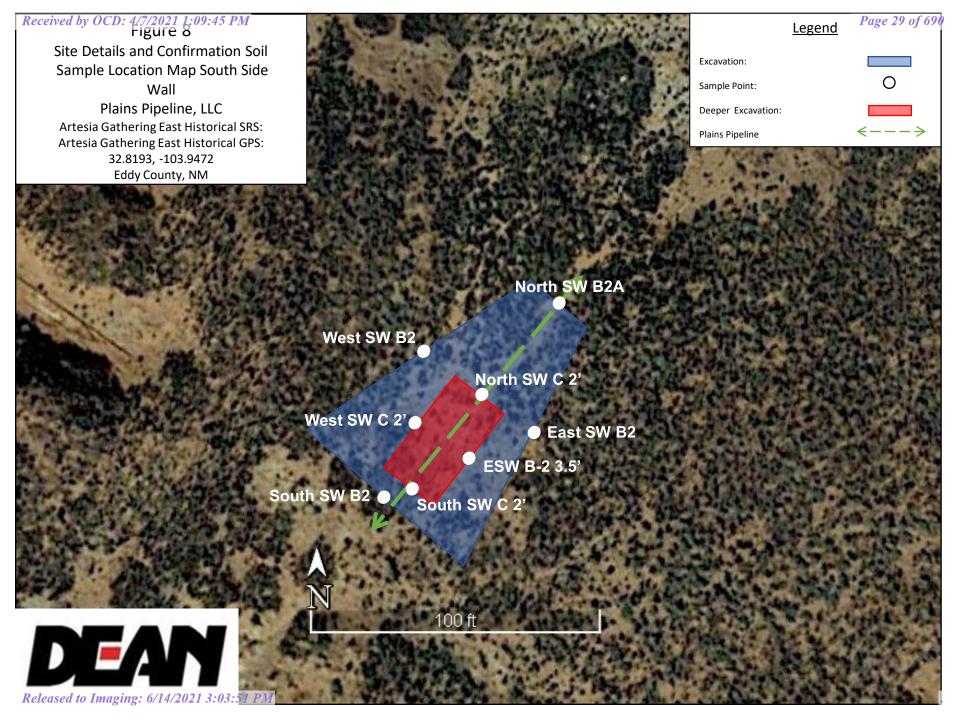












# APPENDIX A NMOCD C-141 FORMS

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

Responsible Party Plains Pipeline, L.P.

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	NRM2020631097
District RP	
Facility ID	
Application ID	

# **Release Notification**

# **Responsible Party**

OGRID 713291

Contact Name Amber Groves				Contact Telephone 575-200-5517				
Contact email algroves@paalp.com					Incident # (assigned by OCD)			
Contact mailing address 3112 W. US Hwy 82, Lovington, NM 88260								
			Location	of R	delease So	ource		
Latitude 32.8	3193		(NAD 83 in dec	cimal de	Longitude grees to 5 decim			
Site Name A	rtesia Gather	ring East Historica	1		Site Type I	Pipeline		
Date Release	Discovered	7/20/2020			API# (if app	licable)		
Unit Letter	Section	Township	Range		Coun	ty	]	
L	23	17S	30E		Eddy			
-	Nature and Volume of Release  Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)							
Crude Oi	1	Volume Released	d (bbls) Unknow	n		Volume Reco	vered (bbls) Unknown	
Produced	Water	Volume Released	d (bbls)			Volume Recovered (bbls)		
Is the concentration of dissolved chloric produced water >10,000 mg/l?			hloride	e in the	☐ Yes ☐ No			
Condensa	ate	Volume Released				Volume Recovered (bbls)		
Natural C	das	Volume Released	d (Mcf)			Volume Recovered (Mcf)		
Other (de	Other (describe) Volume/Weight Released (provide units			e units)	)	Volume/Weight Recovered (provide units)		
Cause of Rel Historical pip		e discovered during	g pipeline relinqu	ishmer	nt inspection.			

Received by OCD: 4/7/2021(1:09:45 PM) State of New Mexico
Page 2 Oil Conservation Division

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Incident ID	NRM2020631097
District RP	
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					
TOMES : I'					
If YES, was immediate no	otice 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 rele	ease 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	d above have <u>not</u> been undertaken, explain why:				
Per 19 15 29 8 B (4) NM	AC 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 at area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.				
regulations all operators are public health or the environr failed to adequately investig	rmation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and required to report and/or file certain release notifications and perform corrective actions for releases which may endanger nent. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have ate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In f a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws				
Printed Name: Amber	Groves Title: Remediation Coordinator				
Signature:	Date:				
email: <u>algroves@paalp.c</u>	<u>com</u> Telephone: <u>(575)200-5517</u>				
OCD Only					
Received by: Ramon	a Marcus Date:				

# APPENDIX B NMOSE WATER WELL DATA



# New Mexico Office of the State Engineer

# Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

**POD** Sub-

Code

closed)

Q Q Qbasin County 64 16 4 Sec Tws Rng 2 4 2 20 17S 30E

 $\mathbf{X}$ 594801 3632002 DepthWellDepthWater Column

Water

Average Depth to Water:

80 feet

Minimum Depth:

80 feet

Maximum Depth:

80 feet

Record Count: 1

**POD Number** 

RA 11914 POD1

PLSS Search:

Section(s): 20

Township: 17S

Range: 30E

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

7/15/20 10:27 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

# APPENDIX C LABORATORY ANALYTICAL REPORTS

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



# Analytical Report

## **Prepared for:**

Jeff Kindley
Dean
12600 W County Rd 91
Midland, TX 79707

Project: Plains Artesia Gathering East

Project Number: PP-2075 Location: Eddy County, NM

Lab Order Number: 0G09002



NELAP/TCEQ # T104704516-18-9

Report Date: 07/14/20

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Jeff Kindley

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
AH-1 @ 1'	0G09002-01	Soil	07/07/20 09:12	07-09-2020 10:07
AH-1 @ 2'	0G09002-02	Soil	07/07/20 09:14	07-09-2020 10:07
AH-1 @ 3'	0G09002-03	Soil	07/07/20 09:20	07-09-2020 10:07
AH-3 @ 1'	0G09002-04	Soil	07/07/20 09:36	07-09-2020 10:07
AH-3 @ 3'	0G09002-05	Soil	07/07/20 09:12	07-09-2020 10:07
AH-4 @ 1'	0G09002-06	Soil	07/07/20 09:50	07-09-2020 10:07
AH-4 @ 3'	0G09002-07	Soil	07/07/20 09:57	07-09-2020 10:07
AH-7 @ 1'	0G09002-08	Soil	07/07/20 11:04	07-09-2020 10:07
AH-7 @ 3'	0G09002-09	Soil	07/07/20 11:09	07-09-2020 10:07
AH-9 @ 1'	0G09002-10	Soil	07/07/20 11:24	07-09-2020 10:07
AH-9 @ 3'	0G09002-11	Soil	07/07/20 11:31	07-09-2020 10:07
AH-11 @ Surface	0G09002-12	Soil	07/07/20 12:30	07-09-2020 10:07
AH-11 @ 1'	0G09002-13	Soil	07/07/20 12:35	07-09-2020 10:07
AH-11 @ 3'	0G09002-14	Soil	07/07/20 12:45	07-09-2020 10:07
AH-12 @ 1'	0G09002-15	Soil	07/07/20 13:10	07-09-2020 10:07
AH-12 @ 3'	0G09002-16	Soil	07/07/20 13:15	07-09-2020 10:07

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

AH-1 @ 1' 0G09002-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin F	Environme	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Toluene	0.0144	0.00101	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Ethylbenzene	0.00276	0.00101	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Xylene (p/m)	0.00774	0.00202	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Xylene (o)	0.00123	0.00101	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		98.0 %	75-1	25	P0G0908	07/09/20	07/09/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		98.9 %	75-1	25	P0G0908	07/09/20	07/09/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	6.17	1.01	mg/kg dry	1	P0G0912	07/09/20	07/09/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0G1007	07/10/20	07/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
>C12-C28	889	25.3	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
>C28-C35	538	25.3	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		96.8 %	70-1	30	P0G0907	07/09/20	07/10/20	TPH 8015M	
Surrogate: o-Terphenyl		100 %	70-1	30	P0G0907	07/09/20	07/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	1430	25.3	mg/kg dry	1	[CALC]	07/09/20	07/10/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

AH-1 @ 2' 0G09002-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	nvironmen	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Toluene	0.00627	0.00102	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	75-12	25	P0G0908	07/09/20	07/09/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		98.1 %	75-12	25	P0G0908	07/09/20	07/09/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	5.11	1.02	mg/kg dry	1	P0G0912	07/09/20	07/09/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0G1007	07/10/20	07/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.5	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
>C12-C28	406	25.5	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
>C28-C35	233	25.5	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		96.0 %	70-1.	30	P0G0907	07/09/20	07/10/20	TPH 8015M	
Surrogate: o-Terphenyl		97.0 %	70-1.	30	P0G0907	07/09/20	07/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	639	25.5	mg/kg dry	1	[CALC]	07/09/20	07/10/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

AH-1 @ 3' 0G09002-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	nvironmen	tal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Toluene	0.0190	0.00102	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Ethylbenzene	0.00491	0.00102	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Xylene (p/m)	0.0138	0.00204	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Xylene (o)	0.00253	0.00102	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		96.6 %	75-1.	25	P0G0908	07/09/20	07/09/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	75-1.	25	P0G0908	07/09/20	07/09/20	EPA 8021B	
General Chemistry Parameters by E Chloride	EPA / Standard Method 12.4	1.02	mg/kg dry	1	P0G0912	07/09/20	07/09/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0G1007	07/10/20	07/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.5	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
>C12-C28	307	25.5	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
>C28-C35	165	25.5	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		102 %	70-1.	30	P0G0907	07/09/20	07/10/20	TPH 8015M	
Surrogate: o-Terphenyl		102 %	70-1.	30	P0G0907	07/09/20	07/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	472	25.5	mg/kg dry	1	[CALC]	07/09/20	07/10/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

AH-3 @ 1' 0G09002-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmer	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Toluene	0.00618	0.00103	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		92.5 %	75-1	25	P0G0908	07/09/20	07/09/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-1	25	P0G0908	07/09/20	07/09/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	7.28	1.03	mg/kg dry	1	P0G0912	07/09/20	07/09/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0G1007	07/10/20	07/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.8	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
>C12-C28	872	25.8	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
>C28-C35	583	25.8	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		97.9 %	70-1	30	P0G0907	07/09/20	07/10/20	TPH 8015M	
Surrogate: o-Terphenyl		101 %	70-1	30	P0G0907	07/09/20	07/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	1460	25.8	mg/kg dry	1	[CALC]	07/09/20	07/10/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

AH-3 @ 3' 0G09002-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin F	Environmen	tal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Toluene	0.00411	0.00103	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		84.9 %	75-1.	25	P0G0908	07/09/20	07/09/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		103 %	75-1.	25	P0G0908	07/09/20	07/09/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	5.20	1.03	mg/kg dry	1	P0G0912	07/09/20	07/09/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0G1007	07/10/20	07/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80	15M							
C6-C12	ND	25.8	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
>C12-C28	1130	25.8	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
>C28-C35	554	25.8	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		95.8 %	70-1.	30	P0G0907	07/09/20	07/10/20	TPH 8015M	
Surrogate: o-Terphenyl		98.2 %	70-1.	30	P0G0907	07/09/20	07/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	1690	25.8	mg/kg dry	1	[CALC]	07/09/20	07/10/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

AH-4 @ 1' 0G09002-06 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmen	tal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Toluene	0.00463	0.00100	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Ethylbenzene	0.00108	0.00100	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Xylene (p/m)	0.00360	0.00200	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		96.2 %	75-1.	25	P0G0908	07/09/20	07/09/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	75-1.	25	P0G0908	07/09/20	07/09/20	EPA 8021B	
<b>General Chemistry Parameters by I</b>	EPA / Standard Method	ls							
Chloride	7.17	1.00	mg/kg dry	1	P0G0912	07/09/20	07/09/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0G1007	07/10/20	07/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-	C35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
>C12-C28	30.1	25.0	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		107 %	70-1.	30	P0G0907	07/09/20	07/10/20	TPH 8015M	
Surrogate: o-Terphenyl		109 %	70-1.	30	P0G0907	07/09/20	07/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	30.1	25.0	mg/kg dry	1	[CALC]	07/09/20	07/10/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

AH-4 @ 3' 0G09002-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin F	Environme	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Toluene	0.00235	0.00103	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		95.5 %	75-1	25	P0G0908	07/09/20	07/09/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	75-1	25	P0G0908	07/09/20	07/09/20	EPA 8021B	
<b>General Chemistry Parameters by EPA</b>	/ Standard Method	ls							
Chloride	13.0	1.03	mg/kg dry	1	P0G0912	07/09/20	07/09/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0G1007	07/10/20	07/10/20	ASTM D2216	
<b>Total Petroleum Hydrocarbons C6-C35</b>	by EPA Method 80	15M							
C6-C12	ND	25.8	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		108 %	70-1	30	P0G0907	07/09/20	07/10/20	TPH 8015M	
Surrogate: o-Terphenyl		110 %	70-1	30	P0G0907	07/09/20	07/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	07/09/20	07/10/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

AH-7 @ 1' 0G09002-08 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmen	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00103	0.00102	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Toluene	0.00446	0.00102	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0G0908	07/09/20	07/09/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		80.9 %	75-1	25	P0G0908	07/09/20	07/09/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		92.5 %	75-1	25	P0G0908	07/09/20	07/09/20	EPA 8021B	
<b>General Chemistry Parameters by El</b>	PA / Standard Method	ls							
Chloride	4.50	1.02	mg/kg dry	1	P0G0912	07/09/20	07/09/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0G1007	07/10/20	07/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80	15M							
C6-C12	ND	25.5	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
>C12-C28	1740	25.5	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
>C28-C35	861	25.5	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		99.1 %	70-1	30	P0G0907	07/09/20	07/10/20	TPH 8015M	
Surrogate: o-Terphenyl		119 %	70-1	30	P0G0907	07/09/20	07/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	2600	25.5	mg/kg dry	1	[CALC]	07/09/20	07/10/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

AH-7 @ 3' 0G09002-09 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmer	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Toluene	0.00300	0.00102	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		91.5 %	75-1	25	P0G0909	07/09/20	07/10/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-1	25	P0G0909	07/09/20	07/10/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	s							
Chloride	8.97	1.02	mg/kg dry	1	P0G0912	07/09/20	07/09/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0G1007	07/10/20	07/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.5	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
>C12-C28	844	25.5	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
>C28-C35	451	25.5	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		98.8 %	70-1	30	P0G0907	07/09/20	07/10/20	TPH 8015M	
Surrogate: o-Terphenyl		102 %	70-1	30	P0G0907	07/09/20	07/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	1290	25.5	mg/kg dry	1	[CALC]	07/09/20	07/10/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

AH-9 @ 1' 0G09002-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environme	ntal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Toluene	0.00776	0.00102	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Xylene (p/m)	0.00251	0.00204	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		88.4 %	75-1	25	P0G0909	07/09/20	07/10/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		100 %	75-1	25	P0G0909	07/09/20	07/10/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	4.35	1.02	mg/kg dry	1	P0G0912	07/09/20	07/09/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0G1007	07/10/20	07/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80	15M							
C6-C12	ND	25.5	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
>C12-C28	1280	25.5	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
>C28-C35	610	25.5	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		96.6 %	70-1	30	P0G0907	07/09/20	07/10/20	TPH 8015M	
Surrogate: o-Terphenyl		109 %	70-1	30	P0G0907	07/09/20	07/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	1890	25.5	mg/kg dry	1	[CALC]	07/09/20	07/10/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

AH-9 @ 3' 0G09002-11 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmen	tal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Toluene	0.00417	0.00102	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-1.	25	P0G0909	07/09/20	07/10/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		76.9 %	75-1.	25	P0G0909	07/09/20	07/10/20	EPA 8021B	
<b>General Chemistry Parameters by E</b>	<b>CPA / Standard Method</b>	ls							
Chloride	11.3	1.02	mg/kg dry	1	P0G0912	07/09/20	07/09/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0G1007	07/10/20	07/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.5	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
>C12-C28	1380	25.5	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
>C28-C35	655	25.5	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		95.7 %	70-1.	30	P0G0907	07/09/20	07/10/20	TPH 8015M	
Surrogate: o-Terphenyl		98.2 %	70-1.	30	P0G0907	07/09/20	07/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	2040	25.5	mg/kg dry	1	[CALC]	07/09/20	07/10/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

AH-11 @ Surface 0G09002-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Marye	Result	Limit	Cints	Dilution	Baten	Trepared	7 mary zec	Wichiod	
	Pern	nian Basin E	Invironmen	ital Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Toluene	0.00239	0.00101	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	75-1	25	P0G0909	07/09/20	07/10/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		96.4 %	75-1	25	P0G0909	07/09/20	07/10/20	EPA 8021B	
General Chemistry Parameters by F	EPA / Standard Method	ls							
Chloride	9.94	1.01	mg/kg dry	1	P0G0912	07/09/20	07/09/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0G1007	07/10/20	07/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-0	C35 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
>C12-C28	43.6	25.3	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		107 %	70-1	30	P0G0907	07/09/20	07/10/20	TPH 8015M	
Surrogate: o-Terphenyl		109 %	70-1	30	P0G0907	07/09/20	07/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	43.6	25.3	mg/kg dry	1	[CALC]	07/09/20	07/10/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

AH-11 @ 1' 0G09002-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin F	Environmen	tal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Toluene	0.00511	0.00100	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.0 %	75-12	?5	P0G0909	07/09/20	07/10/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		99.2 %	75-12	?5	P0G0909	07/09/20	07/10/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	12.4	1.00	mg/kg dry	1	P0G0912	07/09/20	07/09/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0G1007	07/10/20	07/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
>C12-C28	129	25.0	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
>C28-C35	63.5	25.0	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		98.0 %	70-13	80	P0G0907	07/09/20	07/10/20	TPH 8015M	
Surrogate: o-Terphenyl		101 %	70-13	80	P0G0907	07/09/20	07/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	193	25.0	mg/kg dry	1	[CALC]	07/09/20	07/10/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

AH-11 @ 3' 0G09002-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmen	tal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Toluene	0.00410	0.00101	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Ethylbenzene	0.00103	0.00101	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Xylene (p/m)	0.00393	0.00202	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.9 %	75-1.	25	P0G0909	07/09/20	07/10/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		98.0 %	75-1.	25	P0G0909	07/09/20	07/10/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	9.79	1.01	mg/kg dry	1	P0G0912	07/09/20	07/10/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0G1007	07/10/20	07/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	235 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
>C12-C28	97.5	25.3	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
>C28-C35	41.5	25.3	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		98.8 %	70-1.	30	P0G0907	07/09/20	07/10/20	TPH 8015M	
Surrogate: o-Terphenyl		102 %	70-1.	30	P0G0907	07/09/20	07/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	139	25.3	mg/kg dry	1	[CALC]	07/09/20	07/10/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

AH-12 @ 1' 0G09002-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin F	Environmen	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Toluene	0.00487	0.00101	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Ethylbenzene	0.00102	0.00101	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Xylene (p/m)	0.00303	0.00202	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.9 %	75-1	25	P0G0909	07/09/20	07/10/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		98.1 %	75-1	25	P0G0909	07/09/20	07/10/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	10.0	1.01	mg/kg dry	1	P0G0912	07/09/20	07/10/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0G1007	07/10/20	07/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	235 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
>C12-C28	140	25.3	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
>C28-C35	56.6	25.3	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		91.7 %	70-1	30	P0G0907	07/09/20	07/10/20	TPH 8015M	
Surrogate: o-Terphenyl		96.5 %	70-1	30	P0G0907	07/09/20	07/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	196	25.3	mg/kg dry	1	[CALC]	07/09/20	07/10/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

AH-12 @ 3' 0G09002-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
	Perr	nian Basin E	nvironmen	tal Lab, I	P.				
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Toluene	0.00148	0.00103	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Xylene (p/m)	0.00225	0.00206	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0G0909	07/09/20	07/10/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.6 %	75-12	?5	P0G0909	07/09/20	07/10/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	75-12	?5	P0G0909	07/09/20	07/10/20	EPA 8021B	
General Chemistry Parameters by EPA	/ Standard Method	ls							
Chloride	8.79	1.03	mg/kg dry	1	P0G0912	07/09/20	07/10/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0G1007	07/10/20	07/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 80	15M							
C6-C12	ND	25.8	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0G0907	07/09/20	07/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		111 %	70-13	30	P0G0907	07/09/20	07/10/20	TPH 8015M	
Surrogate: o-Terphenyl		112 %	70-13	30	P0G0907	07/09/20	07/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	07/09/20	07/10/20	calc	

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

Fax:

# 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 P0G0908 - General Preparation (0	GC)									
Blank (P0G0908-BLK1)	,			Prepared &	Analyzed:	07/09/20				
Benzene	ND	0.00100	mg/kg wet	-	<u> </u>					
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		93.9	75-125			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	75-125			
LCS (P0G0908-BS1)				Prepared &	z Analyzed:	07/09/20				
Benzene	0.104	0.00100	mg/kg wet	0.100		104	70-130			
Toluene	0.0982	0.00100	"	0.100		98.2	70-130			
Ethylbenzene	0.101	0.00100	"	0.100		101	70-130			
Xylene (p/m)	0.215	0.00200	"	0.200		108	70-130			
Xylene (o)	0.104	0.00100	"	0.100		104	70-130			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.3	75-125			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		99.6	75-125			
LCS Dup (P0G0908-BSD1)				Prepared &	Analyzed:	07/09/20				
Benzene	0.110	0.00100	mg/kg wet	0.100		110	70-130	5.83	20	
Toluene	0.105	0.00100	"	0.100		105	70-130	6.65	20	
Ethylbenzene	0.104	0.00100	"	0.100		104	70-130	2.53	20	
Xylene (p/m)	0.228	0.00200	"	0.200		114	70-130	5.81	20	
Xylene (o)	0.112	0.00100	"	0.100		112	70-130	7.53	20	
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.6	75-125			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	75-125			
Calibration Blank (P0G0908-CCB1)				Prepared &	Analyzed:	07/09/20				
Benzene	0.00	<u> </u>	mg/kg wet		<u> </u>	·		<u> </u>		
Toluene	0.730		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.310		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.3	75-125			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	75-125			

Permian Basin Environmental Lab, L.P.

0.127

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

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# 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
		Limit	Omto	Level	resuit	, since	Liiiits	мь	Lillit	110103
Batch P0G0908 - General Preparation (C	GC)									
Calibration Blank (P0G0908-CCB2)				Prepared &	z Analyzed:	07/09/20				
Benzene	0.00		mg/kg wet							
Toluene	0.960		"							
Ethylbenzene	0.490		"							
Xylene (p/m)	1.23		"							
Xylene (o)	0.380		"							
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.3	75-125			
Surrogate: 4-Bromofluorobenzene	0.130		"	0.120		109	75-125			
Calibration Blank (P0G0908-CCB3)				Prepared &	Analyzed:	07/09/20				
Benzene	0.00		mg/kg wet							
Toluene	0.950		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.440		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		87.9	75-125			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.6	75-125			
Calibration Check (P0G0908-CCV1)				Prepared &	Analyzed:	07/09/20				
Benzene	0.103	0.00100	mg/kg wet	0.100		103	80-120			
Toluene	0.0930	0.00100	"	0.100		93.0	80-120			
Ethylbenzene	0.0963	0.00100	"	0.100		96.3	80-120			
Xylene (p/m)	0.198	0.00200	"	0.200		99.2	80-120			
Xylene (o)	0.0989	0.00100	"	0.100		98.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.6	75-125			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.7	75-125			
Calibration Check (P0G0908-CCV2)				Prepared &	Analyzed:	07/09/20				
Benzene	0.110	0.00100	mg/kg wet	0.100		110	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120			
Xylene (p/m)	0.213	0.00200	"	0.200		106	80-120			
Xylene (o)	0.115	0.00100	"	0.100		115	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	75-125			
G	0.127									

Permian Basin Environmental Lab, L.P.

Surrogate: 4-Bromofluorobenzene

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

75-125

0.120

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Jeff Kindley

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# 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 P0G0908 - General Preparation (GC)										
Calibration Check (P0G0908-CCV3)				Prepared &	& Analyzed:	07/09/20				
Benzene	0.110	0.00100	mg/kg wet	0.100		110	80-120			
Toluene	0.0996	0.00100	"	0.100		99.6	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.205	0.00200	"	0.200		102	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.1	75-125			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.0	75-125			
Matrix Spike (P0G0908-MS1)	Sou	rce: 0G08013	<b>3-01</b>	Prepared &	& Analyzed:	07/09/20				
Benzene	0.0782	0.00102	mg/kg dry	0.102	ND	76.6	80-120			QM-0
Toluene	0.0753	0.00102	"	0.102	ND	73.8	80-120			QM-0
Ethylbenzene	0.0958	0.00102	"	0.102	ND	93.9	80-120			
Xylene (p/m)	0.164	0.00204	"	0.204	0.00119	79.8	80-120			QM-0
Xylene (o)	0.0781	0.00102	"	0.102	0.000510	76.0	80-120			QM-0
Surrogate: 1,4-Difluorobenzene	0.121		"	0.122		98.8	75-125			
Surrogate: 4-Bromofluorobenzene	0.132		"	0.122		107	75-125			
Matrix Spike Dup (P0G0908-MSD1)	Sou	rce: 0G08013	<b>5-01</b>	Prepared &	& Analyzed:	07/09/20				
Benzene	0.0923	0.00102	mg/kg dry	0.102	ND	90.5	80-120	16.6	20	
Toluene	0.0836	0.00102	"	0.102	ND	82.0	80-120	10.4	20	
Ethylbenzene	0.105	0.00102	"	0.102	ND	103	80-120	9.31	20	
Xylene (p/m)	0.179	0.00204	"	0.204	0.00119	87.0	80-120	8.72	20	
Xylene (o)	0.0880	0.00102	"	0.102	0.000510	85.7	80-120	12.0	20	
Surrogate: 1,4-Difluorobenzene	0.122		"	0.122		99.6	75-125			
Surrogate: 4-Bromofluorobenzene	0.128		"	0.122		104	75-125			
Batch P0G0909 - General Preparation (GC)										
Blank (P0G0909-BLK1)				Prepared:	07/09/20 Ar	nalyzed: 07	/10/20			
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.1	75-125			
	0.113									

Permian Basin Environmental Lab, L.P.

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Jeff Kindley

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

A	D14	Reporting	T.T	Spike	Source	0/DEC	%REC	DDD	RPD	Nisa
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0G0909 - General Preparation (GC	)									
LCS (P0G0909-BS1)				Prepared &	: Analyzed:	07/09/20				
Benzene	0.0938	0.00100	mg/kg wet	0.100		93.8	70-130			
Toluene	0.0918	0.00100	"	0.100		91.8	70-130			
Ethylbenzene	0.0992	0.00100	"	0.100		99.2	70-130			
Xylene (p/m)	0.195	0.00200	"	0.200		97.4	70-130			
Xylene (o)	0.0942	0.00100	"	0.100		94.2	70-130			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.5	75-125			
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		98.8	75-125			
LCS Dup (P0G0909-BSD1)				Prepared &	: Analyzed:	07/09/20				
Benzene	0.104	0.00100	mg/kg wet	0.100		104	70-130	10.3	20	
Toluene	0.0968	0.00100	"	0.100		96.8	70-130	5.33	20	
Ethylbenzene	0.100	0.00100	"	0.100		100	70-130	1.15	20	
Xylene (p/m)	0.204	0.00200	"	0.200		102	70-130	4.74	20	
Xylene (o)	0.102	0.00100	"	0.100		102	70-130	8.03	20	
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.9	75-125			
Surrogate: 4-Bromofluorobenzene	0.118		"	0.120		98.3	75-125			
Calibration Blank (P0G0909-CCB1)				Prepared &	: Analyzed:	07/09/20				
Benzene	0.00		mg/kg wet							
Toluene	0.950		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.440		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.6	75-125			
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		87.9	75-125			
Calibration Blank (P0G0909-CCB2)				Prepared: 0	)7/09/20 Aı	nalyzed: 07	//10/20			
Benzene	0.00		mg/kg wet							
Toluene	0.490		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.400		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.103		"	0.120		86.0	75-125			
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		89.8	75-125			

Permian Basin Environmental Lab, L.P.

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

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# 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
Analyte	Result	LIIIII	Units	Level	Result	70KEC	Limits	KrD	Limit	Notes
Batch P0G0909 - General Preparation (GC)										
Calibration Check (P0G0909-CCV1)				Prepared &	Analyzed:	07/09/20				
Benzene	0.110	0.00100	mg/kg wet	0.100		110	80-120			
Toluene	0.0996	0.00100	"	0.100		99.6	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.205	0.00200	"	0.200		102	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.0	75-125			
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.1	75-125			
Calibration Check (P0G0909-CCV2)				Prepared: (	07/09/20 Ar	nalyzed: 07	/10/20			
Benzene	0.112	0.00100	mg/kg wet	0.100		112	80-120			
Toluene	0.100	0.00100	"	0.100		100	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120			
Xylene (p/m)	0.213	0.00200	"	0.200		106	80-120			
Xylene (o)	0.112	0.00100	"	0.100		112	80-120			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		103	75-125			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.7	75-125			
Matrix Spike (P0G0909-MS1)	Sou	rce: 0G09002	2-09	Prepared: (	07/09/20 Ar	nalyzed: 07	/10/20			
Benzene	0.0788	0.00102	mg/kg dry	0.102	ND	77.2	80-120			QM-0
Toluene	0.0534	0.00102	"	0.102	0.00300	49.4	80-120			QM-0
Ethylbenzene	0.0445	0.00102	"	0.102	ND	43.6	80-120			QM-0
Xylene (p/m)	0.0710	0.00204	"	0.204	ND	34.8	80-120			QM-0
Xylene (o)	0.0294	0.00102	"	0.102	ND	28.9	80-120			QM-0
Surrogate: 4-Bromofluorobenzene	0.116		"	0.122		94.9	75-125			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.122		101	75-125			
Matrix Spike Dup (P0G0909-MSD1)	Sou	rce: 0G09002	2-09	Prepared: (	07/09/20 Ar	nalyzed: 07	/10/20			
Benzene	0.0784	0.00102	mg/kg dry	0.102	ND	76.8	80-120	0.467	20	QM-0
Toluene	0.0497	0.00102	"	0.102	0.00300	45.8	80-120	7.46	20	QM-0
Ethylbenzene	0.0397	0.00102	"	0.102	ND	38.9	80-120	11.4	20	QM-0
Xylene (p/m)	0.0628	0.00204	"	0.204	ND	30.8	80-120	12.2	20	QM-0
Xylene (o)	0.0271	0.00102	"	0.102	ND	26.6	80-120	8.19	20	QM-0
Surrogate: 4-Bromofluorobenzene	0.110		"	0.122		89.6	75-125			
Surrogate: 1,4-Difluorobenzene	0.125		"	0.122		102	75-125			

Permian Basin Environmental Lab, L.P.

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0G0912 - *** DEFAULT PREP ***										
Blank (P0G0912-BLK1)				Prepared &	ն Analyzed:	07/09/20				
Chloride	ND	1.00	mg/kg wet							
LCS (P0G0912-BS1)				Prepared &	ն Analyzed:	07/09/20				
Chloride	402	1.00	mg/kg wet	400		101	80-120			
LCS Dup (P0G0912-BSD1)				Prepared &	k Analyzed:	07/09/20				
Chloride	401	1.00	mg/kg wet	400		100	80-120	0.476	20	
Calibration Check (P0G0912-CCV1)				Prepared &	ն Analyzed:	07/09/20				
Chloride	19.0		mg/kg	20.0		95.1	0-200			
Calibration Check (P0G0912-CCV2)				Prepared &	k Analyzed:	07/09/20				
Chloride	19.0		mg/kg	20.0		95.0	0-200			
Matrix Spike (P0G0912-MS1)	Sour	ce: 0G09002	2-01	Prepared &	ն Analyzed:	07/09/20				
Chloride	483	1.01	mg/kg dry	505	6.17	94.4	80-120			
Matrix Spike (P0G0912-MS2)	Sour	ce: 0G09002	2-11	Prepared &	k Analyzed:	07/09/20				
Chloride	495	1.02	mg/kg dry	510	11.3	94.8	80-120			
Matrix Spike Dup (P0G0912-MSD1)	Sour	ce: 0G09002	2-01	Prepared &	k Analyzed:	07/09/20				
Chloride	483	1.01	mg/kg dry	505	6.17	94.4	80-120	0.0146	20	
Matrix Spike Dup (P0G0912-MSD2)	Sour	ce: 0G09002	2-11	Prepared &	k Analyzed:	07/09/20				
Chloride	532	1.02	mg/kg dry	510	11.3	102	80-120	7.11	20	
Batch P0G1007 - *** DEFAULT PREP ***										
Blank (P0G1007-BLK1)				Prepared &	k Analyzed:	07/10/20				
% Moisture	ND	0.1	%							

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

Property and Service S

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0G1007 - *** DEFAULT PREP ***										
Blank (P0G1007-BLK2)				Prepared &	Analyzed:	07/10/20				
% Moisture	ND	0.1	%							
Blank (P0G1007-BLK3)				Prepared &	Analyzed:	07/10/20				
% Moisture	ND	0.1	%							
Blank (P0G1007-BLK4)				Prepared &	Analyzed:	07/10/20				
% Moisture	ND	0.1	%							
Duplicate (P0G1007-DUP1)	Sour	ce: 0G08026-	10	Prepared &	Analyzed:	07/10/20				
% Moisture	7.0	0.1	%		7.0			0.00	20	
Duplicate (P0G1007-DUP2)	Sour	ce: 0G08027-	08	Prepared &	Analyzed:	07/10/20				
% Moisture	4.0	0.1	%		4.0			0.00	20	
Duplicate (P0G1007-DUP3)	Sour	ce: 0G09002-	15	Prepared &	Analyzed:	07/10/20				
% Moisture	1.0	0.1	%	-	1.0		-	0.00	20	
Duplicate (P0G1007-DUP7)	Sour	ce: 0G09010-	08	Prepared &	: Analyzed:	07/10/20				
% Moisture	13.0	0.1	%		13.0			0.00	20	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

um Hydrocarbons C6-C35 by FPA Method 8015M - Quality Control

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0G0907 - TX 1005										
Blank (P0G0907-BLK1)				Prepared: (	)7/09/20 At	nalyzed: 07	//10/20			
C6-C12	ND	25.0	mg/kg wet	·		·			·	
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	96.0		"	100		96.0	70-130			
Surrogate: o-Terphenyl	46.8		"	50.0		93.5	70-130			
LCS (P0G0907-BS1)				Prepared: (	07/09/20 At	nalyzed: 07	//10/20			
C6-C12	897	25.0	mg/kg wet	1000		89.7	75-125			
>C12-C28	1040	25.0	"	1000		104	75-125			
Surrogate: 1-Chlorooctane	106		"	100		106	70-130			
Surrogate: o-Terphenyl	42.4		"	50.0		84.8	70-130			
LCS Dup (P0G0907-BSD1)				Prepared: (	07/09/20 Aı	nalyzed: 07	//10/20			
C6-C12	898	25.0	mg/kg wet	1000		89.8	75-125	0.0747	20	
>C12-C28	1040	25.0	"	1000		104	75-125	0.375	20	
Surrogate: 1-Chlorooctane	104		"	100		104	70-130			
Surrogate: o-Terphenyl	41.8		"	50.0		83.7	70-130			
Calibration Check (P0G0907-CCV1)				Prepared &	Analyzed:	07/09/20				
C6-C12	472	25.0	mg/kg wet	500		94.3	85-115			
>C12-C28	518	25.0	"	500		104	85-115			
Surrogate: 1-Chlorooctane	95.9		"	100		95.9	70-130			
Surrogate: o-Terphenyl	42.4		"	50.0		84.7	70-130			
Calibration Check (P0G0907-CCV3)				Prepared: (	07/09/20 Aı	nalyzed: 07	//10/20			
C6-C12	501	25.0	mg/kg wet	500		100	85-115			
>C12-C28	545	25.0	"	500		109	85-115			
Surrogate: 1-Chlorooctane	102		"	100		102	70-130			
Surrogate: o-Terphenyl										

Permian Basin Environmental Lab, L.P.

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0G0907 - TX 1005										
Matrix Spike (P0G0907-MS1)	Sourc	e: 0G09002	2-16	Prepared: (	07/09/20 A	nalyzed: 07	/10/20			
C6-C12	1060	25.8	mg/kg dry	1030	13.3	101	75-125			
>C12-C28	1230	25.8	"	1030	17.6	118	75-125			
Surrogate: 1-Chlorooctane	122		"	103		119	70-130			
Surrogate: o-Terphenyl	49.2		"	51.5		95.4	70-130			
Matrix Spike Dup (P0G0907-MSD1)	Sourc	e: 0G09002	2-16	Prepared: (	07/09/20 A	nalyzed: 07	/10/20			
C6-C12	1060	25.8	mg/kg dry	1030	13.3	102	75-125	0.606	20	
>C12-C28	1230	25.8	"	1030	17.6	118	75-125	0.0732	20	
Surrogate: 1-Chlorooctane	124		"	103		120	70-130			
Surrogate: o-Terphenyl	53.1		"	51.5		103	70-130			

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Jeff Kindley

#### **Notes and Definitions**

ROI Received on Ice

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

ecovery.

BULK Samples received in Bulk soil containers

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

	Drew	Devou C			
Report Approved By:			Date:	7/14/2020	

Brent Barron, Laboratory Director/Technical Director

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

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

Permian Basin Environmental Lab, L.P.

ORDER #: (lab use only)

06,09002

Sampler Signature:

Telephone No:

432-230-

City/State/Zip:

Billing

79707

Fax No:

Report Format:

Standard

☐ TRRP

NPDES

Project Loc:

PO #

e-mail:

石井 不言

Company Address:

12400

Company Name

Dean

Servi une WCR91

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LAB # (lab use only)

FIELD CODE

Beginning Depth

Ending Depth

Date Sampled

Time Sampled

Total #. of Containers

Field Filtered

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# CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP 10014 S. County Road 1213 Midland, Texas 79706

Project #:	Project Name:
PP-90	Plairs
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Artesia God	Plains	oject Name:
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# PERMIAN BASIN ENVIRONMENTAL LAB, LP 1400 Rankin Hwy Midland, TX 79701



# Analytical Report

### **Prepared for:**

Jeff Kindley
Dean
12600 W County Rd 91
Midland, TX 79707

Project: Plains Artesia Gathering East

Project Number: PP-2075 Location: Eddy County, NM

Lab Order Number: 0G09003



NELAP/TCEQ # T104704516-18-9

Report Date: 07/20/20

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Jeff Kindley

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
AH-6 @ 1'	0G09003-15	Soil	07/07/20 10:53	07-09-2020 10:07
AH-6 @ 2'	0G09003-16	Soil	07/07/20 10:54	07-09-2020 10:07
AH-6 @ 3'	0G09003-17	Soil	07/07/20 10:56	07-09-2020 10:07
AH-8 @ 1'	0G09003-21	Soil	07/07/20 11:14	07-09-2020 10:07
AH-8 @ 3'	0G09003-23	Soil	07/07/20 11:18	07-09-2020 10:07
AH-10 @ 1'	0G09003-27	Soil	07/07/20 11:40	07-09-2020 10:07
AH-10 @ 3'	0G09003-29	Soil	07/07/20 11:50	07-09-2020 10:07

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

AH-6 @ 1' 0G09003-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
						pared			110005
	Pern	iian Basin F	Environment	al Lab,	L.P.				
<b>General Chemistry Parameters by EPA / Sta</b>	ndard Method	S							
% Moisture	1.0	0.1	%	1	P0G1007	07/10/20	07/15/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by E	PA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0G1405	07/14/20	07/14/20	TPH 8015M	
>C12-C28	841	25.3	mg/kg dry	1	P0G1405	07/14/20	07/14/20	TPH 8015M	
>C28-C35	391	25.3	mg/kg dry	1	P0G1405	07/14/20	07/14/20	TPH 8015M	
Surrogate: 1-Chlorooctane		70.5 %	70-13	9	P0G1405	07/14/20	07/14/20	TPH 8015M	
Surrogate: o-Terphenyl		74.9 %	70-13	9	P0G1405	07/14/20	07/14/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	1230	25.3	mg/kg dry	1	[CALC]	07/14/20	07/14/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

AH-6 @ 2' 0G09003-16 (Soil)

Reporting

Analyte Result Limit Units Dilution Batch Prepared Analyzed Method Notes

Permian Basin Environmental Lab, L.P.

**General Chemistry Parameters by EPA / Standard Methods** 

**% Moisture** 1.0 0.1 % 1 P0G1007 07/10/20 07/15/20 ASTM D2216

Permian Basin Environmental Lab, L.P.

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

AH-6 @ 3' 0G09003-17 (Soil)

									1
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

### Permian Basin Environmental Lab, L.P.

<b>General Chemistry Parameters by EP</b>	A / Standard Methods	5						
% Moisture	3.0	0.1	%	1	P0G1007	07/10/20	07/15/20	ASTM D2216
<b>Total Petroleum Hydrocarbons C6-C3</b>	5 by EPA Method 801	5M						
C6-C12	ND	25.8	mg/kg dry	1	P0G1405	07/14/20	07/14/20	TPH 8015M
>C12-C28	707	25.8	mg/kg dry	1	P0G1405	07/14/20	07/14/20	TPH 8015M
>C28-C35	360	25.8	mg/kg dry	1	P0G1405	07/14/20	07/14/20	TPH 8015M
Surrogate: 1-Chlorooctane		76.8 %	70-130		P0G1405	07/14/20	07/14/20	TPH 8015M
Surrogate: o-Terphenyl		79.3 %	70-130		P0G1405	07/14/20	07/14/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	1070	25.8	mg/kg dry	1	[CALC]	07/14/20	07/14/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

AH-8 @ 1' 0G09003-21 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

### Permian Basin Environmental Lab, L.P.

<b>General Chemistry Parameters by EP</b>	A / Standard Method	s						
% Moisture	1.0	0.1	%	1	P0G1007	07/10/20	07/15/20	ASTM D2216
<b>Total Petroleum Hydrocarbons C6-C3</b>	5 by EPA Method 80	15M						
C6-C12	ND	25.3	mg/kg dry	1	P0G1405	07/14/20	07/17/20	TPH 8015M
>C12-C28	316	25.3	mg/kg dry	1	P0G1405	07/14/20	07/17/20	TPH 8015M
>C28-C35	204	25.3	mg/kg dry	1	P0G1405	07/14/20	07/17/20	TPH 8015M
Surrogate: 1-Chlorooctane		90.2 %	70-130		P0G1405	07/14/20	07/17/20	TPH 8015M
Surrogate: o-Terphenyl		99.6 %	70-130		P0G1405	07/14/20	07/17/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	520	25.3	mg/kg dry	1	[CALC]	07/14/20	07/17/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

AH-8 @ 3' 0G09003-23 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

### Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA		8						
% Moisture	2.0	0.1	%	1	P0G1007	07/10/20	07/15/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801	5M						
C6-C12	ND	25.5	mg/kg dry	1	P0G1405	07/14/20	07/14/20	TPH 8015M
>C12-C28	646	25.5	mg/kg dry	1	P0G1405	07/14/20	07/14/20	TPH 8015M
>C28-C35	258	25.5	mg/kg dry	1	P0G1405	07/14/20	07/14/20	TPH 8015M
Surrogate: 1-Chlorooctane		73.4 %	70-130		P0G1405	07/14/20	07/14/20	TPH 8015M
Surrogate: o-Terphenyl		75.5 %	70-130		P0G1405	07/14/20	07/14/20	TPH 8015M
Total Petroleum Hydrocarbon	904	25.5	mg/kg dry	1	[CALC]	07/14/20	07/14/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

AH-10 @ 1' 0G09003-27 (Soil)

		Reporting							- 1
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

#### Permian Basin Environmental Lab, L.P.

<b>General Chemistry Parameters by EP</b>	A / Standard Method	S						
% Moisture	1.0	0.1	%	1	P0G1007	07/10/20	07/15/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 80	15M						
C6-C12	ND	25.3	mg/kg dry	1	P0G1405	07/14/20	07/15/20	TPH 8015M
>C12-C28	1260	25.3	mg/kg dry	1	P0G1405	07/14/20	07/15/20	TPH 8015M
>C28-C35	611	25.3	mg/kg dry	1	P0G1405	07/14/20	07/15/20	TPH 8015M
Surrogate: 1-Chlorooctane		75.4 %	70-130		P0G1405	07/14/20	07/15/20	TPH 8015M
Surrogate: o-Terphenyl		83.8 %	70-130		P0G1405	07/14/20	07/15/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	1870	25.3	mg/kg dry	1	[CALC]	07/14/20	07/15/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

AH-10 @ 3' 0G09003-29 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

#### Permian Basin Environmental Lab, L.P.

<b>General Chemistry Parameters by EP</b>	A / Standard Methods	3						
% Moisture	2.0	0.1	%	1	P0G1007	07/10/20	07/15/20	ASTM D2216
<b>Total Petroleum Hydrocarbons C6-C3</b>	5 by EPA Method 801	5M						
C6-C12	ND	25.5	mg/kg dry	1	P0G1405	07/14/20	07/15/20	TPH 8015M
>C12-C28	536	25.5	mg/kg dry	1	P0G1405	07/14/20	07/15/20	TPH 8015M
>C28-C35	302	25.5	mg/kg dry	1	P0G1405	07/14/20	07/15/20	TPH 8015M
Surrogate: 1-Chlorooctane		112 %	70-130		P0G1405	07/14/20	07/15/20	TPH 8015M
Surrogate: o-Terphenyl		116 %	70-130		P0G1405	07/14/20	07/15/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	838	25.5	mg/kg dry	1	[CALC]	07/14/20	07/15/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

Fax:

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0G1007 - *** DEFAULT PREP ***										
Blank (P0G1007-BLK1)				Prepared &	. Analyzed:	07/10/20				
% Moisture	ND	0.1	%							
Blank (P0G1007-BLK2)				Prepared &	Analyzed:	07/10/20				
% Moisture	ND	0.1	%							
Blank (P0G1007-BLK3)				Prepared &	z Analyzed:	07/10/20				
% Moisture	ND	0.1	%							
Blank (P0G1007-BLK4)				Prepared &	z Analyzed:	07/10/20				
% Moisture	ND	0.1	%							
Duplicate (P0G1007-DUP1)	Sou	ce: 0G08026-	10	Prepared &	z Analyzed:	07/10/20				
% Moisture	7.0	0.1	%		7.0			0.00	20	
Duplicate (P0G1007-DUP2)	Sou	ce: 0G08027-	08	Prepared &	z Analyzed:	07/10/20				
% Moisture	4.0	0.1	%		4.0			0.00	20	
Duplicate (P0G1007-DUP3)	Sou	rce: 0G09002-	15	Prepared &	Analyzed:	07/10/20				
% Moisture	1.0	0.1	%		1.0			0.00	20	
Duplicate (P0G1007-DUP7)	Sou	rce: 0G09010-	08	Prepared &	Analyzed:	07/10/20				
% Moisture	13.0	0.1	%	<del>-</del>	13.0			0.00	20	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0G1405 - TX 1005										
Blank (P0G1405-BLK1)				Prepared &	k Analyzed:	07/14/20				
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	76.3		"	100		76.3	70-130			
Surrogate: o-Terphenyl	38.4		"	50.0		76.8	70-130			
LCS (P0G1405-BS1)				Prepared &	k Analyzed:	07/14/20				
C6-C12	954	25.0	mg/kg wet	1000		95.4	75-125			
>C12-C28	1120	25.0	"	1000		112	75-125			
Surrogate: 1-Chlorooctane	92.4		"	100		92.4	70-130			
Surrogate: o-Terphenyl	39.4		"	50.0		78.8	70-130			
LCS Dup (P0G1405-BSD1)				Prepared &	k Analyzed:	07/14/20				
C6-C12	944	25.0	mg/kg wet	1000		94.4	75-125	1.12	20	
>C12-C28	1110	25.0	"	1000		111	75-125	1.67	20	
Surrogate: 1-Chlorooctane	88.2		"	100		88.2	70-130			
Surrogate: o-Terphenyl	35.4		"	50.0		70.8	70-130			
Calibration Check (P0G1405-CCV1)				Prepared &	ե Analyzed:	07/14/20				
C6-C12	470	25.0	mg/kg wet	500		94.1	85-115			
>C12-C28	489	25.0	"	500		97.8	85-115			
Surrogate: 1-Chlorooctane	75.7		"	100		75.7	70-130			
Surrogate: o-Terphenyl	33.7		"	50.0		67.5	70-130			S-GC
Calibration Check (P0G1405-CCV2)				Prepared &	k Analyzed:	07/14/20				
C6-C12	437	25.0	mg/kg wet	500		87.4	85-115			
>C12-C28	452	25.0	"	500		90.3	85-115			
Surrogate: 1-Chlorooctane	70.5		"	100		70.5	70-130			
Surrogate: o-Terphenyl	29.9		"	50.0		59.8	70-130			S-GC

Permian Basin Environmental Lab, L.P.

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

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

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 P0G1405 - TX 1005										
Matrix Spike (P0G1405-MS1)	Sour	ce: 0G13003	3-25	Prepared &	Analyzed	: 07/14/20				
C6-C12	1010	28.7	mg/kg dry	1150	10.9	87.9	75-125			
>C12-C28	1150	28.7	"	1150	18.6	98.4	75-125			
Surrogate: 1-Chlorooctane	90.2		"	115		78.5	70-130			
Surrogate: o-Terphenyl	36.2		"	57.5		62.9	70-130			S-GC
Matrix Spike Dup (P0G1405-MSD1)	Sour	ce: 0G13003	3-25	Prepared &	Analyzed	: 07/14/20				
C6-C12	990	28.7	mg/kg dry	1150	10.9	86.2	75-125	2.02	20	
>C12-C28	1140	28.7	"	1150	18.6	97.2	75-125	1.22	20	
Surrogate: 1-Chlorooctane	90.0		"	115		78.3	70-130			
Surrogate: o-Terphenyl	36.4		"	57.5		63.3	70-130			S-GC

Dean Project: Plains Artesia Gathering East Fax:

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Jeff Kindley

#### **Notes and Definitions**

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

ROI Received on Ice

BULK Samples received in Bulk soil containers

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

	Drew	Davier (		
Report Approved By:			Date:	7/20/2020

P AR

Brent Barron, Laboratory Director/Technical Director

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

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

Permian Basin Environmental Lab, L.P.

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

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



### Analytical Report

### **Prepared for:**

Jeff Kindley
Dean
12600 W County Rd 91
Midland, TX 79707

Project: Plains Artesia Gathering East

Project Number: PP-2075 Location: Lea County, NM

Lab Order Number: 0I11001



NELAP/TCEQ # T104704516-17-8

Report Date: 09/21/20

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Jeff Kindley

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-3 @ 3'	0I11001-01	Soil	09/08/20 14:09	09-10-2020 16:59
BH-5 @ 3'	0I11001-02	Soil	09/08/20 14:11	09-10-2020 16:59
BH-4 @ 3'	0I11001-03	Soil	09/08/20 14:10	09-10-2020 16:59
BH-1 @ 3'	0I11001-04	Soil	09/08/20 14:07	09-10-2020 16:59
BH-7 @ 3'	0I11001-05	Soil	09/08/20 14:14	09-10-2020 16:59
BH-2 @ 3'	0I11001-06	Soil	09/08/20 14:08	09-10-2020 16:59
East SW-1 @ 1.5'	0I11001-07	Soil	09/08/20 13:30	09-10-2020 16:59
North SW-1 @ 1.5'	0I11001-08	Soil	09/08/20 13:40	09-10-2020 16:59
South SW @ 6"	0I11001-09	Soil	09/08/20 13:50	09-10-2020 16:59
South SW-2 @ 2'	0I11001-10	Soil	09/08/20 14:00	09-10-2020 16:59

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

BH-3 @ 3' 0I11001-01 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
	Pern	nian Basin I	Environme	ntal Lab, l	<b>P.</b>				
BTEX by 8021B									
Benzene	0.0450	0.00100	mg/kg dry	1	P0I1105	09/11/20	09/11/20	EPA 8021B	
Toluene	0.0360	0.00100	mg/kg dry	1	P0I1105	09/11/20	09/11/20	EPA 8021B	
Ethylbenzene	0.00854	0.00100	mg/kg dry	1	P0I1105	09/11/20	09/11/20	EPA 8021B	
Xylene (p/m)	0.00331	0.00200	mg/kg dry	1	P0I1105	09/11/20	09/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I1105	09/11/20	09/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		78.8 %	75-1	25	P011105	09/11/20	09/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		87.0 %	75-1	25	P0I1105	09/11/20	09/11/20	EPA 8021B	
General Chemistry Parameters by E	<b>EPA / Standard Method</b>	ls							
Chloride	3.75	1.00	mg/kg dry	1	P0I1607	09/16/20	09/18/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I1106	09/11/20	09/11/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
>C12-C28	71.0	25.0	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
>C28-C35	30.4	25.0	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
Surrogate: 1-Chlorooctane		113 %	70-1	30	P0I1103	09/11/20	09/11/20	TPH 8015M	
Surrogate: o-Terphenyl		125 %	70-1	30	P011103	09/11/20	09/11/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	101	25.0	mg/kg dry	1	[CALC]	09/11/20	09/11/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

BH-5 @ 3' 0I11001-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin F	Environme	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.0224	0.00100	mg/kg dry	1	P0I1105	09/11/20	09/11/20	EPA 8021B	
Toluene	0.0175	0.00100	mg/kg dry	1	P0I1105	09/11/20	09/11/20	EPA 8021B	
Ethylbenzene	0.00337	0.00100	mg/kg dry	1	P0I1105	09/11/20	09/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I1105	09/11/20	09/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I1105	09/11/20	09/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		75.3 %	75-1	25	P0I1105	09/11/20	09/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		88.9 %	75-1	25	P011105	09/11/20	09/11/20	EPA 8021B	
General Chemistry Parameters by I	EPA / Standard Method	ls							
Chloride	3.21	1.00	mg/kg dry	1	P0I1607	09/16/20	09/21/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I1106	09/11/20	09/11/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-0	C35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
>C12-C28	30.8	25.0	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
Surrogate: 1-Chlorooctane		117 %	70-1	30	P0I1103	09/11/20	09/11/20	TPH 8015M	
Surrogate: o-Terphenyl		138 %	70-1	30	P0I1103	09/11/20	09/11/20	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	30.8	25.0	mg/kg dry	1	[CALC]	09/11/20	09/11/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

BH-4 @ 3' 0I11001-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin E	Environmer	ıtal Lab, I	P.				
BTEX by 8021B									
Benzene	0.0185	0.00100	mg/kg dry	1	P0I1105	09/11/20	09/11/20	EPA 8021B	
Toluene	0.0167	0.00100	mg/kg dry	1	P0I1105	09/11/20	09/11/20	EPA 8021B	
Ethylbenzene	0.00295	0.00100	mg/kg dry	1	P0I1105	09/11/20	09/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I1105	09/11/20	09/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I1105	09/11/20	09/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		87.0 %	75-1	25	P011105	09/11/20	09/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		76.5 %	75-1	25	P011105	09/11/20	09/11/20	EPA 8021B	
General Chemistry Parameters by EPA	/ Standard Method	ds							
Chloride	1.80	1.00	mg/kg dry	1	P0I1607	09/16/20	09/18/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I1106	09/11/20	09/11/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 80	015M							
C6-C12	ND	25.0	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
Surrogate: 1-Chlorooctane		107 %	70-1	30	P0I1103	09/11/20	09/11/20	TPH 8015M	
Surrogate: o-Terphenyl		108 %	70-1	30	P011103	09/11/20	09/11/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/11/20	09/11/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

BH-1 @ 3' 0I11001-04 (Soil)

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Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmer	ıtal Lab, I	L.P.				
BTEX by 8021B									
Benzene	0.00389	0.00101	mg/kg dry	1	P0I1105	09/11/20	09/11/20	EPA 8021B	
Toluene	0.00206	0.00101	mg/kg dry	1	P0I1105	09/11/20	09/11/20	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P0I1105	09/11/20	09/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P0I1105	09/11/20	09/11/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I1105	09/11/20	09/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		88.3 %	75-1	25	P0I1105	09/11/20	09/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		76.7 %	75-1	25	P0I1105	09/11/20	09/11/20	EPA 8021B	
<b>General Chemistry Parameters by El</b>	PA / Standard Method	ls							
Chloride	1.15	1.01	mg/kg dry	1	P0I1607	09/16/20	09/18/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I1106	09/11/20	09/11/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
>C12-C28	232	25.3	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
>C28-C35	97.4	25.3	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
Surrogate: 1-Chlorooctane		116 %	70-1	30	P011103	09/11/20	09/11/20	TPH 8015M	
Surrogate: o-Terphenyl		133 %	70-1	30	P011103	09/11/20	09/11/20	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	330	25.3	mg/kg dry	1	[CALC]	09/11/20	09/11/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

BH-7 @ 3' 0I11001-05 (Soil)

	n 1	Reporting	TT 1:	D'1 - '	D. I	ъ.		M 4 1	<b>N</b> T /
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmen	ıtal Lab, I	P.				
BTEX by 8021B									
Benzene	0.0602	0.00100	mg/kg dry	1	P0I1105	09/11/20	09/11/20	EPA 8021B	
Toluene	0.0605	0.00100	mg/kg dry	1	P0I1105	09/11/20	09/11/20	EPA 8021B	
Ethylbenzene	0.0185	0.00100	mg/kg dry	1	P0I1105	09/11/20	09/11/20	EPA 8021B	
Xylene (p/m)	0.00577	0.00200	mg/kg dry	1	P0I1105	09/11/20	09/11/20	EPA 8021B	
Xylene (o)	0.00110	0.00100	mg/kg dry	1	P0I1105	09/11/20	09/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		74.5 %	75-1	25	P0I1105	09/11/20	09/11/20	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene		83.6 %	75-1	25	P0I1105	09/11/20	09/11/20	EPA 8021B	
General Chemistry Parameters by EPA	/ Standard Method	ls							
Chloride	1.03	1.00	mg/kg dry	1	P0I1607	09/16/20	09/21/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I1106	09/11/20	09/11/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
Surrogate: 1-Chlorooctane		118 %	70-1	30	P0I1103	09/11/20	09/11/20	TPH 8015M	
Surrogate: o-Terphenyl		132 %	70-1	30	P011103	09/11/20	09/11/20	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/11/20	09/11/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

BH-2 @ 3' 0I11001-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
,	Pern	nian Basin I	Environme	ntal Lab, I	L <b>.P.</b>	•			
BTEX by 8021B									
Benzene	0.00609	0.00101	mg/kg dry	1	P0I1105	09/11/20	09/11/20	EPA 8021B	
Toluene	0.00747	0.00101	mg/kg dry	1	P0I1105	09/11/20	09/11/20	EPA 8021B	
Ethylbenzene	0.00149	0.00101	mg/kg dry	1	P0I1105	09/11/20	09/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P0I1105	09/11/20	09/11/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I1105	09/11/20	09/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		75.1 %	75-1	25	P0I1105	09/11/20	09/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		87.2 %	75-1	25	P0I1105	09/11/20	09/11/20	EPA 8021B	
General Chemistry Parameters by EP	A / Standard Method	ls							
Chloride	ND	1.01	mg/kg dry	1	P0I1608	09/16/20	09/16/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I1106	09/11/20	09/11/20	ASTM D2216	
<b>Total Petroleum Hydrocarbons C6-C3</b>	5 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
Surrogate: 1-Chlorooctane		120 %	70-1	30	P011103	09/11/20	09/11/20	TPH 8015M	
Surrogate: o-Terphenyl		141 %	70-1	30	P011103	09/11/20	09/11/20	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	09/11/20	09/11/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

East SW-1 @ 1.5' 0I11001-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmen	tal Lab, I	P.				
BTEX by 8021B									
Benzene	0.0219	0.00100	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Toluene	0.0147	0.00100	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Ethylbenzene	0.00291	0.00100	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		76.6 %	75-12	25	P0I1105	09/11/20	09/12/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		88.8 %	75-12	25	P0I1105	09/11/20	09/12/20	EPA 8021B	
General Chemistry Parameters by EP	A / Standard Method	S							
Chloride	8.16	1.00	mg/kg dry	1	P0I1608	09/16/20	09/16/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I1106	09/11/20	09/11/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C3	35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
Surrogate: 1-Chlorooctane		108 %	70-1.	30	P0I1103	09/11/20	09/11/20	TPH 8015M	
Surrogate: o-Terphenyl		129 %	70-1.	30	P0I1103	09/11/20	09/11/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/11/20	09/11/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

North SW-1 @ 1.5' 0I11001-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin F	Environmen	tal Lab, l	<b></b>				
BTEX by 8021B									
Benzene	0.0119	0.00100	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Toluene	0.00686	0.00100	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		89.7 %	75-1.	25	P011105	09/11/20	09/12/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		68.4 %	75-1.	25	P0I1105	09/11/20	09/12/20	EPA 8021B	S-GC
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	2.13	1.00	mg/kg dry	1	P0I1608	09/16/20	09/16/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I1106	09/11/20	09/11/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
>C12-C28	225	25.0	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
>C28-C35	93.9	25.0	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
Surrogate: 1-Chlorooctane		118 %	70-1.	30	P011103	09/11/20	09/11/20	TPH 8015M	
Surrogate: o-Terphenyl		126 %	70-1.	30	P011103	09/11/20	09/11/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	319	25.0	mg/kg dry	1	[CALC]	09/11/20	09/11/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

South SW @ 6" 0I11001-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		nian Basin E							
BTEX by 8021B				,					
Benzene	0.0172	0.00101	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Toluene	0.0124	0.00101	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Ethylbenzene	0.00273	0.00101	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		87.9 %	75-1	25	P011105	09/11/20	09/12/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		80.3 %	75-1	25	P011105	09/11/20	09/12/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	ND	1.01	mg/kg dry	1	P0I1608	09/16/20	09/16/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I1106	09/11/20	09/11/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
>C12-C28	26.2	25.3	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
Surrogate: 1-Chlorooctane		118 %	70-1	30	P011103	09/11/20	09/11/20	TPH 8015M	
Surrogate: o-Terphenyl		135 %	70-1	30	P011103	09/11/20	09/11/20	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	26.2	25.3	mg/kg dry	1	[CALC]	09/11/20	09/11/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

South SW-2 @ 2' 0I11001-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Invironmer	ıtal Lab, I	P.				
BTEX by 8021B									
Benzene	0.0739	0.00100	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Toluene	0.0759	0.00100	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Ethylbenzene	0.0310	0.00100	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Xylene (p/m)	0.0101	0.00200	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Xylene (o)	0.00235	0.00100	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		75.1 %	75-1	25	P0I1105	09/11/20	09/12/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		85.3 %	75-1	25	P0I1105	09/11/20	09/12/20	EPA 8021B	
General Chemistry Parameters by EPA	/ Standard Method	ls							
Chloride	1.53	1.00	mg/kg dry	1	P0I1608	09/16/20	09/16/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I1106	09/11/20	09/11/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
Surrogate: 1-Chlorooctane		116 %	70-1	30	P011103	09/11/20	09/11/20	TPH 8015M	
Surrogate: o-Terphenyl		128 %	70-1	30	P0I1103	09/11/20	09/11/20	TPH 8015M	

Dean Project: Plains Artesia Gathering East

0.0927

0.0910

0.101

0.171

0.0952

0.0888

0.106

0.00100

0.00100

0.00100

0.00200

0.00100

mg/kg wet

0.100

0.100

0.100

0.200

0.100

0.120

0.120

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Jeff Kindley

Fax:

RPD

%REC

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

Spike

Source

Reporting

Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	
							HI D		Notes
			Prepared &	analyzed:	09/11/20				
ND	0.00100	mg/kg wet							
ND	0.00100	"							
ND	0.00100	"							
ND	0.00200	"							
ND	0.00100	"							
0.0904		"	0.120		75.4	75-125			
0.101		"	0.120		84.0	75-125			
			Prepared &	Analyzed:	09/11/20				
0.102	0.00100	mg/kg wet	0.100		102	70-130			
0.0953	0.00100	"	0.100		95.3	70-130			
0.0993	0.00100	"	0.100		99.3	70-130			
0.185	0.00200	"	0.200		92.6	70-130			
0.101	0.00100	"	0.100		101	70-130			
0.105		"	0.120		87.3	75-125			
0.0930		"	0.120		77.5	75-125			
			Prepared &	Analyzed:	09/11/20				
0.0905	0.00100	mg/kg wet	0.100		90.5	70-130	12.4	20	
0.0838	0.00100	"	0.100		83.8	70-130	12.8	20	
0.108	0.00100	"	0.100		108	70-130	8.24	20	
0.163	0.00200	"	0.200		81.3	70-130	13.0	20	
0.0881	0.00100	"	0.100		88.1	70-130	13.6	20	
0.104		"	0.120		86.6	75-125			
0.0899		"	0.120		74.9	75-125			S-G
			Prepared &	Analyzed:	09/11/20				
	ND ND ND ND 0.0904 0.101  0.102 0.0953 0.0993 0.185 0.101  0.105 0.0930  0.0905 0.0838 0.108 0.163 0.0881 0.104	ND 0.00100 ND 0.00100 ND 0.00200 ND 0.00100  0.0904 0.101  0.102 0.00100 0.0953 0.00100 0.185 0.00200 0.101 0.00100  0.105 0.0930  0.0905 0.00100 0.0838 0.00100 0.108 0.00100 0.163 0.00200 0.0881 0.00100	ND 0.00100 " ND 0.00100 " ND 0.00200 " ND 0.00100 "  0.0904 " 0.101 "  0.102 0.00100 mg/kg wet 0.0953 0.00100 " 0.185 0.00200 " 0.101 0.00100 "  0.105 " 0.0930 "  0.0930 "  0.0905 0.00100 mg/kg wet 0.0838 0.00100 " 0.108 0.00100 " 0.163 0.00200 " 0.108 0.00100 " 0.163 0.00200 " 0.104 "	ND 0.00100 mg/kg wet ND 0.00100 "	ND 0.00100 mg/kg wet ND 0.00100 " ND 0.00100 " ND 0.00200 " ND 0.00100 "  ND 0.00100 "  O.0904 " 0.120  Prepared & Analyzed:  0.102 0.00100 mg/kg wet 0.100 0.0953 0.00100 " 0.100 0.0993 0.00100 " 0.100 0.185 0.00200 " 0.200 0.101 0.00100 " 0.100  O.105 " 0.120  O.105 " 0.120  Prepared & Analyzed:  0.0930 " 0.120  Prepared & Analyzed:  0.0905 0.00100 mg/kg wet 0.100 0.108 0.00100 " 0.100 0.108 0.00100 " 0.100 0.108 0.00100 " 0.100 0.108 0.00100 " 0.100 0.108 0.00100 " 0.100 0.108 0.00100 " 0.100 0.108 0.00100 " 0.100 0.108 0.00100 " 0.100 0.108 0.00100 " 0.100 0.1099 " 0.120 0.0881 0.00100 " 0.120 0.0899 " 0.120	ND 0.00100 " ND 0.00100 " ND 0.00200 " ND 0.00100 "  0.0904 " 0.120 75.4 0.101 " 0.120 84.0  Prepared & Analyzed: 09/11/20  0.102 0.00100 mg/kg wet 0.100 102 0.0953 0.00100 " 0.100 95.3 0.0993 0.00100 " 0.100 99.3 0.185 0.00200 " 0.200 92.6 0.101 0.00100 " 0.100 101  0.105 " 0.120 87.3 0.0930 " 0.120 87.3 0.0930 " 0.120 77.5  Prepared & Analyzed: 09/11/20  0.0905 0.00100 mg/kg wet 0.100 90.5 0.0838 0.00100 " 0.100 83.8 0.108 0.00100 " 0.100 108 0.163 0.00200 " 0.200 81.3 0.0881 0.00100 " 0.100 88.1	ND 0.00100 mg/kg wet ND 0.00100 " ND 0.00100 " ND 0.00200 " ND 0.00100 "  ND 0.00100 "  O.0904 " 0.120 75.4 75-125  O.101 " 0.120 84.0 75-125  Prepared & Analyzed: 09/11/20  0.102 0.00100 mg/kg wet 0.100 102 70-130  0.0953 0.00100 " 0.100 95.3 70-130  0.0993 0.00100 " 0.100 99.3 70-130  0.185 0.00200 " 0.200 92.6 70-130  0.101 0.00100 " 0.100 101 70-130  0.105 " 0.120 87.3 75-125  0.0930 " 0.120 87.3 75-125  Prepared & Analyzed: 09/11/20  0.0905 0.00100 mg/kg wet 0.100 90.5 70-130  0.0838 0.00100 " 0.100 83.8 70-130  0.0838 0.00100 " 0.100 108 70-130  0.108 0.00100 " 0.100 108 70-130  0.108 0.00100 " 0.100 108 70-130  0.108 0.00100 " 0.200 88.1 70-130  0.0881 0.00100 " 0.100 88.1 70-130  0.0889 " 0.120 86.6 75-125  0.0899 " 0.120 86.6 75-125	ND 0.00100 mg/kg wet ND 0.00100 " ND 0.00100 " ND 0.00200 " ND 0.00200 " ND 0.00100 "  ND 0.00100 "  ND 0.00100 "  ND 0.00100 "  O.0904 " 0.120 84.0 75-125  Prepared & Analyzed: 09/11/20  0.102 0.00100 mg/kg wet 0.100 102 70-130 0.0953 0.00100 " 0.100 95.3 70-130 0.0993 0.00100 " 0.100 99.3 70-130 0.185 0.00200 " 0.200 92.6 70-130 0.101 0.00100 " 0.100 101 70-130  0.105 " 0.120 87.3 75-125  Prepared & Analyzed: 09/11/20  0.0930 " 0.120 87.3 75-125  Prepared & Analyzed: 09/11/20  0.0905 0.00100 mg/kg wet 0.100 90.5 70-130 12.4 0.0838 0.00100 " 0.100 83.8 70-130 12.8 0.108 0.00100 " 0.100 108 70-130 8.24 0.163 0.00200 " 0.200 81.3 70-130 13.0 0.0881 0.00100 " 0.100 88.1 70-130 13.6	ND 0.00100 mg/kg wet ND 0.00100 " ND 0.00100 " ND 0.00200 " ND 0.00100 "  0.0904 " 0.120 75.4 75-125  Prepared & Analyzed: 09/11/20  0.102 0.00100 mg/kg wet 0.100 102 70-130 0.0953 0.00100 " 0.100 95.3 70-130 0.0993 0.00100 " 0.100 99.3 70-130 0.185 0.00200 " 0.200 92.6 70-130 0.101 0.00100 " 0.100 101 70-130 0.105 " 0.120 87.3 75-125  Prepared & Analyzed: 09/11/20  0.0905 0.00100 mg/kg wet 0.100 101 70-130  0.0905 0.00100 mg/kg wet 0.100 90.5 70-130 12.4 20 0.0838 0.00100 " 0.100 83.8 70-130 12.8 20 0.108 0.00100 " 0.100 108 70-130 8.24 20 0.163 0.00200 " 0.200 81.3 70-130 13.0 20 0.0881 0.00100 " 0.100 88.1 70-130 13.6 20  0.0899 " 0.120 86.6 75-125

Permian Basin Environmental Lab, L.P.

Benzene

Toluene

Ethylbenzene

Xylene (p/m)

Surrogate: 4-Bromofluorobenzene

Surrogate: 1,4-Difluorobenzene

Xylene (o)

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

92.7

91.0

101

85.4

95.2

74.0

88.7

80-120

80-120

80-120

80-120

80-120

75-125

75-125

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I1105 - General Preparation (GC)										
Calibration Check (P0I1105-CCV2)				Prepared: (	09/11/20 An	nalyzed: 09	/12/20			
Benzene	0.0923	0.00100	mg/kg wet	0.100		92.3	80-120			
Toluene	0.0896	0.00100	"	0.100		89.6	80-120			
Ethylbenzene	0.0974	0.00100	"	0.100		97.4	80-120			
Xylene (p/m)	0.166	0.00200	"	0.200		83.0	80-120			
Xylene (o)	0.0952	0.00100	"	0.100		95.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.0928		"	0.120		77.3	75-125			
Surrogate: 1,4-Difluorobenzene	0.105		"	0.120		87.9	75-125			
Calibration Check (P0I1105-CCV3)				Prepared: (	09/11/20 An	nalyzed: 09	/12/20			
Benzene	0.0957	0.00100	mg/kg wet	0.100		95.7	80-120			
Toluene	0.0861	0.00100	"	0.100		86.1	80-120			
Ethylbenzene	0.0930	0.00100	"	0.100		93.0	80-120			
Xylene (p/m)	0.161	0.00200	"	0.200		80.6	80-120			
Xylene (o)	0.0923	0.00100	"	0.100		92.3	80-120			
Surrogate: 4-Bromofluorobenzene	0.0922		"	0.120		76.8	75-125			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.6	75-125			
Matrix Spike (P0I1105-MS1)	Sou	rce: 0I11001-	01	Prepared: (	09/11/20 An	nalyzed: 09	/12/20			
Benzene	0.105	0.00100	mg/kg dry	0.100	0.0450	60.0	80-120			QM-07
Toluene	0.0848	0.00100	"	0.100	0.0360	48.9	80-120			QM-07
Ethylbenzene	0.0661	0.00100	"	0.100	0.00854	57.5	80-120			QM-07
Xylene (p/m)	0.0939	0.00200	"	0.200	0.00331	45.3	80-120			QM-07
Xylene (o)	0.0441	0.00100	"	0.100	0.000820	43.3	80-120			QM-07
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		90.1	75-125			
Surrogate: 4-Bromofluorobenzene	0.0913		"	0.120		76.1	75-125			
Matrix Spike Dup (P0I1105-MSD1)	Sou	rce: 0I11001-	01	Prepared: (	09/11/20 An	nalyzed: 09	/12/20			
Benzene	0.101	0.00100	mg/kg dry	0.100	0.0450	55.6	80-120	7.63	20	QM-07
Toluene	0.0834	0.00100	"	0.100	0.0360	47.5	80-120	2.93	20	QM-07
Ethylbenzene	0.0658	0.00100	"	0.100	0.00854	57.3	80-120	0.488	20	QM-07
Xylene (p/m)	0.0940	0.00200	"	0.200	0.00331	45.3	80-120	0.0552	20	QM-07
Xylene (o)	0.0442	0.00100	"	0.100	0.000820	43.4	80-120	0.254	20	QM-07
G , , , , D , , G , 1	0.0898		"	0.120		74.9	75-125			S-GC
Surrogate: 4-Bromofluorobenzene	0.0070			0.120		/ 1.2	75-125			5-00

Permian Basin Environmental Lab, L.P.

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Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I1106 - *** DEFAULT PREP ***										
Blank (P0I1106-BLK1)				Prepared &	ն Analyzed:	09/11/20				
% Moisture	ND	0.1	%							
Blank (P0I1106-BLK2)				Prepared &	k Analyzed:	09/11/20				
% Moisture	ND	0.1	%							
Blank (P0I1106-BLK3)				Prepared &	k Analyzed:	09/11/20				
% Moisture	ND	0.1	%							
Duplicate (P0I1106-DUP1)	Sou	rce: 0I10001-1	0	Prepared &	k Analyzed:	09/11/20				
% Moisture	4.0	0.1	%		5.0			22.2	20	
Duplicate (P0I1106-DUP2)	Sou	rce: 0I10001-2	0	Prepared &	દે Analyzed:	09/11/20				
% Moisture	4.0	0.1	%		4.0			0.00	20	
Duplicate (P0I1106-DUP3)	Sou	rce: 0I10001-3	5	Prepared &	k Analyzed:	09/11/20				
% Moisture	10.0	0.1	%		11.0			9.52	20	
Duplicate (P0I1106-DUP4)	Sou	rce: 0I11001-0	8	Prepared &	k Analyzed:	09/11/20				
% Moisture	ND	0.1	%		ND				20	
Batch P0I1607 - *** DEFAULT PREP ***										
Blank (P0I1607-BLK1)				Prepared: (	09/16/20 A	nalyzed: 09	/18/20			
Chloride	ND	1.00	mg/kg wet			-				
LCS (P0I1607-BS1)				Prepared: (	09/16/20 A	nalyzed: 09	/18/20			
Chloride	423	1.00	mg/kg wet	400		106	80-120			

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

Fax:

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0I1607 - *** DEFAULT PREP ***										
LCS Dup (P0I1607-BSD1)				Prepared: (	09/16/20 A	nalyzed: 09	/18/20			
Chloride	416	1.00	mg/kg wet	400		104	80-120	1.72	20	
Calibration Blank (P0I1607-CCB1)				Prepared: (	09/16/20 A	nalyzed: 09	/18/20			
Chloride	0.00		mg/kg wet							
Calibration Blank (P0I1607-CCB2)				Prepared: (	09/16/20 A	nalyzed: 09	/18/20			
Chloride	0.00		mg/kg wet							
Calibration Check (P0I1607-CCV1)				Prepared: (	09/16/20 A	nalyzed: 09	/18/20			
Chloride	20.7		mg/kg	20.0		103	0-200			
Calibration Check (P0I1607-CCV2)				Prepared: (	09/16/20 A	nalyzed: 09	/18/20			
Chloride	20.4		mg/kg	20.0		102	0-200			
Calibration Check (P0I1607-CCV3)				Prepared: (	09/16/20 A	nalyzed: 09	/18/20			
Chloride	20.5		mg/kg	20.0		102	0-200			
Matrix Spike (P0I1607-MS1)	Sou	ce: 0109016-	-12	Prepared: (	09/16/20 A	nalyzed: 09	/18/20			
Chloride	1110	1.02	mg/kg dry	510	657	89.5	80-120			
Matrix Spike (P0I1607-MS2)	Sou	ce: 0109017-	-09	Prepared: (	09/16/20 A:	nalyzed: 09	/18/20			
Chloride	548	1.03	mg/kg dry	515	61.9	94.3	80-120			
Matrix Spike Dup (P0I1607-MSD1)	Sou	ce: 0109016-	-12	Prepared: (	09/16/20 A:	nalyzed: 09	/18/20			
Chloride	1120	1.02	mg/kg dry	510	657	91.3	80-120	0.834	20	
Matrix Spike Dup (P0I1607-MSD2)	Sou	ce: 0109017-	-09	Prepared: 09/16/20 Analyzed: 09/18/20						
Chloride	565	1.03	mg/kg dry	515	61.9	97.5	80-120	2.98	20	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I1608 - *** DEFAULT PREP ***										
Blank (P0I1608-BLK1)				Prepared &	Analyzed:	09/16/20				
Chloride	ND	1.00	mg/kg wet							
LCS (P0I1608-BS1)				Prepared &	Analyzed:	09/16/20				
Chloride	415	1.00	mg/kg wet	400		104	80-120			
LCS Dup (P0I1608-BSD1)				Prepared: (	09/16/20 A	nalyzed: 09	/18/20			
Chloride	416	1.00	mg/kg wet	400		104	80-120	0.308	20	
Calibration Blank (P0I1608-CCB1)				Prepared &	: Analyzed:	09/16/20				
Chloride	0.00		mg/kg wet							
Calibration Blank (P0I1608-CCB2)				Prepared &	Analyzed:	09/16/20				
Chloride	0.00		mg/kg wet							
Calibration Check (P0I1608-CCV1)				Prepared &	: Analyzed:	09/16/20				
Chloride	18.6		mg/kg	20.0		93.2	0-200			
Calibration Check (P0I1608-CCV2)				Prepared &	: Analyzed:	09/16/20				
Chloride	19.1		mg/kg	20.0		95.7	0-200			
Calibration Check (P0I1608-CCV3)				Prepared: (	09/16/20 A	nalyzed: 09	/17/20			
Chloride	18.9		mg/kg	20.0		94.3	0-200			
Matrix Spike (P0I1608-MS1)	Sou	rce: 0I16001	-01	Prepared &	: Analyzed:	09/16/20				
Chloride	511	1.05	mg/kg dry	526	8.48	95.5	80-120			
Matrix Spike (P0I1608-MS2)	Source: 0I11001-06 P				Prepared & Analyzed: 09/16/20					
Chloride	477	1.01	mg/kg dry	505	0.586	94.3	80-120			

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

Fax:

Analyte	Result	Reporting Limit Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0I1608 - *** DEFAULT PREP ***									
Matrix Spike Dup (P0I1608-MSD1)	Source	e: 0I16001-01	Prepared & Analyzed: 09/16/20						
Chloride	508	1.05 mg/kg dry	526	8.48	95.0	80-120	0.603	20	
Matrix Spike Dup (P0I1608-MSD2)	Sourc	e: 0I11001-06	Prepared &	z Analyzed:	09/16/20				
Chloride	477	1.01 mg/kg dry	505	0.586	94.3	80-120	0.0509	20	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

Fax:

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I1103 - TX 1005										
Blank (P0I1103-BLK1)				Prepared &	Analyzed:	09/11/20				
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	101		"	100		101	70-130			
Surrogate: o-Terphenyl	58.4		"	50.0		117	70-130			
LCS (P0I1103-BS1)				Prepared &	Analyzed:	09/11/20				
C6-C12	1030	25.0	mg/kg wet	1000		103	75-125			
>C12-C28	1140	25.0	"	1000		114	75-125			
Surrogate: 1-Chlorooctane	103		"	100		103	70-130			
Surrogate: o-Terphenyl	64.0		"	50.0		128	70-130			
LCS Dup (P0I1103-BSD1)				Prepared &	Analyzed:	09/11/20				
C6-C12	1030	25.0	mg/kg wet	1000		103	75-125	0.301	20	
>C12-C28	1140	25.0	"	1000		114	75-125	0.346	20	
Surrogate: 1-Chlorooctane	104		"	100		104	70-130			
Surrogate: o-Terphenyl	64.4		"	50.0		129	70-130			
Calibration Check (P0I1103-CCV1)				Prepared &	Analyzed:	09/11/20				
C6-C12	532	25.0	mg/kg wet	500		106	85-115			
>C12-C28	531	25.0	"	500		106	85-115			
Surrogate: 1-Chlorooctane	99.3		"	100		99.3	70-130			
Surrogate: o-Terphenyl	59.5		"	50.0		119	70-130			
Calibration Check (P0I1103-CCV2)				Prepared &	z Analyzed:	09/11/20				
C6-C12	497	25.0	mg/kg wet	500		99.4	85-115			
>C12-C28	568	25.0	"	500		114	85-115			
Surrogate: 1-Chlorooctane	115		"	100		115	70-130			
Surrogate: o-Terphenyl	58.9		"	50.0		118	70-130			

Permian Basin Environmental Lab, L.P.

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

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

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 P0I1103 - TX 1005										
Matrix Spike (P0I1103-MS1)	Sour	ce: 0I11003-	-04	Prepared &	& Analyzed:	09/11/20				
C6-C12	1170	27.8	mg/kg dry	1110	14.5	104	75-125			
>C12-C28	1330	27.8	"	1110	73.8	113	75-125			
Surrogate: 1-Chlorooctane	122		"	111		110	70-130			
Surrogate: o-Terphenyl	74.5		"	55.6		134	70-130			S-GC
Matrix Spike Dup (P0I1103-MSD1)	Sour	ce: 0I11003-	-04	Prepared &	& Analyzed:	09/11/20				
C6-C12	1090	27.8	mg/kg dry	1110	14.5	96.3	75-125	7.63	20	
>C12-C28	1290	27.8	"	1110	73.8	110	75-125	3.08	20	
Surrogate: 1-Chlorooctane	141		"	111		127	70-130			
Surrogate: o-Terphenyl	68.0		"	55.6		122	70-130			

Dean Project: Plains Artesia Gathering East Fax:

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Jeff Kindley

#### **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-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

BULK Samples received in Bulk soil containers

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

	Drew	Darlor			
Report Approved By:			Date:	9/21/2020	

Brent Barron, Laboratory Director/Technical Director

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

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

Permian Basin Environmental Lab, L.P.

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

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

Permian Basin Environmental Lab, L.P.

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

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



### Analytical Report

### **Prepared for:**

Jeff Kindley
Dean
12600 W County Rd 91
Midland, TX 79707

Project: Plains Artesia Gathering East

Project Number: PP-2075 Location: Lea County, NM

Lab Order Number: 0I11005



NELAP/TCEQ # T104704516-17-8

Report Date: 09/21/20

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Jeff Kindley

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-6 @ 3'	0I11005-01	Soil	09/08/20 10:48	09-11-2020 10:45
BH-8 @ 1'	0I11005-02	Soil	09/08/20 10:20	09-11-2020 10:45
BH-9 @ 1'	0I11005-03	Soil	09/08/20 13:00	09-11-2020 10:45

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

BH-6 @ 3' 0I11005-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin F	Environmer	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.0377	0.00101	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Toluene	0.0904	0.00101	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Ethylbenzene	0.0909	0.00101	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Xylene (p/m)	0.0458	0.00202	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Xylene (o)	0.0141	0.00101	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		73.5 %	75-1	25	P011105	09/11/20	09/12/20	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene		85.5 %	75-1	25	P0I1105	09/11/20	09/12/20	EPA 8021B	
<b>General Chemistry Parameters by EPA</b>	/ Standard Method	ds							
Chloride	1.18	1.01	mg/kg dry	1	P0I1608	09/16/20	09/16/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I1106	09/11/20	09/11/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 80	)15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
Surrogate: 1-Chlorooctane		114 %	70-1	30	P011103	09/11/20	09/11/20	TPH 8015M	
Surrogate: o-Terphenyl		132 %	70-1	30	P011103	09/11/20	09/11/20	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	09/11/20	09/11/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

BH-8 @ 1' 0I11005-02 (Soil)

	- ·	Reporting	**	D11 -1	D	ъ.		M. d. i	
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perm	nian Basin F	Environmen	ıtal Lab, I	<b>P.</b>				
BTEX by 8021B									
Benzene	0.0706	0.00101	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Toluene	0.132	0.00101	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Ethylbenzene	0.0922	0.00101	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Xylene (p/m)	0.0431	0.00202	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Xylene (o)	0.0127	0.00101	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		84.6 %	75-1	25	P011105	09/11/20	09/12/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		69.2 %	75-1	25	P011105	09/11/20	09/12/20	EPA 8021B	S-GC
General Chemistry Parameters by E	PA / Standard Method	s							
Chloride	3.41	1.01	mg/kg dry	1	P0I1608	09/16/20	09/16/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I1106	09/11/20	09/11/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
>C12-C28	47.5	25.3	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
Surrogate: 1-Chlorooctane		111 %	70-1	30	P011103	09/11/20	09/11/20	TPH 8015M	
Surrogate: o-Terphenyl		129 %	70-1	30	P0I1103	09/11/20	09/11/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	47.5	25.3	mg/kg dry	1	[CALC]	09/11/20	09/11/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

BH-9 @ 1' 0I11005-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
•	Pern	nian Basin E	Environmei	ıtal Lab, l	L <b>.P.</b>	•			
BTEX by 8021B									
Benzene	0.118	0.00101	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
<b>Foluene</b>	0.151	0.00101	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Ethylbenzene	0.0481	0.00101	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Xylene (p/m)	0.0176	0.00202	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Xylene (o)	0.00387	0.00101	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		73.4 %	75-1	25	P011105	09/11/20	09/12/20	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene		91.1 %	75-1	25	P0I1105	09/11/20	09/12/20	EPA 8021B	
General Chemistry Parameters by E Chloride	PA / Standard Method	1.01	mg/kg dry	1	P0I1608	09/16/20	09/17/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I1106	09/11/20	09/11/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I1103	09/11/20	09/14/20	TPH 8015M	
>C12-C28	207	25.3	mg/kg dry	1	P0I1103	09/11/20	09/14/20	TPH 8015M	
>C28-C35	111	25.3	mg/kg dry	1	P0I1103	09/11/20	09/14/20	TPH 8015M	
Surrogate: 1-Chlorooctane		133 %	70-1	30	P0I1103	09/11/20	09/14/20	TPH 8015M	S-GC
Surrogate: o-Terphenyl		160 %	70-1	30	P0I1103	09/11/20	09/14/20	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	319	25.3	mg/kg dry	1	[CALC]	09/11/20	09/14/20	calc	

0.0927

0.0910

0.101

0.171

0.0952

0.0888

0.106

0.00100

0.00100

0.00100

0.00200

0.00100

mg/kg wet

0.100

0.100

0.100

0.200

0.100

0.120

0.120

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

Fax:

RPD

%REC

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

Spike

Source

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I1105 - General Preparation (GC	2)									
Blank (P0I1105-BLK1)				Prepared &	Analyzed:	09/11/20				
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.101		"	0.120		84.0	75-125			
Surrogate: 4-Bromofluorobenzene	0.0904		"	0.120		75.4	75-125			
LCS (P0I1105-BS1)				Prepared &	analyzed:	09/11/20				
Benzene	0.102	0.00100	mg/kg wet	0.100		102	70-130			
Toluene	0.0953	0.00100	"	0.100		95.3	70-130			
Ethylbenzene	0.0993	0.00100	"	0.100		99.3	70-130			
Xylene (p/m)	0.185	0.00200	"	0.200		92.6	70-130			
Xylene (o)	0.101	0.00100	"	0.100		101	70-130			
Surrogate: 1,4-Difluorobenzene	0.105		"	0.120		87.3	75-125			
Surrogate: 4-Bromofluorobenzene	0.0930		"	0.120		77.5	75-125			
LCS Dup (P0I1105-BSD1)				Prepared &	Analyzed:	09/11/20				
Benzene	0.0905	0.00100	mg/kg wet	0.100		90.5	70-130	12.4	20	
Toluene	0.0838	0.00100	"	0.100		83.8	70-130	12.8	20	
Ethylbenzene	0.108	0.00100	"	0.100		108	70-130	8.24	20	
Xylene (p/m)	0.163	0.00200	"	0.200		81.3	70-130	13.0	20	
Xylene (o)	0.0881	0.00100	"	0.100		88.1	70-130	13.6	20	
Surrogate: 4-Bromofluorobenzene	0.0899		"	0.120		74.9	75-125			S-C
Surrogate: 1,4-Difluorobenzene	0.104		"	0.120		86.6	75-125			
Calibration Check (P0I1105-CCV1)				Prepared &	Analyzed:	09/11/20				

Permian Basin Environmental Lab, L.P.

Benzene

Toluene

Ethylbenzene

Xylene (p/m) Xylene (o)

 $Surrogate: \ 4-Bromofluor obenzene$ 

Surrogate: 1,4-Difluorobenzene

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92.7

91.0

101

85.4

95.2

74.0

88.7

80-120

80-120

80-120

80-120

80-120

75-125

75-125

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

Fax:

### 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 P0I1105 - General Preparation (GC)										
Calibration Check (P0I1105-CCV2)				Prepared:	09/11/20 An	alyzed: 09	/12/20			
Benzene	0.0923	0.00100	mg/kg wet	0.100		92.3	80-120			
Toluene	0.0896	0.00100	"	0.100		89.6	80-120			
Ethylbenzene	0.0974	0.00100	"	0.100		97.4	80-120			
Xylene (p/m)	0.166	0.00200	"	0.200		83.0	80-120			
Xylene (o)	0.0952	0.00100	"	0.100		95.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.0928		"	0.120		77.3	75-125			
Surrogate: 1,4-Difluorobenzene	0.105		"	0.120		87.9	75-125			
Calibration Check (P0I1105-CCV3)				Prepared:	09/11/20 An	alyzed: 09	/12/20			
Benzene	0.0957	0.00100	mg/kg wet	0.100		95.7	80-120			
Toluene	0.0861	0.00100	"	0.100		86.1	80-120			
Ethylbenzene	0.0930	0.00100	"	0.100		93.0	80-120			
Xylene (p/m)	0.161	0.00200	"	0.200		80.6	80-120			
Xylene (o)	0.0923	0.00100	"	0.100		92.3	80-120			
Surrogate: 4-Bromofluorobenzene	0.0922		"	0.120		76.8	75-125			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.6	75-125			
Matrix Spike (P0I1105-MS1)	Sou	ırce: 0I11001-	01	Prepared:	09/11/20 An	alyzed: 09	/12/20			
Benzene	0.105	0.00100	mg/kg dry	0.100	0.0450	60.0	80-120			QM-07
Toluene	0.0848	0.00100	"	0.100	0.0360	48.9	80-120			QM-07
Ethylbenzene	0.0661	0.00100	"	0.100	0.00854	57.5	80-120			QM-07
Xylene (p/m)	0.0939	0.00200	"	0.200	0.00331	45.3	80-120			QM-07
Xylene (o)	0.0441	0.00100	"	0.100	0.000820	43.3	80-120			QM-07
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		90.1	75-125			
Surrogate: 4-Bromofluorobenzene	0.0913		"	0.120		76.1	75-125			
Matrix Spike Dup (P0I1105-MSD1)	Sou	ırce: 0I11001-	01	Prepared:	09/11/20 An	alyzed: 09	/12/20			
Benzene	0.101	0.00100	mg/kg dry	0.100	0.0450	55.6	80-120	7.63	20	QM-07
Toluene	0.0834	0.00100	"	0.100	0.0360	47.5	80-120	2.93	20	QM-07
Ethylbenzene	0.0658	0.00100	"	0.100	0.00854	57.3	80-120	0.488	20	QM-07
Xylene (p/m)	0.0940	0.00200	"	0.200	0.00331	45.3	80-120	0.0552	20	QM-07
Xylene (o)	0.0442	0.00100	"	0.100	0.000820	43.4	80-120	0.254	20	QM-07
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		90.8	75-125			
Surrogate: 4-Bromofluorobenzene	0.0898		"	0.120		74.9	75-125			S-GC

Permian Basin Environmental Lab, L.P.

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12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

Fax:

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I1106 - *** DEFAULT PREP ***										
Blank (P0I1106-BLK1)				Prepared &	Analyzed:	: 09/11/20				
% Moisture	ND	0.1	%							
Blank (P0I1106-BLK2)				Prepared &	Analyzed:	09/11/20				
% Moisture	ND	0.1	%							
Blank (P0I1106-BLK3)				Prepared &	Analyzed:	: 09/11/20				
% Moisture	ND	0.1	%		-					
Duplicate (P0I1106-DUP1)	Sou	rce: 0I10001-1	10	Prepared &	Analyzed:	: 09/11/20				
% Moisture	4.0	0.1	%		5.0			22.2	20	
Duplicate (P0I1106-DUP2)	Sou	rce: 0I10001-2	20	Prepared &	Analyzed:	: 09/11/20				
% Moisture	4.0	0.1	%		4.0			0.00	20	
Duplicate (P0I1106-DUP3)	Sou	rce: 0I10001-3	35	Prepared &	Analyzed:	09/11/20				
% Moisture	10.0	0.1	%		11.0			9.52	20	
Duplicate (P0I1106-DUP4)	Sou	rce: 0I11001-(	08	Prepared &	Analyzed:	: 09/11/20				
% Moisture	ND	0.1	%		ND				20	
Batch P0I1608 - *** DEFAULT PREP ***										
Blank (P0I1608-BLK1)				Prepared &	Analyzed:	: 09/16/20				
Chloride	ND	1.00	mg/kg wet							
LCS (P0I1608-BS1)				Prepared &	z Analyzed:	: 09/16/20				
Chloride	415	1.00	mg/kg wet	400	-	104	80-120			

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

Fax:

Anglaro	Dagult	Reporting	I Inita	Spike	Source	0/DEC	%REC	DDD	RPD	Notes
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I1608 - *** DEFAULT PREP ***										
LCS Dup (P0I1608-BSD1)				Prepared: (	09/16/20 Aı	nalyzed: 09	/18/20			
Chloride	416	1.00	mg/kg wet	400		104	80-120	0.308	20	
Calibration Blank (P0I1608-CCB1)				Prepared &	Analyzed:	09/16/20				
Chloride	0.00		mg/kg wet							
Calibration Blank (P0I1608-CCB2)				Prepared &	Analyzed:	09/16/20				
Chloride	0.00	·	mg/kg wet	·	·	·		·	·	·
Calibration Check (P0I1608-CCV1)				Prepared &	Analyzed:	09/16/20				
Chloride	18.6		mg/kg	20.0		93.2	0-200			
Calibration Check (P0I1608-CCV2)				Prepared &	Analyzed:	09/16/20				
Chloride	19.1		mg/kg	20.0		95.7	0-200			
Calibration Check (P0I1608-CCV3)				Prepared: (	09/16/20 A1	nalyzed: 09	/17/20			
Chloride	18.9		mg/kg	20.0		94.3	0-200			
Matrix Spike (P0I1608-MS1)	Sour	ce: 0I16001-	-01	Prepared &	Analyzed:	09/16/20				
Chloride	511	1.05	mg/kg dry	526	8.48	95.5	80-120			
Matrix Spike (P0I1608-MS2)	Sour	ce: 0I11001-	-06	Prepared &	Analyzed:	09/16/20				
Chloride	477	1.01	mg/kg dry	505	0.586	94.3	80-120			
Matrix Spike Dup (P0I1608-MSD1)	Sour	ce: 0I16001-	-01	Prepared &	z Analyzed:	09/16/20				
Chloride	508	1.05	mg/kg dry	526	8.48	95.0	80-120	0.603	20	
Matrix Spike Dup (P0I1608-MSD2)	Sour	ce: 0I11001-	-06	Prepared &	Analyzed:	09/16/20				
Chloride	477	1.01	mg/kg dry	505	0.586	94.3	80-120	0.0509	20	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I1103 - TX 1005										
Blank (P0I1103-BLK1)				Prepared &	Analyzed:	09/11/20				
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	101		"	100		101	70-130			
Surrogate: o-Terphenyl	58.4		"	50.0		117	70-130			
LCS (P0I1103-BS1)				Prepared &	Analyzed:	09/11/20				
C6-C12	1030	25.0	mg/kg wet	1000		103	75-125			
>C12-C28	1140	25.0	"	1000		114	75-125			
Surrogate: 1-Chlorooctane	103		"	100		103	70-130			
Surrogate: o-Terphenyl	64.0		"	50.0		128	70-130			
LCS Dup (P0I1103-BSD1)				Prepared &	Analyzed:	09/11/20				
C6-C12	1030	25.0	mg/kg wet	1000		103	75-125	0.301	20	
>C12-C28	1140	25.0	"	1000		114	75-125	0.346	20	
Surrogate: 1-Chlorooctane	104		"	100		104	70-130			
Surrogate: o-Terphenyl	64.4		"	50.0		129	70-130			
Calibration Check (P0I1103-CCV1)				Prepared &	Analyzed:	09/11/20				
C6-C12	532	25.0	mg/kg wet	500	<u> </u>	106	85-115			
>C12-C28	531	25.0	"	500		106	85-115			
Surrogate: 1-Chlorooctane	99.3		"	100		99.3	70-130			
Surrogate: o-Terphenyl	59.5		"	50.0		119	70-130			
Calibration Check (P0I1103-CCV2)				Prepared &	Analyzed:	09/11/20				
C6-C12	497	25.0	mg/kg wet	500		99.4	85-115			
>C12-C28	568	25.0	"	500		114	85-115			
Surrogate: 1-Chlorooctane	115		"	100		115	70-130			
Surrogate: o-Terphenyl	58.9		"	50.0		118	70-130			

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

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 P0I1103 - TX 1005										
Matrix Spike (P0I1103-MS1)	Sour	ce: 0I11003	-04	Prepared &	k Analyzed:	: 09/11/20				
C6-C12	1170	27.8	mg/kg dry	1110	14.5	104	75-125			
>C12-C28	1330	27.8	"	1110	73.8	113	75-125			
Surrogate: 1-Chlorooctane	122		"	111		110	70-130			
Surrogate: o-Terphenyl	74.5		"	55.6		134	70-130			S-GC
Matrix Spike Dup (P0I1103-MSD1)	Sour	ce: 0I11003-	-04	Prepared &	k Analyzed:	: 09/11/20				
C6-C12	1090	27.8	mg/kg dry	1110	14.5	96.3	75-125	7.63	20	
>C12-C28	1290	27.8	"	1110	73.8	110	75-125	3.08	20	
Surrogate: 1-Chlorooctane	141		"	111		127	70-130			
Surrogate: o-Terphenyl	68.0		"	55.6		122	70-130			

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Jeff Kindley

#### **Notes and Definitions**

S-GC1 Surrogate recovery outside of control limits. A second analysis confirmed the original results..

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-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

BULK Samples received in Bulk soil containers

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

	Buron		
Report Approved By:		Date:	9/21/2020

Brent Barron, Laboratory Director/Technical Director

Permian Basin Environmental Lab, L.P.

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Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

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Permian Basin Environmental Lab, L.P.

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



### Analytical Report

#### **Prepared for:**

Sylwia Reynolds
Dean
12600 W County Rd 91
Midland, TX 79707

Project: Plains Artesia Gathering East

Project Number: PP-2075 Location: Eddy County, NM

Lab Order Number: 0I18002



NELAP/TCEQ # T104704516-17-8

Report Date: 09/28/20

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-18 @ 3'	0I18002-01	Soil	09/16/20 10:50	09-18-2020 08:35
BH-19 @ 3'	0I18002-02	Soil	09/16/20 10:55	09-18-2020 08:35
BH-20 @ 3'	0I18002-03	Soil	09/16/20 11:00	09-18-2020 08:35
BH-21 @ 3'	0I18002-04	Soil	09/16/20 11:05	09-18-2020 08:35
BH-15 @ 3'	0I18002-05	Soil	09/16/20 10:43	09-18-2020 08:35
BH-16 @ 3'	0I18002-06	Soil	09/16/20 10:45	09-18-2020 08:35
BH-17 @ 3'	0I18002-07	Soil	09/16/20 10:48	09-18-2020 08:35
BH-14 @ 3'	0I18002-08	Soil	09/16/20 10:40	09-18-2020 08:35
BH-10 @ 3'	0I18002-09	Soil	09/16/20 10:30	09-18-2020 08:35
BH-11 @ 3'	0I18002-10	Soil	09/16/20 10:33	09-18-2020 08:35
BH-12 @ 3'	0I18002-11	Soil	09/16/20 10:35	09-18-2020 08:35
BH-13 @ 3'	0I18002-12	Soil	09/16/20 10:37	09-18-2020 08:35

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-18 @ 3' 0I18002-01 (Soil)

Analyte	Reporting Result Limi	•	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Permian Basin	Environmer	ıtal Lab, I	л.Р.				
BTEX by 8021B								
Benzene 0.0	0.00101	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Toluene 0.	0.00101	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Ethylbenzene 0.0	0.00202	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Xylene (p/m)	ND 0.00404	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Xylene (o)	ND 0.00101	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	107 %	5 75-1	25	P0I1803	09/18/20	09/19/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	95.5 %	75-1	25	P0I1803	09/18/20	09/19/20	EPA 8021B	
General Chemistry Parameters by EPA / Standard	l Methods							
Chloride	<b>9.46</b> 1.01	mg/kg dry	1	P0I2302	09/23/20	09/23/20	EPA 300.0	
% Moisture	1.0 0.1	%	1	P0I2101	09/21/20	09/21/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA M	ethod 8015M							
C6-C12	ND 25.3	mg/kg dry	1	P0I1810	09/18/20	09/19/20	TPH 8015M	
>C12-C28	ND 25.3	mg/kg dry	1	P0I1810	09/18/20	09/19/20	TPH 8015M	
>C28-C35	ND 25.3	mg/kg dry	1	P0I1810	09/18/20	09/19/20	TPH 8015M	
Surrogate: 1-Chlorooctane	97.1 %	5 70-1	30	P0I1810	09/18/20	09/19/20	TPH 8015M	
Surrogate: o-Terphenyl	109 %	70-1	30	P0I1810	09/18/20	09/19/20	TPH 8015M	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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#### BH-19 @ 3' 0I18002-02 (Soil)

Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Pern	nian Basin F	Environme	ıtal Lab, I					
0.00458	0.00101	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
0.00878	0.00101	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
0.00365	0.00202	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
ND	0.00404	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
ND	0.00101	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
	95.5 %	75-1	25	P0I1803	09/18/20	09/19/20	EPA 8021B	
	102 %	75-1	25	P0I1803	09/18/20	09/19/20	EPA 8021B	
/ Standard Method	ls							
6.64	1.01	mg/kg dry	1	P0I2302	09/23/20	09/23/20	EPA 300.0	
1.0	0.1	%	1	P0I2101	09/21/20	09/21/20	ASTM D2216	
by EPA Method 80	15M							
ND	25.3	mg/kg dry	1	P0I1810	09/18/20	09/19/20	TPH 8015M	
ND	25.3	mg/kg dry	1	P0I1810	09/18/20	09/19/20	TPH 8015M	
ND	25.3	mg/kg dry	1	P0I1810	09/18/20	09/19/20	TPH 8015M	
	101 %	70-1	30	P0I1810	09/18/20	09/19/20	TPH 8015M	
	114 %	70-1	30	P0I1810	09/18/20	09/19/20	TPH 8015M	
ND	25.3	mg/kg dry	1	[CALC]	09/18/20	09/19/20	calc	
	0.00458 0.00878 0.00365 ND ND  ./ Standard Method 6.64 1.0 S by EPA Method 80 ND ND ND	Result   Limit	Result   Limit   Units	Result   Limit   Units   Dilution	Result   Limit   Units   Dilution   Batch	Result   Limit   Units   Dilution   Batch   Prepared	Result	Result

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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#### BH-20 @ 3' 0I18002-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmen	ıtal Lab, l	<b>P.</b>				
BTEX by 8021B									
Benzene	0.0212	0.00101	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Toluene	0.0209	0.00101	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Ethylbenzene	0.00766	0.00202	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Xylene (p/m)	ND	0.00404	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		98.3 %	75-1	25	P0I1803	09/18/20	09/19/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		99.1 %	75-1	25	P0I1803	09/18/20	09/19/20	EPA 8021B	
General Chemistry Parameters by F	CPA / Standard Method	ls							
Chloride	7.17	1.01	mg/kg dry	1	P0I2302	09/23/20	09/23/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2101	09/21/20	09/21/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-0	C35 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I1810	09/18/20	09/20/20	TPH 8015M	
>C12-C28	488	25.3	mg/kg dry	1	P0I1810	09/18/20	09/20/20	TPH 8015M	
>C28-C35	216	25.3	mg/kg dry	1	P0I1810	09/18/20	09/20/20	TPH 8015M	
Surrogate: 1-Chlorooctane		99.6 %	70-1	30	P0I1810	09/18/20	09/20/20	TPH 8015M	-
Surrogate: o-Terphenyl		112 %	70-1	30	P0I1810	09/18/20	09/20/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	704	25.3	mg/kg dry	1	[CALC]	09/18/20	09/20/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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#### BH-21 @ 3' 0I18002-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perr	nian Basin E	Environme	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.0161	0.00102	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Toluene	0.0194	0.00102	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Ethylbenzene	0.00718	0.00204	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Xylene (p/m)	ND	0.00408	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.1 %	75-1	25	P0I1803	09/18/20	09/19/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		93.6 %	75-1	25	P0I1803	09/18/20	09/19/20	EPA 8021B	
General Chemistry Parameters by E	CPA / Standard Method	ls							
Chloride	6.70	1.02	mg/kg dry	1	P0I2302	09/23/20	09/23/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0I2101	09/21/20	09/21/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.5	mg/kg dry	1	P0I1810	09/18/20	09/20/20	TPH 8015M	
>C12-C28	324	25.5	mg/kg dry	1	P0I1810	09/18/20	09/20/20	TPH 8015M	
>C28-C35	160	25.5	mg/kg dry	1	P0I1810	09/18/20	09/20/20	TPH 8015M	
Surrogate: 1-Chlorooctane		93.5 %	70-1	30	P0I1810	09/18/20	09/20/20	TPH 8015M	
Surrogate: o-Terphenyl		104 %	70-1	30	P0I1810	09/18/20	09/20/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	483	25.5	mg/kg dry	1	[CALC]	09/18/20	09/20/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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#### BH-15 @ 3' 0I18002-05 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin F	Environmen	tal Lab, l	L.P.				
BTEX by 8021B									
Benzene	0.0144	0.00100	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Toluene	0.0205	0.00100	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Ethylbenzene	0.00827	0.00200	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Xylene (p/m)	ND	0.00400	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		100 %	75-1.	25	P0I1803	09/18/20	09/19/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.1 %	75-1.	25	P0I1803	09/18/20	09/19/20	EPA 8021B	
General Chemistry Parameters by E	<b>EPA / Standard Method</b>	ls							
Chloride	6.35	1.00	mg/kg dry	1	P0I2302	09/23/20	09/23/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2101	09/21/20	09/21/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-0	C35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I1810	09/18/20	09/20/20	TPH 8015M	
>C12-C28	400	25.0	mg/kg dry	1	P0I1810	09/18/20	09/20/20	TPH 8015M	
>C28-C35	171	25.0	mg/kg dry	1	P0I1810	09/18/20	09/20/20	TPH 8015M	
Surrogate: 1-Chlorooctane		105 %	70-1.	30	P0I1810	09/18/20	09/20/20	TPH 8015M	
Surrogate: o-Terphenyl		118 %	70-1.	30	P0I1810	09/18/20	09/20/20	TPH 8015M	
Total Petroleum Hydrocarbon	571	25.0	mg/kg dry	1	[CALC]	09/18/20	09/20/20	calc	
C6-C35									

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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#### BH-16 @ 3' 0I18002-06 (Soil)

		D							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
-	_						<u> </u>		
	Perr	nian Basin F	Invironmer	ıtal Lab, I	∠.P.				
BTEX by 8021B									
Benzene	0.0193	0.00101	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Toluene	0.0377	0.00101	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Ethylbenzene	0.0217	0.00202	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Xylene (p/m)	0.00926	0.00404	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Xylene (o)	0.00197	0.00101	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		97.3 %	75-1	25	P0I1803	09/18/20	09/19/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		95.4 %	75-1	25	P0I1803	09/18/20	09/19/20	EPA 8021B	
General Chemistry Parameters by EPA	/ Standard Method	ls							
Chloride	9.90	1.01	mg/kg dry	1	P0I2302	09/23/20	09/23/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2101	09/21/20	09/21/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I1810	09/18/20	09/19/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0I1810	09/18/20	09/19/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0I1810	09/18/20	09/19/20	TPH 8015M	
Surrogate: 1-Chlorooctane		97.0 %	70-1	30	P0I1810	09/18/20	09/19/20	TPH 8015M	
Surrogate: o-Terphenyl		108 %	70-1	30	P0I1810	09/18/20	09/19/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	09/18/20	09/19/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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#### BH-17 @ 3' 0I18002-07 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Not
	n				ъ	_			
	Pern	nian Basin I	Invironmer	ıtal Lab, I	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.0237	0.00101	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Toluene	0.0352	0.00101	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Ethylbenzene	0.0138	0.00202	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Xylene (p/m)	0.00542	0.00404	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Xylene (o)	0.00103	0.00101	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		99.6 %	75-1	25	P0I1803	09/18/20	09/19/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		95.5 %	75-1	25	P0I1803	09/18/20	09/19/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	s							
Chloride	8.16	1.01	mg/kg dry	1	P0I2302	09/23/20	09/23/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2101	09/21/20	09/21/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	235 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I1810	09/18/20	09/20/20	TPH 8015M	
>C12-C28	157	25.3	mg/kg dry	1	P0I1810	09/18/20	09/20/20	TPH 8015M	
>C28-C35	72.7	25.3	mg/kg dry	1	P0I1810	09/18/20	09/20/20	TPH 8015M	
Surrogate: 1-Chlorooctane		98.1 %	70-1	30	P0I1810	09/18/20	09/20/20	TPH 8015M	
Surrogate: o-Terphenyl		112 %	70-1	30	P0I1810	09/18/20	09/20/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	230	25.3	mg/kg dry	1	[CALC]	09/18/20	09/20/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-14 @ 3' 0I18002-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Maryte	Result	Limit	Omts	Dilution	Batch	Trepared	7 mary zeu	Withou	110103
	Perm	ian Basin E	Environmer	ıtal Lab, I	<b>L.P.</b>				
BTEX by 8021B									
Benzene	0.0300	0.00101	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Toluene	0.0431	0.00101	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Ethylbenzene	0.0177	0.00202	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Xylene (p/m)	0.00658	0.00404	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Xylene (o)	0.00112	0.00101	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		96.8 %	75-1	25	P0I1803	09/18/20	09/19/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		94.0 %	75-1	25	P0I1803	09/18/20	09/19/20	EPA 8021B	
<b>General Chemistry Parameters by El</b>	PA / Standard Method	S							
Chloride	2.75	1.01	mg/kg dry	1	P0I2302	09/23/20	09/23/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2101	09/21/20	09/21/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 801	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I1810	09/18/20	09/20/20	TPH 8015M	
>C12-C28	780	25.3	mg/kg dry	1	P0I1810	09/18/20	09/20/20	TPH 8015M	
>C28-C35	331	25.3	mg/kg dry	1	P0I1810	09/18/20	09/20/20	TPH 8015M	
Surrogate: 1-Chlorooctane		103 %	70-1	30	P0I1810	09/18/20	09/20/20	TPH 8015M	
Surrogate: o-Terphenyl		113 %	70-1	30	P0I1810	09/18/20	09/20/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	1110	25.3	mg/kg dry	1	[CALC]	09/18/20	09/20/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

#### BH-10 @ 3' 0I18002-09 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmer	ıtal Lab, I	L.P.				
BTEX by 8021B									
Benzene	0.0131	0.00101	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Toluene	0.0424	0.00101	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Ethylbenzene	0.0277	0.00202	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Xylene (p/m)	0.0114	0.00404	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Xylene (o)	0.00223	0.00101	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		95.8 %	75-1	25	P0I1803	09/18/20	09/19/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	75-1	25	P0I1803	09/18/20	09/19/20	EPA 8021B	
General Chemistry Parameters by EPA	/ Standard Method	ls							
Chloride	4.78	1.01	mg/kg dry	1	P0I2302	09/23/20	09/23/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2101	09/21/20	09/21/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I1810	09/18/20	09/19/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0I1810	09/18/20	09/19/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0I1810	09/18/20	09/19/20	TPH 8015M	
Surrogate: 1-Chlorooctane		98.0 %	70-1	30	P0I1810	09/18/20	09/19/20	TPH 8015M	
Surrogate: o-Terphenyl		110 %	70-1	30	P0I1810	09/18/20	09/19/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	09/18/20	09/19/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-11 @ 3' 0I18002-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Analyte	Resuit	Limit	Units	Dilution	Datcii	ricpared	Analyzed	Menion	note
	Pern	nian Basin E	nvironmen	tal Lab, I	P.				
BTEX by 8021B									
Benzene	0.0194	0.00101	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Toluene	0.0303	0.00101	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Ethylbenzene	0.0134	0.00202	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Xylene (p/m)	0.00489	0.00404	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		96.5 %	75-1.	25	P0I1803	09/18/20	09/19/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		100 %	75-1.	25	P0I1803	09/18/20	09/19/20	EPA 8021B	
General Chemistry Parameters by E	'PA / Standard Method	's							
Chloride	3.89	1.01	mg/kg dry	1	P0I2302	09/23/20	09/23/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2101	09/21/20	09/21/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I1810	09/18/20	09/19/20	TPH 8015M	
>C12-C28	40.4	25.3	mg/kg dry	1	P0I1810	09/18/20	09/19/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0I1810	09/18/20	09/19/20	TPH 8015M	
Surrogate: 1-Chlorooctane		82.2 %	70-1.	30	P0I1810	09/18/20	09/19/20	TPH 8015M	
Surrogate: o-Terphenyl		98.8 %	70-1.	30	P0I1810	09/18/20	09/19/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	40.4	25.3	mg/kg dry	1	[CALC]	09/18/20	09/19/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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#### BH-12 @ 3' 0I18002-11 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin I	Environmer	ıtal Lab, I	P.				
BTEX by 8021B									
Benzene	0.0235	0.00102	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Toluene	0.0403	0.00102	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Ethylbenzene	0.0197	0.00204	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Xylene (p/m)	0.00744	0.00408	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Xylene (o)	0.00148	0.00102	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		107 %	75-1	25	P0I1803	09/18/20	09/19/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.5 %	75-1	25	P0I1803	09/18/20	09/19/20	EPA 8021B	
General Chemistry Parameters by EPA	/ Standard Method	s							
Chloride	7.97	1.02	mg/kg dry	1	P0I2302	09/23/20	09/23/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0I2101	09/21/20	09/21/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 80	15M							
C6-C12	ND	25.5	mg/kg dry	1	P0I1810	09/18/20	09/19/20	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P0I1810	09/18/20	09/19/20	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P0I1810	09/18/20	09/19/20	TPH 8015M	
Surrogate: 1-Chlorooctane		72.3 %	70-1	30	P0I1810	09/18/20	09/19/20	TPH 8015M	
Surrogate: o-Terphenyl		99.4 %	70-1	30	P0I1810	09/18/20	09/19/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	09/18/20	09/19/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

#### BH-13 @ 3' 0I18002-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmer	ntal Lab, I			_		
BTEX by 8021B									
Benzene	0.00459	0.00101	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Toluene	0.0117	0.00101	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Ethylbenzene	0.00633	0.00202	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Xylene (p/m)	ND	0.00404	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I1803	09/18/20	09/19/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		100 %	75-1	25	P0I1803	09/18/20	09/19/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.7 %	75-1	25	P0I1803	09/18/20	09/19/20	EPA 8021B	
General Chemistry Parameters by EPA	/ Standard Method	ls							
Chloride	5.19	1.01	mg/kg dry	1	P0I2302	09/23/20	09/23/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2101	09/21/20	09/21/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I1810	09/18/20	09/19/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0I1810	09/18/20	09/19/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0I1810	09/18/20	09/19/20	TPH 8015M	
Surrogate: 1-Chlorooctane		85.0 %	70-1	30	P0I1810	09/18/20	09/19/20	TPH 8015M	
Surrogate: o-Terphenyl		103 %	70-1	30	P0I1810	09/18/20	09/19/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	09/18/20	09/19/20	calc	

0.0878

0.100

0.111

0.196

0.109

0.117

0.113

0.00100

0.00100

0.00200

0.00400

0.00100

mg/kg wet

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

RPD

%REC

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

Reporting

Spike

Source

Prepared & Analyzed: 09/18/20

87.8

100

111

98.0

109

97.4

94.1

80-120

80-120

80-120

80-120 80-120

75-125

75-125

0.100

0.100

0.100

0.200

0.100

0.120

0.120

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I1803 - General Preparation (C	GC)									
Blank (P0I1803-BLK1)				Prepared &	Analyzed:	09/18/20				
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00200	"							
Xylene (p/m)	ND	0.00400	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		99.7	75-125			
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.3	75-125			
LCS (P0I1803-BS1)				Prepared &	z Analyzed:	09/18/20				
Benzene	0.0875	0.00100	mg/kg wet	0.100		87.5	70-130			
Toluene	0.0943	0.00100	"	0.100		94.3	70-130			
Ethylbenzene	0.0936	0.00200	"	0.100		93.6	70-130			
Xylene (p/m)	0.193	0.00400	"	0.200		96.6	70-130			
Xylene (o)	0.109	0.00100	"	0.100		109	70-130			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.3	75-125			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		99.7	75-125			
LCS Dup (P0I1803-BSD1)				Prepared &	Analyzed:	09/18/20				
Benzene	0.0838	0.00100	mg/kg wet	0.100		83.8	70-130	4.30	20	
Toluene	0.0892	0.00100	"	0.100		89.2	70-130	5.55	20	
Ethylbenzene	0.0963	0.00200	"	0.100		96.3	70-130	2.83	20	
Xylene (p/m)	0.184	0.00400	"	0.200		91.8	70-130	5.10	20	
Xylene (o)	0.101	0.00100	"	0.100		101	70-130	7.52	20	
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.2	75-125			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		100	75-125			

Permian Basin Environmental Lab, L.P.

Calibration Check (P0I1803-CCV1)

Surrogate: 4-Bromofluorobenzene Surrogate: 1,4-Difluorobenzene

Benzene

Toluene

Ethylbenzene

Xylene (p/m)

Xylene (o)

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

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

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

Apolyto	D - 1	Reporting	TT. **	Spike	Source	0/BEC	%REC	DDD	RPD	NI.
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I1803 - General Preparation (GC)										
Calibration Check (P0I1803-CCV2)				Prepared: (	09/18/20 Ar	nalyzed: 09	/19/20			
Benzene	0.0877	0.00100	mg/kg wet	0.100		87.7	80-120			
Toluene	0.0895	0.00100	"	0.100		89.5	80-120			
Ethylbenzene	0.0988	0.00200	"	0.100		98.8	80-120			
Xylene (p/m)	0.181	0.00400	"	0.200		90.7	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	75-125			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.9	75-125			
Calibration Check (P0I1803-CCV3)				Prepared: (	09/18/20 Ar	nalyzed: 09	/19/20			
Benzene	0.0867	0.00100	mg/kg wet	0.100		86.7	80-120			
Toluene	0.0918	0.00100	"	0.100		91.8	80-120			
Ethylbenzene	0.101	0.00200	"	0.100		101	80-120			
Xylene (p/m)	0.183	0.00400	"	0.200		91.6	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		101	75-125			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.6	75-125			
Matrix Spike (P0I1803-MS1)	Sou	ırce: 0I18001-	-21	Prepared: (	09/18/20 Ar	nalyzed: 09	/19/20			
Benzene	0.0927	0.00132	mg/kg dry	0.132	0.00122	69.5	80-120			QM-0
Toluene	0.0980	0.00132	"	0.132	0.00101	73.7	80-120			QM-0
Ethylbenzene	0.117	0.00263	"	0.132	0.000855	88.3	80-120			
Xylene (p/m)	0.189	0.00526	"	0.263	0.00253	71.0	80-120			QM-0
Xylene (o)	0.0965	0.00132	"	0.132	ND	73.3	80-120			QM-0
Surrogate: 1,4-Difluorobenzene	0.149		"	0.158		94.1	75-125			
Surrogate: 4-Bromofluorobenzene	0.159		"	0.158		101	75-125			
Matrix Spike Dup (P0I1803-MSD1)	Sou	ırce: 0I18001-	-21	Prepared: (	09/18/20 Ar	nalyzed: 09	/19/20			
Benzene	0.102	0.00132	mg/kg dry	0.132	0.00122	76.8	80-120	9.98	20	QM-0
Toluene	0.107	0.00132	"	0.132	0.00101	80.9	80-120	9.24	20	
Ethylbenzene	0.126	0.00263	"	0.132	0.000855	95.2	80-120	7.57	20	
Xylene (p/m)	0.210	0.00526	"	0.263	0.00253	79.0	80-120	10.7	20	QM-0
Xylene (o)	0.112	0.00132	"	0.132	ND	85.0	80-120	14.8	20	
Surrogate: 1,4-Difluorobenzene	0.148		"	0.158		93.5	75-125			

Permian Basin Environmental Lab, L.P.

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

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

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		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I2101 - *** DEFAULT PREP ***										
Blank (P0I2101-BLK1)				Prepared &	Analyzed:	09/21/20				
% Moisture	ND	0.1	%							
Blank (P0I2101-BLK2)				Prepared &	Analyzed:	09/21/20				
% Moisture	ND	0.1	%							
Blank (P0I2101-BLK3)				Prepared &	Analyzed:	09/21/20				
% Moisture	ND	0.1	%							
Blank (P0I2101-BLK4)				Prepared &	Analyzed:	09/21/20				
% Moisture	ND	0.1	%							
Duplicate (P0I2101-DUP1)	Sou	rce: 0I17009-10	)	Prepared &	Analyzed:	09/21/20				
% Moisture	14.0	0.1	%		14.0			0.00	20	
Duplicate (P0I2101-DUP2)	Sou	rce: 0I17010-08	3	Prepared &	Analyzed:	09/21/20				
% Moisture	15.0	0.1	%		16.0			6.45	20	
Duplicate (P0I2101-DUP3)	Sou	rce: 0I17011-07	7	Prepared &	Analyzed:	09/21/20				
% Moisture	17.0	0.1	%		18.0			5.71	20	
Duplicate (P0I2101-DUP4)	Sou	rce: 0I18001-02	2	Prepared &	Analyzed:	09/21/20				
% Moisture	10.0	0.1	%				18.2	20		
Duplicate (P0I2101-DUP5)	Sou	rce: 0I18001-17	7	Prepared &	Analyzed:	09/21/20				
% Moisture	19.0	0.1	%		18.0			5.41	20	
Duplicate (P0I2101-DUP6)	Sou	rce: 0I18002-02	2	Prepared &	Analyzed:	09/21/20				
% Moisture	1.0	0.1	%		1.0			0.00	20	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

		Reporting		Spike	Source		%REC		RPD	•
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I2101 - *** DEFAULT PREP ***										
Duplicate (P0I2101-DUP7)	Sou	rce: 0I18009-	02	Prepared &	Analyzed:	09/21/20				
% Moisture	5.0	0.1	%		5.0			0.00	20	
Batch P012302 - *** DEFAULT PREP ***										
Blank (P0I2302-BLK1)				Prepared &	Analyzed:	09/23/20				
Chloride	ND	1.00	mg/kg wet							
LCS (P0I2302-BS1)				Prepared &	Analyzed:	09/23/20				
Chloride	417	1.00	mg/kg wet	400		104	80-120			
LCS Dup (P0I2302-BSD1)				Prepared &	Analyzed:	09/23/20				
Chloride	406	1.00	mg/kg wet	400		102	80-120	2.59	20	
Calibration Blank (P0I2302-CCB1)				Prepared &	Analyzed:	09/23/20				
Chloride	0.00		mg/kg wet							
Calibration Blank (P0I2302-CCB2)				Prepared &	z Analyzed:	09/23/20				
Chloride	0.00		mg/kg wet							
Calibration Check (P0I2302-CCV1)				Prepared &	z Analyzed:	09/23/20				
Chloride	19.9		mg/kg	20.0		99.3	0-200			
Calibration Check (P0I2302-CCV2)				Prepared &	. Analyzed:	09/23/20				
Chloride	20.2		mg/kg	20.0		101	0-200			
Calibration Check (P0I2302-CCV3)				Prepared &	. Analyzed:	09/23/20				
Chloride	20.7		mg/kg	20.0		104	0-200			

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

Fax:

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0I2302 - *** DEFAULT PREP ***										
Batch Ful2302 - ***** DEFAULI FREF										
Matrix Spike (P0I2302-MS1)	Sour	ce: 0117011-1	1	Prepared &	: Analyzed:	09/23/20				
Chloride	17300	58.8	mg/kg dry	5880	10900	108	80-120			
Matrix Spike (P0I2302-MS2)	Sour	ce: 0I18002-0	16	Prepared &	Analyzed:	09/23/20				
Chloride	480	1.01	mg/kg dry	505	9.90	93.1	80-120			
Matrix Spike Dup (P0I2302-MSD1)	Sour	ce: 0I17011-1	1	Prepared &	: Analyzed:	09/23/20				
Chloride	16700	58.8	mg/kg dry	5880	10900	97.9	80-120	3.54	20	
Matrix Spike Dup (P0I2302-MSD2)	Sour	ce: 0I18002-0	06	Prepared &	Analyzed:	09/23/20				
Chloride	479	1.01	mg/kg dry	505	9.90	92.8	80-120	0.274	20	

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

Fax:

# 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 P0I1810 - TX 1005	<del>-</del>						<u> </u>			
Blank (P011810-BLK1)				Prepared &	k Analyzed:	09/18/20				
C6-C12	ND	25.0	mg/kg wet	Trepared 6	c / mary zea.	07/10/20				
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	95.1		"	100		95.1	70-130			
Surrogate: o-Terphenyl	49.4		"	50.0		98.8	70-130			
LCS (P0I1810-BS1)				Prepared &	k Analyzed:	09/18/20				
C6-C12	1030	25.0	mg/kg wet	1000	<u> </u>	103	75-125			
>C12-C28	1090	25.0	"	1000		109	75-125			
Surrogate: 1-Chlorooctane	108		"	100		108	70-130			
Surrogate: o-Terphenyl	49.3		"	50.0		98.5	70-130			
LCS Dup (P0I1810-BSD1)				Prepared &	k Analyzed:	09/18/20				
C6-C12	1030	25.0	mg/kg wet	1000		103	75-125	0.210	20	
>C12-C28	1090	25.0	"	1000		109	75-125	0.345	20	
Surrogate: 1-Chlorooctane	108		"	100		108	70-130			
Surrogate: o-Terphenyl	49.2		"	50.0		98.5	70-130			
Calibration Check (P0I1810-CCV1)				Prepared &	k Analyzed:	09/18/20				
C6-C12	518	25.0	mg/kg wet	500	•	104	85-115			
>C12-C28	540	25.0	"	500		108	85-115			
Surrogate: 1-Chlorooctane	102		"	100		102	70-130			
Surrogate: o-Terphenyl	48.9		"	50.0		97.8	70-130			
Calibration Check (P0I1810-CCV2)				Prepared: (	09/18/20 A	nalyzed: 09	/19/20			
C6-C12	488	25.0	mg/kg wet	500		97.6	85-115			
>C12-C28	511	25.0	"	500		102	85-115			
Surrogate: 1-Chlorooctane	96.5		"	100		96.5	70-130			
Surrogate: o-Terphenyl	46.2		"	50.0		92.5	70-130			

Permian Basin Environmental Lab, L.P.

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

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

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

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

#### Batch P0I1810 - TX 1005

Duplicate (P0I1810-DUP1)	Source	: 0117009-09	Prepared: 09/18/20	Analyzed: 09	/19/20		
C6-C12	18.2	30.1 mg/kg dry	16.9			7.14	20
>C12-C28	ND	30.1 "	29.0				20
Surrogate: 1-Chlorooctane	119	"	120	99.0	70-130		
Surrogate: o-Terphenyl	68.0	"	60.2	113	70-130		

DeanProject:Plains Artesia Gathering EastFax:12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

#### **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

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

	Drew	Devou C			
Report Approved By:			Date:	9/28/2020	

Brent Barron, Laboratory Director/Technical Director

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

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

Permian Basin Environmental Lab, L.P.

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

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Received: 3 °C Receiv	by Sampler/Client Rep. ? by Counter? UPS by Counter? UPS	Custody seals on container(s) Custody seals on cooler(s)	VOCs Free of Headspace?	Laboratory Comments: Samnle Configures Intact?	-	$\vdash$	_	+	4	+		4	11			TOX	-					Analyze For:	elizabethstuart@deandigs.com		Cave	` <u>}</u>		Phone: 432-686-7236	
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7,9													HNO <sub>3 250,ml Pely</sub> HCI H <sub>2</sub> SO <sub>4</sub> NeOH Ne <sub>2</sub> S <sub>2</sub> O <sub>3</sub> None 1L Pely		Preservation & # of Containers	kaylanlongee@deanequip.com	areynolds@deandigs.						Permian Basin Environmental Lab, LP 1400 Rankin Hwy Midland, Texas 79701	
118/20 18:35	. Time	Time	Date Time							\$ - \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1 10	` .'	NaOH/Znac  DW=Drinking Water SI GW= Groundwater S= NP=Non-Polable Spe TPH TX1005 EXT BTEX 8021 B	=8oil/Solid ecity Other	Matrix	com	om (+mhen	<u> </u>		PO#	Design 1	Project #:	, LP Project Name:	
Adjusted: D. L.	by Sampler/Client Rep. ? by Courier? UPS DI Temperature Upon Receipt:	Custody seals on container(s) custody seals on cooler(s) Sample Hand Delivered	Sample Containers Infact? VOCs Free of Headspace? Labels on container(s)	Laboratory Comments:									TCLP BENZENE CHLORIDES TCLP METALS NORM PAINT FILTER TOX RCI				Analyze For:	art@deandigs.com	v Standard	\$4.5# Ar	6 mp63	* PP-207#5	P	Phone: 432-686-7235
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### PERMIAN BASIN ENVIRONMENTAL LAB, LP 1400 Rankin Hwy Midland, TX 79701



### Analytical Report

#### **Prepared for:**

Sylwia Reynolds
Dean
12600 W County Rd 91
Midland, TX 79707

Project: Plains Artesia Gathering East

Project Number: PP-2075 Location: Eddy County, NM

Lab Order Number: 0I23010



NELAP/TCEQ # T104704516-17-8

Report Date: 10/05/20

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-22 @ 3'	0I23010-01	Soil	09/18/20 09:00	09-23-2020 11:45
BH-23 @ 3'	0I23010-02	Soil	09/18/20 09:05	09-23-2020 11:45
BH-24 @ 3'	0I23010-03	Soil	09/18/20 09:10	09-23-2020 11:45
BH-25 @ 3'	0I23010-04	Soil	09/18/20 09:15	09-23-2020 11:45
BH-26 @ 3'	0I23010-05	Soil	09/18/20 09:20	09-23-2020 11:45
BH-27 @ 3'	0I23010-06	Soil	09/18/20 09:25	09-23-2020 11:45
BH-28 @ 3'	0I23010-07	Soil	09/18/20 09:30	09-23-2020 11:45
BH-29 @ 3'	0I23010-08	Soil	09/18/20 09:35	09-23-2020 11:45
BH-30 @ 3'	0I23010-09	Soil	09/18/20 09:40	09-23-2020 11:45
BH-31 @ 3'	0I23010-10	Soil	09/18/20 09:45	09-23-2020 11:45
BH-32 @ 3'	0I23010-11	Soil	09/18/20 09:50	09-23-2020 11:45
BH-33 @ 3'	0I23010-12	Soil	09/18/20 09:55	09-23-2020 11:45
BH-34 @ 3'	0I23010-13	Soil	09/18/20 10:00	09-23-2020 11:45
BH-35 @ 3'	0I23010-14	Soil	09/18/20 10:05	09-23-2020 11:45
BH-36 @ 3'	0I23010-15	Soil	09/18/20 10:10	09-23-2020 11:45
BH-37 @ 3'	0I23010-16	Soil	09/18/20 10:15	09-23-2020 11:45
BH-38 @ 3'	0I23010-17	Soil	09/18/20 10:20	09-23-2020 11:45
BH-39 @ 3'	0I23010-18	Soil	09/18/20 10:25	09-23-2020 11:45
BH-40 @ 3'	0I23010-19	Soil	09/18/20 10:30	09-23-2020 11:45
BH-41 @ 3'	0I23010-20	Soil	09/18/20 10:35	09-23-2020 11:45
BH-42 @ 3'	0I23010-21	Soil	09/18/20 10:40	09-23-2020 11:45
BH-43 @ 3'	0I23010-22	Soil	09/18/20 10:45	09-23-2020 11:45
BH-44 @ 3'	0I23010-23	Soil	09/18/20 10:50	09-23-2020 11:45
BH-45 @ 3'	0I23010-24	Soil	09/18/20 10:55	09-23-2020 11:45
BH-46 @ 3'	0I23010-25	Soil	09/18/20 11:00	09-23-2020 11:45
BH-47 @ 3'	0I23010-26	Soil	09/18/20 11:05	09-23-2020 11:45
BH-48 @ 3'	0I23010-27	Soil	09/18/20 11:10	09-23-2020 11:45
BH-49 @ 3'	0I23010-28	Soil	09/18/20 11:15	09-23-2020 11:45
BH-50 @ 3'	0I23010-29	Soil	09/18/20 11:20	09-23-2020 11:45
BH-51 @ 3'	0I23010-30	Soil	09/18/20 11:25	09-23-2020 11:45
BH-52 @ 3'	0I23010-31	Soil	09/18/20 11:30	09-23-2020 11:45
BH-53 @ 3'	0I23010-32	Soil	09/18/20 11:35	09-23-2020 11:45
BH-54 @ 3'	0I23010-33	Soil	09/18/20 11:40	09-23-2020 11:45
BH-55 @ 3'	0I23010-34	Soil	09/18/20 11:45	09-23-2020 11:45

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-56 @ 3'	0I23010-35	Soil	09/18/20 11:50	09-23-2020 11:45
BH-57 @ 3'	0I23010-36	Soil	09/22/20 08:50	09-23-2020 11:45
BH-58 @ 1'	0I23010-37	Soil	09/22/20 08:53	09-23-2020 11:45
BH-59 @ 1'	0I23010-38	Soil	09/22/20 08:56	09-23-2020 11:45
BH-60 @ 1'	0I23010-39	Soil	09/22/20 09:00	09-23-2020 11:45
BH-61 @ 1'	0I23010-40	Soil	09/22/20 09:05	09-23-2020 11:45
BH-62 @ 1'	0I23010-41	Soil	09/22/20 09:10	09-23-2020 11:45
BH-63 @ 1'	0I23010-42	Soil	09/22/20 09:15	09-23-2020 11:45
BH-64 @ 1'	0I23010-43	Soil	09/22/20 09:20	09-23-2020 11:45
BH-65 @ 1'	0I23010-44	Soil	09/22/20 09:25	09-23-2020 11:45
BH-66 @ 1'	0I23010-45	Soil	09/22/20 09:30	09-23-2020 11:45
BH-67 @ 1'	0I23010-46	Soil	09/22/20 09:35	09-23-2020 11:45
BH-68 @ 1'	0I23010-47	Soil	09/22/20 09:40	09-23-2020 11:45
BH-69 @ 1'	0I23010-48	Soil	09/22/20 09:45	09-23-2020 11:45
BH-70 @ 1'	0I23010-49	Soil	09/22/20 09:50	09-23-2020 11:45
BH-71 @ 1'	0I23010-50	Soil	09/22/20 09:55	09-23-2020 11:45
North SW A1 @ 1.5'	0I23010-51	Soil	09/22/20 10:05	09-23-2020 11:45
North SW A2 @ 1.5'	0I23010-52	Soil	09/22/20 10:10	09-23-2020 11:45
West SW A1 @ 1.5'	0I23010-53	Soil	09/22/20 10:15	09-23-2020 11:45
West SW A2 @ 1.5'	0I23010-54	Soil	09/22/20 10:20	09-23-2020 11:45
South SW A1 @ 1.5'	0I23010-55	Soil	09/22/20 10:25	09-23-2020 11:45
East SW A1 @ 1.5'	0I23010-56	Soil	09/22/20 10:30	09-23-2020 11:45
South SW A2 @ 2'	0I23010-57	Soil	09/22/20 10:40	09-23-2020 11:45
BH-72 @ 1'	0I23010-58	Soil	09/22/20 11:00	09-23-2020 11:45
BH-73 @ 1'	0I23010-59	Soil	09/22/20 11:05	09-23-2020 11:45
BH-74 @ 1'	0I23010-60	Soil	09/22/20 11:10	09-23-2020 11:45
BH-75 @ 1'	0I23010-61	Soil	09/22/20 11:15	09-23-2020 11:45
BH-76 @ 1'	0I23010-62	Soil	09/22/20 11:20	09-23-2020 11:45
BH-77 @ 1'	0I23010-63	Soil	09/22/20 11:25	09-23-2020 11:45
BH-78 @ 1'	0I23010-64	Soil	09/22/20 11:30	09-23-2020 11:45
BH-79 @ 1'	0I23010-65	Soil	09/22/20 11:35	09-23-2020 11:45
BH-80 @ 1'	0I23010-66	Soil	09/22/20 11:40	09-23-2020 11:45
BH-81 @ 2'	0I23010-67	Soil	09/22/20 11:45	09-23-2020 11:45
North SW B1 @ 1'	0I23010-68	Soil	09/22/20 11:50	09-23-2020 11:45

Permian Basin Environmental Lab, L.P.

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

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

Fax:

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
East SW B1 @ 1'	0I23010-69	Soil	09/22/20 11:55	09-23-2020 11:45
South SW B1 @ 1'	0I23010-70	Soil	09/22/20 12:00	09-23-2020 11:45
West SW B1 @ 1'	0I23010-71	Soil	09/22/20 12:05	09-23-2020 11:45
South SW B2 @ 6"	0123010-72	Soil	09/22/20 12:15	09-23-2020 11:45
East SW B2 @ 6"	0I23010-73	Soil	09/22/20 12:20	09-23-2020 11:45
North SW B2 @ 6"	0I23010-74	Soil	09/22/20 12:25	09-23-2020 11:45
West SW B2 @ 6"	0123010-75	Soil	09/22/20 12:30	09-23-2020 11:45
West SW A3 @ 6"	0I23010-76	Soil	09/22/20 13:00	09-23-2020 11:45

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Sylwia Reynolds

BH-22 @ 3' 0I23010-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin E	Invironmen	tal Lab, I	P.				
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		97.5 %	75-12	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.5 %	75-12	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
<b>General Chemistry Parameters by EPA / Sta</b>	ındard Method	ls							
Chloride	6.38	1.03	mg/kg dry	1	P0I2805	09/28/20	09/28/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
<b>Total Petroleum Hydrocarbons C6-C35 by E</b>	EPA Method 80	015M							
C6-C12	ND	25.8	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		82.7 %	70-13	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		93.2 %	70-13	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	09/23/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-23 @ 3' 0I23010-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
- Amany to						Tropurou	1111111,200		1.000
	rerii	nian Basin E	Invironmen	itai Lab, i	L. <b>F.</b>				
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		99.5 %	75-1.	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.2 %	75-1.	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
General Chemistry Parameters by EI	PA / Standard Method	s							
Chloride	9.18	1.05	mg/kg dry	1	P0I2805	09/28/20	09/28/20	EPA 300.0	
% Moisture	5.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80	15M							
C6-C12	ND	26.3	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C12-C28	27.2	26.3	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		85.9 %	70-1.	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		95.2 %	70-1.	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	27.2	26.3	mg/kg dry	1	[CALC]	09/23/20	09/24/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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## BH-24 @ 3' 0I23010-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
· · · · · · · · · · · · · · · · · · ·		nian Basin E				1			
BTEX by 8021B				,					
Benzene	ND	0.00103	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.7 %	75-1	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		98.0 %	75-1	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
General Chemistry Parameters by EPA	Standard Method	ls							
Chloride	6.57	1.03	mg/kg dry	1	P0I2805	09/28/20	09/28/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 l	oy EPA Method 80	15M							
C6-C12	ND	25.8	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		85.4 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		96.4 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	09/23/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

075

## BH-25 @ 3' 0I23010-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin I	Environme	ntal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	75-1	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		92.6 %	75-1	25	P012309	09/23/20	09/24/20	EPA 8021B	
<b>General Chemistry Parameters by EPA</b>	Standard Method	ls							
Chloride	2.71	1.05	mg/kg dry	1	P0I2805	09/28/20	09/28/20	EPA 300.0	
% Moisture	5.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 b	oy EPA Method 80	15M							
C6-C12	ND	26.3	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		85.3 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		97.5 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	09/23/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-26 @ 3' 0I23010-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perm	ian Basin E	Environmer	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.9 %	75-1	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		100 %	75-1	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
General Chemistry Parameters by EI	PA / Standard Method	s							
Chloride	2.43	1.01	mg/kg dry	1	P0I2805	09/28/20	09/28/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C12-C28	372	25.3	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C28-C35	184	25.3	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		82.2 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		92.2 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	556	25.3	mg/kg dry	1	[CALC]	09/23/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075 Midland TX, 79707 Project Manager: Sylwia Reynolds

> BH-27 @ 3' 0I23010-06 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

	Perm	nian Basin I	Environmenta	l Lab	, L.P.			
BTEX by 8021B								
Benzene	ND	0.00102	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B
Toluene	ND	0.00102	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B
Xylene (o)	ND	0.00102	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B
Surrogate: 4-Bromofluorobenzene		86.6 %	75-125		P0I2309	09/23/20	09/24/20	EPA 8021B
Surrogate: 1,4-Difluorobenzene		97.3 %	75-125		P0I2309	09/23/20	09/24/20	EPA 8021B
<u>General Chemistry Parameters by EP</u> Chloride	PA / Standard Method 5.29	s 1.02	mg/kg dry	1	P0I2805	09/28/20	09/28/20	EPA 300.0
% Moisture	2.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C3	35 by EPA Method 80	15M						
C6-C12	ND	25.5	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M
>C12-C28	827	25.5	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M
>C28-C35	430	25.5	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M
Surrogate: 1-Chlorooctane		76.5 %	70-130		P0I2311	09/23/20	09/24/20	TPH 8015M
Surrogate: o-Terphenyl		87.2 %	70-130		P0I2311	09/23/20	09/24/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	1260	25.5	mg/kg dry	1	[CALC]	09/23/20	09/24/20	calc

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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## BH-28 @ 3' 0I23010-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin I	Environme	ntal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		98.4 %	75-1	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.7 %	75-1	25	P012309	09/23/20	09/24/20	EPA 8021B	
<b>General Chemistry Parameters by EPA</b>	Standard Method	ls							
Chloride	4.58	1.04	mg/kg dry	1	P0I2805	09/28/20	09/28/20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 h	oy EPA Method 80	15M							
C6-C12	ND	26.0	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		85.9 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		96.4 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	09/23/20	09/24/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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## BH-29 @ 3' 0I23010-08 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin F	Environme	ntal Lab, I	P.				
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		100 %	75-1	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.4 %	75-1	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
General Chemistry Parameters by EPA	Standard Method	ls							
Chloride	12.3	1.03	mg/kg dry	1	P0I2805	09/28/20	09/28/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 80	15M							
C6-C12	ND	25.8	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		97.8 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		108 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	09/23/20	09/24/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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## BH-30 @ 3' 0I23010-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin E	Environmen	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	75-1.	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.2 %	75-1.	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
<b>General Chemistry Parameters by EPA</b>	Standard Method	ls							
Chloride	7.07	1.04	mg/kg dry	1	P0I2805	09/28/20	09/28/20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 l	oy EPA Method 80	015M							
C6-C12	ND	26.0	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		94.0 %	70-1.	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		103 %	70-1.	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	09/23/20	09/24/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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## BH-31 @ 3' 0I23010-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environme	ntal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.4 %	75-1	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		100 %	75-1	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
General Chemistry Parameters by EPA	Standard Method	ls							
Chloride	3.96	1.05	mg/kg dry	1	P0I2805	09/28/20	09/28/20	EPA 300.0	
% Moisture	5.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 80	15M							
C6-C12	ND	26.3	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		93.5 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		104 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	09/23/20	09/24/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

## BH-32 @ 3' 0I23010-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perr	nian Basin I	Environme	ntal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		98.4 %	75-1	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.2 %	75-1	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
General Chemistry Parameters by EP	A / Standard Method	ls							
Chloride	3.63	1.01	mg/kg dry	1	P0I2805	09/28/20	09/28/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C12-C28	278	25.3	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C28-C35	138	25.3	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		86.4 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		98.2 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	417	25.3	mg/kg dry	1	[CALC]	09/23/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-33 @ 3' 0I23010-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
·	Pern	nian Basin F	Environmer	ıtal Lab, l	L <b>.P.</b>	•			
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.7 %	75-1	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		99.4 %	75-1	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
General Chemistry Parameters by EI	PA / Standard Method	ls							
Chloride	2.87	1.02	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C.	35 by EPA Method 80	15M							
C6-C12	ND	25.5	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C12-C28	151	25.5	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C28-C35	85.7	25.5	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		77.9 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		86.9 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	237	25.5	mg/kg dry	1	[CALC]	09/23/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-34 @ 3' 0I23010-13 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perm	iian Basin F	Environmer	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.3 %	75-1	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		99.9 %	75-1	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
General Chemistry Parameters by EPA	Standard Method	s							
Chloride	12.1	1.03	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 l	oy EPA Method 80	15M							
C6-C12	ND	25.8	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		95.4 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		107 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	09/23/20	09/24/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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## BH-35 @ 3' 0I23010-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmer	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00400	0.00103	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		127 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene		95.6 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
General Chemistry Parameters by E	<b>EPA / Standard Method</b>	ls							
Chloride	5.87	1.03	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.8	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C12-C28	58.3	25.8	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		82.9 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		95.7 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	58.3	25.8	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-36 @ 3' 0I23010-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environme	ıtal Lab, l	L <b>.P.</b>	•			
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.2 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		132 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	S-GC
General Chemistry Parameters by EPA	Standard Method	ls							
Chloride	7.71	1.03	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 k	oy EPA Method 80	15M							
C6-C12	ND	25.8	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		80.5 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		92.4 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-37 @ 3' 0I23010-16 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin F	Environme	ıtal Lab, I	<b>P.</b>				
BTEX by 8021B									
Benzene	0.00386	0.00101	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00757	0.00101	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	0.00208	0.00202	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		124 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	6.08	1.01	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
>C12-C28	401	25.3	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
>C28-C35	234	25.3	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		84.9 %	70-1	30	P0I2405	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		100 %	70-1	30	P0I2405	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	635	25.3	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075 Midland TX, 79707 Project Manager: Sylwia Reynolds

> BH-38 @ 3' 0I23010-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmen	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00263	0.00101	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00552	0.00101	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		136 %	75-1.	25	P0I2412	09/24/20	09/29/20	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene		96.1 %	75-1.	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
General Chemistry Parameters by EF	A / Standard Method	ls							
Chloride	3.54	1.01	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C3	35 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C12-C28	306	25.3	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C28-C35	103	25.3	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane	·	81.0 %	70-1.	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		91.4 %	70-1.	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon	409	25.3	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

C6-C35

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-39 @ 3' 0I23010-18 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmer	ıtal Lab, I	<b>P.</b>				
BTEX by 8021B									
Benzene	0.00272	0.00101	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00693	0.00101	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.1 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		116 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
<b>General Chemistry Parameters by El</b>	PA / Standard Method	ls							
Chloride	3.07	1.01	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C12-C28	221	25.3	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C28-C35	101	25.3	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		77.6 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		88.0 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	321	25.3	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

## BH-40 @ 3' 0I23010-19 (Soil)

		Reporting		<b>5</b> 11					
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin E	Environmen	tal Lab, l	P.				
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00194	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		122 %	75-1.	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.9 %	75-1.	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	4.84	1.04	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	26.0	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C12-C28	26.2	26.0	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		96.3 %	70-1.	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		108 %	70-1.	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	26.2	26.0	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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# BH-41 @ 3' 0I23010-20 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin F	Environmer	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00140	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		129 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene		101 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
<b>General Chemistry Parameters by EPA</b>	/ Standard Method	s							
Chloride	5.85	1.04	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
<b>Total Petroleum Hydrocarbons C6-C35</b>	by EPA Method 80	15M							
C6-C12	ND	26.0	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		91.1 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		104 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

## BH-42 @ 3' 0I23010-21 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin I	Environme	ntal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00192	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.2 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		124 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
<b>General Chemistry Parameters by EPA</b>	/ Standard Method	ls							
Chloride	4.26	1.04	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 80	15M							
C6-C12	ND	26.0	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		85.3 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		98.9 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

> BH-43 @ 3' 0I23010-22 (Soil)

	D 1	Reporting	TT '	Dil c	D. (1	ъ .		M.d. I	NI :
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin F	Environme	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00181	0.00102	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00416	0.00102	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.3 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		127 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	S-GC
General Chemistry Parameters by El	PA / Standard Method	ls							
Chloride	7.51	1.02	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80	15M							
C6-C12	ND	25.5	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C12-C28	202	25.5	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C28-C35	80.8	25.5	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		88.0 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		101 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	283	25.5	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-44 @ 3' 0I23010-23 (Soil)

Anabas	Result	Reporting Limit	Units	Dilution	Batch	Downson	A1 J	Method	Nister
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perr	nian Basin F	Environme	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00470	0.00100	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00881	0.00100	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	0.00217	0.00200	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		98.0 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		127 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	S-GC
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	2.79	1.00	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C12-C28	302	25.0	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C28-C35	114	25.0	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		91.8 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		106 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	415	25.0	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

## BH-45 @ 3' 0I23010-24 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perr	nian Basin I	Environmer	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00232	0.00101	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00679	0.00101	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	0.00243	0.00202	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		120 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.9 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ds							
Chloride	6.84	1.01	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	)15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C12-C28	114	25.3	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C28-C35	51.2	25.3	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		84.8 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		96.8 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	165	25.3	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-46 @ 3' 0I23010-25 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin F	Environmer	ıtal Lab, l	L <b>.P.</b>	•	-		
BTEX by 8021B									
Benzene	0.00314	0.00103	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00711	0.00103	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	0.00224	0.00206	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		128 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene		96.3 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
General Chemistry Parameters by E	CPA / Standard Method	ls							
Chloride	4.24	1.03	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-0	C35 by EPA Method 80	15M							
C6-C12	ND	25.8	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C12-C28	441	25.8	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C28-C35	170	25.8	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		93.6 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		106 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	611	25.8	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

2-2075

## BH-47 @ 3' 0I23010-26 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin F	Environme	ıtal Lab, l	Ĺ <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00466	0.00102	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00886	0.00102	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		130 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene		92.2 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
General Chemistry Parameters by E	CPA / Standard Method	ls							
Chloride	6.45	1.02	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-0	C35 by EPA Method 80	15M							
C6-C12	ND	25.5	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C12-C28	590	25.5	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C28-C35	209	25.5	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		79.6 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		93.6 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	799	25.5	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

>C12-C28

>C28-C35

C6-C35

Surrogate: 1-Chlorooctane

**Total Petroleum Hydrocarbon** 

Surrogate: o-Terphenyl

Fax:

Dean Project: Plains Artesia Gathering East

106

42.7

149

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-48 @ 3' 0I23010-27 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environme	ntal Lab, l	<b>P.</b>				
BTEX by 8021B									
Benzene	0.00192	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00527	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	0.00215	0.00208	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		128 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene		89.6 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
<b>General Chemistry Parameters by E</b>	PA / Standard Method	s							
Chloride	5.61	1.04	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	26.0	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	

mg/kg dry

mg/kg dry

26.0 mg/kg dry

70-130

70-130

P0I2405

P0I2405

P0I2405

P0I2405

[CALC]

09/24/20

09/24/20

09/24/20

09/24/20

09/24/20

09/24/20

09/24/20

09/24/20

09/24/20

09/24/20

TPH 8015M

TPH 8015M

TPH 8015M

TPH 8015M

calc

26.0

26.0

87.8 %

100 %

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-49 @ 3' 0123010-28 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmer	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00453	0.00100	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00733	0.00100	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		91.0 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		128 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	S-GC
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	4.24	1.00	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
>C12-C28	794	25.0	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
>C28-C35	293	25.0	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		84.4 %	70-1	30	P0I2405	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		101 %	70-1	30	P0I2405	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	1090	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

## BH-50 @ 3' 0I23010-29 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	nvironmer	ıtal Lab, I	<b>P.</b>				
BTEX by 8021B									
Benzene	0.00352	0.00102	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00723	0.00102	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	0.00212	0.00204	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		124 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.6 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	's							
Chloride	7.09	1.02	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.5	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
>C12-C28	453	25.5	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
>C28-C35	211	25.5	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		82.7 %	70-1	30	P0I2405	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		94.2 %	70-1	30	P0I2405	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	665	25.5	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

> BH-51 @ 3' 0I23010-30 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmer	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00106	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00188	0.00106	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.1 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		133 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	S-GC
<b>General Chemistry Parameters by E</b>	<b>EPA / Standard Method</b>	ls							
Chloride	3.39	1.06	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	6.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	26.6	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
>C12-C28	90.3	26.6	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
>C28-C35	39.9	26.6	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		83.6 %	70-1	30	P0I2405	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		96.2 %	70-1	30	P0I2405	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	130	26.6	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

## BH-52 @ 3' 0I23010-31 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Analyte	Resuit	Limit	Units	Dilution	Datcii	ricpared	Analyzed	Meniod	note
	Pern	nian Basin E	Invironmen	ıtal Lab, I	<b>□.P.</b>				
BTEX by 8021B									
Benzene	0.00353	0.00103	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00942	0.00103	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	0.00137	0.00103	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	0.00354	0.00206	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		124 %	75-1.	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		98.5 %	75-1.	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
General Chemistry Parameters by E	'PA / Standard Method	'e							
Chloride	6.29	1.03	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.8	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
>C12-C28	141	25.8	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
>C28-C35	75.0	25.8	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		81.8 %	70-1.	30	P0I2405	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		94.4 %	70-1.	30	P0I2405	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	216	25.8	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-53 @ 3'

0I23010-32 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin I	Environmer	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00301	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00675	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.6 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		116 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
General Chemistry Parameters by I	EPA / Standard Method	ls							
Chloride	3.66	1.04	mg/kg dry	1	P0I2904	09/29/20	09/30/20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-	C35 by EPA Method 80	15M							
C6-C12	ND	26.0	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
>C12-C28	628	26.0	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
>C28-C35	261	26.0	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		76.1 %	70-1	30	P0I2405	09/24/20	09/25/20	TPH 8015M	

70-130

87.4 %

26.0 mg/kg dry

889

Surrogate: o-Terphenyl

C6-C35

**Total Petroleum Hydrocarbon** 

P0I2405

[CALC]

09/24/20

09/24/20

09/25/20

09/25/20

TPH 8015M

calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-54 @ 3' 0I23010-33 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
<u> </u>						Parea	, 2.04		1.50
	Pern	nian Basin E	Environmen	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00411	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.0101	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	0.00132	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	0.00344	0.00208	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		104 %	75-125		P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		120 %	75-125		P0I2412	09/24/20	09/29/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	4.00	1.04	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	26.0	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	·
>C12-C28	712	26.0	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
>C28-C35	277	26.0	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		79.9 %	70-130		P0I2405	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		90.8 %	70-130		P0I2405	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	989	26.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-55 @ 3' 0I23010-34 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perm	ian Basin E	Environmer	ıtal Lab, l	L <b>.P.</b>		·		
BTEX by 8021B				,					
Benzene	0.00526	0.00104	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.00545	0.00104	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		96.9 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		120 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
General Chemistry Parameters by I	EPA / Standard Method	s							
Chloride	4.33	1.04	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-	C35 by EPA Method 80	15M							
C6-C12	ND	26.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C12-C28	352	26.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C28-C35	148	26.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		93.6 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		99.2 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon	500	26.0	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

C6-C35

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-56 @ 3' 0I23010-35 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin F	Environmer	ıtal Lab, l	P.				
BTEX by 8021B									
Benzene	0.00411	0.00102	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.00712	0.00102	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		126 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene		98.1 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	3.07	1.02	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	235 by EPA Method 80	15M							
C6-C12	ND	25.5	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C12-C28	499	25.5	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C28-C35	220	25.5	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		84.8 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		88.2 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	719	25.5	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-57 @ 3' 0I23010-36 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perr	nian Basin F	Environmen	tal Lab, I	P.				
BTEX by 8021B									
Benzene	0.00397	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.00462	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		130 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene		99.2 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
<b>General Chemistry Parameters by E</b>	PA / Standard Method	ls							
Chloride	10.0	1.01	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C12-C28	184	25.3	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C28-C35	73.2	25.3	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		96.7 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		102 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	258	25.3	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-58 @ 1' 0I23010-37 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmen	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00568	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.00796	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		103 %	75-1.	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		117 %	75-1.	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	3.78	1.01	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C12-C28	504	25.3	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C28-C35	177	25.3	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		90.1 %	70-1.	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		91.5 %	70-1.	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	680	25.3	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-59 @ 1' 0I23010-38 (Soil)

	n .	Reporting	TT 11	D'' - '	D . 1	ъ .		M. I. I	37
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmer	ıtal Lab, I	<b>P.</b>				
BTEX by 8021B									
Benzene	0.00509	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.00807	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		123 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	3.99	1.00	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C12-C28	356	25.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C28-C35	119	25.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		95.7 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		97.3 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	476	25.0	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-60 @ 1' 0I23010-39 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin E	Environmer	ıtal Lab, l	<b>P.</b>				
BTEX by 8021B									
Benzene	0.00643	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.0131	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	0.00142	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	0.00342	0.00202	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		119 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.5 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	6.95	1.01	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	)15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C12-C28	194	25.3	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C28-C35	66.5	25.3	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		95.1 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		98.2 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	260	25.3	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-61 @ 1' 0I23010-40 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	nvironmen	ıtal Lab, I	P.				
BTEX by 8021B									
Benzene	0.00834	0.00102	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.0152	0.00102	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	0.00144	0.00102	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	0.00330	0.00204	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		118 %	75-1.	25	P0I2414	09/24/20	09/30/20	EPA 8021B	·
Surrogate: 1,4-Difluorobenzene		98.6 %	75-1.	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
General Chemistry Parameters by F	EPA / Standard Method	s							
Chloride	3.97	1.02	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-0	C35 by EPA Method 80	15M							
C6-C12	ND	25.5	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C12-C28	205	25.5	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C28-C35	69.6	25.5	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		91.7 %	70-1.	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		94.8 %	70-1.	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	275	25.5	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-62 @ 1' 0I23010-41 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin F	Environmer	ıtal Lab, l	<b>P.</b>				
BTEX by 8021B									
Benzene	0.00590	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.00927	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		100 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		123 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
General Chemistry Parameters by F	CPA / Standard Method	ls							
Chloride	6.35	1.01	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-0	C35 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C12-C28	202	25.3	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C28-C35	77.2	25.3	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		95.3 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		98.2 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	280	25.3	mg/kg dry	1	[CALC]	09/24/20	09/24/20	cale	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX 70707

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-63 @ 1' 0I23010-42 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	nvironmer	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00528	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.00753	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.1 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		125 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
General Chemistry Parameters by E	<b>CPA / Standard Method</b>	S							
Chloride	3.66	1.00	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C12-C28	198	25.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C28-C35	87.5	25.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		93.2 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		95.3 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	285	25.0	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-64 @ 1' 0I23010-43 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmen	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00479	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.00966	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	0.00107	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	0.00216	0.00202	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.7 %	75-1.	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		129 %	75-1.	25	P0I2414	09/24/20	09/30/20	EPA 8021B	S-GC
General Chemistry Parameters by E	<b>CPA / Standard Method</b>	ls							
Chloride	6.60	1.01	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C12-C28	134	25.3	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C28-C35	57.6	25.3	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		97.7 %	70-1.	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		101 %	70-1.	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	192	25.3	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-65 @ 1' 0I23010-44 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perr	nian Basin F	Environmen	tal Lab, I	<b>P.</b>				
BTEX by 8021B									
Benzene	0.00697	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.00894	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.6 %	75-1.	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		125 %	75-1.	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	7.49	1.00	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C12-C28	166	25.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C28-C35	68.8	25.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		98.7 %	70-1.	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		104 %	70-1.	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	235	25.0	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-66 @ 1' 0I23010-45 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
						Tropulou	111111/200		
	Perr	nian Basin E	invironmen	tal Lab, I	<b>∟.P.</b>				
BTEX by 8021B									
Benzene	0.00455	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.00642	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		122 %	75-1.	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.0 %	75-1.	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	5.81	1.00	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C12-C28	235	25.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C28-C35	99.4	25.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		96.3 %	70-1.	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		101 %	70-1.	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	335	25.0	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

2075

# BH-67 @ 1' 0I23010-46 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perr	nian Basin E	Environmen	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00499	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.00791	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.7 %	75-1.	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		127 %	75-1.	25	P0I2414	09/24/20	09/30/20	EPA 8021B	S-GC
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	6.13	1.00	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	)15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C12-C28	248	25.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C28-C35	104	25.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		96.6 %	70-1.	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		100 %	70-1.	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	352	25.0	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-68 @ 1' 0I23010-47 (Soil)

Analyta	Result	Reporting Limit	Lluita	Dilution	Batch	Duomonod	Amalya- 1	Method	Net
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
	Pern	nian Basin F	Environme	ntal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00447	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.00650	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		120 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	<u> </u>
Surrogate: 1,4-Difluorobenzene		103 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
<b>General Chemistry Parameters by E</b>	EPA / Standard Method	ls							
Chloride	2.52	1.00	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-0	C35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
>C12-C28	247	25.0	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
>C28-C35	97.6	25.0	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		89.6 %	70-1	30	P0I2406	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		92.4 %	70-1	30	P0I2406	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	345	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-69 @ 1' 0I23010-48 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
	Pern	nian Basin E	Invironmen	ıtal Lab, I	P.				
BTEX by 8021B									
Benzene	0.00645	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.0129	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	0.00135	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	0.00290	0.00200	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		116 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		103 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	8.79	1.00	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
>C12-C28	128	25.0	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
>C28-C35	55.6	25.0	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		92.1 %	70-1	30	P0I2406	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		95.5 %	70-1	30	P0I2406	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	184	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-70 @ 1' 0I23010-49 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
	Pern	nian Basin E	nvironmen	ıtal Lab, I	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00394	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.00831	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	0.00107	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	0.00236	0.00202	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		124 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.3 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	s							
Chloride	2.95	1.01	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
>C12-C28	85.9	25.3	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
>C28-C35	35.1	25.3	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		90.4 %	70-1	30	P0I2406	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		93.8 %	70-1	30	P0I2406	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	121	25.3	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-71 @ 1' 0I23010-50 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin E	Environme	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00157	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.00667	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	0.00118	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	0.00282	0.00202	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		118 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		100 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
General Chemistry Parameters by EPA	/ Standard Method	ls							
Chloride	3.13	1.01	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		78.2 %	70-1	30	P0I2406	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		88.3 %	70-1	30	P0I2406	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

#### North SW A1 @ 1.5' 0123010-51 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
	Pern	nian Basin E	Environmer	ıtal Lab, l	L <b>.P.</b>		· · · · · · · · · · · · · · · · · · ·		
BTEX by 8021B									
Benzene	0.00877	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.0146	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	0.00148	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	0.00322	0.00200	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		116 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	·
Surrogate: 1,4-Difluorobenzene		102 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	s							
Chloride	2.87	1.00	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	235 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
>C12-C28	238	25.0	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
>C28-C35	80.7	25.0	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		89.7 %	70-1	30	P0I2406	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		92.2 %	70-1	30	P0I2406	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	319	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

North SW A2 @ 1.5' 0123010-52 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
· imije	Result	Lillit	Omo	Ditation	Dateii	7 repared	7 thany zed	Method	11010.
	Perr	nian Basin E	Environme	ıtal Lab, l	<b>L.P.</b>				
BTEX by 8021B									
Benzene	0.00637	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.00906	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		120 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	4.61	1.00	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
>C12-C28	270	25.0	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
>C28-C35	85.4	25.0	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		92.3 %	70-1	30	P0I2406	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		94.3 %	70-1	30	P0I2406	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	356	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

#### West SW A1 @ 1.5' 0I23010-53 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
	Pern	nian Basin F	Environmer	ıtal Lab, I	L.P.				
BTEX by 8021B									
Benzene	0.00878	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.0151	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	0.00157	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	0.00344	0.00200	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		100 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		120 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	s							
Chloride	3.74	1.00	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	235 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
>C12-C28	127	25.0	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
>C28-C35	37.9	25.0	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		98.0 %	70-1	30	P0I2406	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		100 %	70-1	30	P0I2406	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	165	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

West SW A2 @ 1.5' 0I23010-54 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
· · ·	Darn	nian Basin E	'nvironmer	ntal I ah I	D				
	1 (111	iiaii Dasiii E	anvii oninci	itai Lab, i	J.1 .				
BTEX by 8021B									
Benzene	0.00587	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Toluene	0.0113	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Ethylbenzene	0.00196	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Xylene (p/m)	0.00480	0.00200	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Xylene (o)	0.00111	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		122 %	75-1	25	P0I3003	09/30/20	10/01/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-1	25	P0I3003	09/30/20	10/01/20	EPA 8021B	
General Chemistry Parameters by E	EPA / Standard Method	s							
Chloride	6.08	1.00	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-0	C35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	187	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	45.8	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		74.8 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		78.5 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	233	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

South SW A1 @ 1.5' 0123010-55 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perr	nian Basin E	Environme	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00149	0.00101	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Toluene	0.00727	0.00101	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Ethylbenzene	0.00179	0.00101	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Xylene (p/m)	0.00471	0.00202	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		98.8 %	75-1	25	P0I3003	09/30/20	10/01/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		124 %	75-1	25	P0I3003	09/30/20	10/01/20	EPA 8021B	
General Chemistry Parameters by EPA	/ Standard Method	ls							
Chloride	5.71	1.01	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		89.4 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		96.2 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

# East SW A1 @ 1.5' 0123010-56 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perr	nian Basin E	Invironme	ıtal Lab, I	P.				
BTEX by 8021B									
Benzene	0.00179	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Toluene	0.00700	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Ethylbenzene	0.00119	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Xylene (p/m)	0.00298	0.00200	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		118 %	75-1	25	P0I3003	09/30/20	10/01/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.6 %	75-1	25	P0I3003	09/30/20	10/01/20	EPA 8021B	
General Chemistry Parameters by EPA / Stand	lard Method	ls							
Chloride	4.29	1.00	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA	Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		94.1 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		99.4 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

South SW A2 @ 2' 0I23010-57 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin E	Environme	ntal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00290	0.00101	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Toluene	0.0116	0.00101	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Ethylbenzene	0.00172	0.00101	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Xylene (p/m)	0.00421	0.00202	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		116 %	75-1	25	P0I3003	09/30/20	10/01/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		98.3 %	75-1	25	P0I3003	09/30/20	10/01/20	EPA 8021B	
General Chemistry Parameters by EPA	/ Standard Method	ls							
Chloride	8.82	1.01	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 80	)15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		85.1 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		92.6 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-72 @ 1' 0I23010-58 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin I	Environme	ıtal Lab, l	<b>P.</b>				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.7 %	75-1	25	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		130 %	75-1	25	P0I3003	09/30/20	09/30/20	EPA 8021B	S-GC
General Chemistry Parameters by EPA / Sta	ndard Metho	ds							
Chloride	7.71	1.00	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by E	PA Method 80	)15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		90.6 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		97.2 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

2075

# BH-73 @ 1' 0I23010-59 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmen	tal Lab, l	P.				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		95.9 %	75-1.	25	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		130 %	75-1.	25	P0I3003	09/30/20	09/30/20	EPA 8021B	S-GC
General Chemistry Parameters by El	PA / Standard Method	ls							
Chloride	9.21	1.00	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	44.0	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		85.8 %	70-1.	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		94.0 %	70-1.	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	44.0	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-74 @ 1' 0I23010-60 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin I	Environmer	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.9 %	75-1	25	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		129 %	75-1	25	P0I3003	09/30/20	09/30/20	EPA 8021B	S-GC
General Chemistry Parameters by EPA	Standard Method	ls							
Chloride	7.89	1.01	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 l	oy EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		91.8 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		98.3 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-75 @ 1' 0I23010-61 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmer	ıtal Lab, l	<b>P.</b>				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.4 %	75-1	25	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		125 %	75-1	25	P0I3003	09/30/20	09/30/20	EPA 8021B	
General Chemistry Parameters by EP	A / Standard Method	s							
Chloride	7.63	1.00	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C3	35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	32.0	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		92.8 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		99.4 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	32.0	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-76 @ 1' 0I23010-62 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmen	tal Lab, l	P.				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		128 %	75-1.	25	P0I3003	09/30/20	09/30/20	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene		96.6 %	75-1.	25	P0I3003	09/30/20	09/30/20	EPA 8021B	
General Chemistry Parameters by El	PA / Standard Method	ls							
Chloride	7.96	1.00	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	30.0	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		93.9 %	70-1.	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		101 %	70-1.	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	30.0	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-77 @ 1' 0I23010-63 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environme	ntal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		125 %	75-1	25	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.5 %	75-1	25	P0I3003	09/30/20	09/30/20	EPA 8021B	
General Chemistry Parameters by EPA /	Standard Method	ls							
Chloride	7.24	1.00	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 b	oy EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		99.7 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		107 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-78 @ 1' 0I23010-64 (Soil)

Analyta	Result	Reporting Limit	Units	Dilution	Batch	Duomonod	A malvore d	Method	Notes
Analyte	Resuit	Limit	Units	Dilution	Daten	Prepared	Analyzed	Meniod	Notes
	Pern	nian Basin E	Environmen	ıtal Lab, I	<b>L.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		122 %	75-1	25	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		98.4 %	75-1	25	P0I3003	09/30/20	09/30/20	EPA 8021B	
<b>General Chemistry Parameters by EP</b>	A / Standard Method	ls							
Chloride	5.86	1.00	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C3	35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	27.6	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		94.1 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		102 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	27.6	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-79 @ 1' 0I23010-65 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin F	Environmen	tal Lab, I	P.				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		98.1 %	75-12	25	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		124 %	75-12	25	P0I3003	09/30/20	09/30/20	EPA 8021B	
<b>General Chemistry Parameters by EPA / St</b>	andard Metho	ds							
Chloride	6.61	1.00	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
<b>Total Petroleum Hydrocarbons C6-C35 by </b>	EPA Method 80	)15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		95.8 %	70-1.	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		102 %	70-1.	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-80 @ 1' 0I23010-66 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmen	tal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		96.8 %	75-12	25	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		126 %	75-12	25	P0I3003	09/30/20	09/30/20	EPA 8021B	S-GC
General Chemistry Parameters by EF	A / Standard Method	ls							
Chloride	5.16	1.00	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C3	35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	30.8	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		96.9 %	70-13	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		105 %	70-13	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	30.8	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-81 @ 2' 0I23010-67 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmer	ıtal Lab, I	L.P.				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		117 %	75-1	25	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-1	25	P0I3003	09/30/20	09/30/20	EPA 8021B	
General Chemistry Parameters by El	PA / Standard Method	S							
Chloride	8.61	1.00	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	39.6	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		77.9 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	-
Surrogate: o-Terphenyl		83.1 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	39.6	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Permian Basin Environmental Lab, L.P.

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

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

# North SW B1 @ 1' 0123010-68 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Amayee						Trepared	7 Hary Zea	Method	110103
	Peri	nian Basin E	nvironmen	tai Lab, i	⊿.P.				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		100 %	75-1.	25	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		123 %	75-1.	25	P0I3003	09/30/20	09/30/20	EPA 8021B	
<b>General Chemistry Parameters by EPA / Sta</b>	ndard Metho	ds							
Chloride	3.41	1.00	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by E	PA Method 80	)15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		104 %	70-1.	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		110 %	70-1.	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

East SW B1 @ 1' 0123010-69 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin E	Environmen	tal Lab, I	P.				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-12	25	P0I3003	09/30/20	10/01/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		118 %	75-12	25	P0I3003	09/30/20	10/01/20	EPA 8021B	
<b>General Chemistry Parameters by EPA / Sta</b>	ndard Metho	ds							
Chloride	7.07	1.00	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by E	PA Method 80	)15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		90.3 %	70-1.	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		96.3 %	70-1.	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

#### South SW B1 @ 1' 0I23010-70 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perm	ian Basin E	nvironmen	tal Lab, I	P.				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		120 %	75-12	25	P0I3003	09/30/20	10/01/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-12	25	P0I3003	09/30/20	10/01/20	EPA 8021B	
General Chemistry Parameters by EF	PA / Standard Method	s							
Chloride	9.39	1.00	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C3	35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	35.6	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		103 %	70-13	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		108 %	70-13	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	35.6	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

> West SW B1 @ 1' 0I23010-71 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmen	tal Lab, I	P.				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		124 %	75-12	25	P0I3003	09/30/20	10/01/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.7 %	75-12	25	P0I3003	09/30/20	10/01/20	EPA 8021B	
General Chemistry Parameters by EF	PA / Standard Method	S							
Chloride	12.4	1.00	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C3	35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	44.2	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		103 %	70-1.	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		109 %	70-1.	80	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	44.2	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

#### South SW B2 @ 6" 0I23010-72 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin E	Environmen	tal Lab, I	P.				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-1.	25	P0I3009	09/30/20	10/01/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		121 %	75-1.	25	P0I3009	09/30/20	10/01/20	EPA 8021B	
<b>General Chemistry Parameters by EPA / St</b>	andard Method	ls							
Chloride	11.6	1.00	mg/kg dry	1	P0J0105	10/01/20	10/01/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by	EPA Method 80	015M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		95.3 %	70-1.	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		102 %	70-1.	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

East SW B2 @ 6" 0I23010-73 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmer	ıtal Lab, I	P.				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		123 %	75-1	25	P0I3009	09/30/20	10/01/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-1	25	P0I3009	09/30/20	10/01/20	EPA 8021B	
General Chemistry Parameters by EPA/	Standard Method	ls							
Chloride	4.76	1.00	mg/kg dry	1	P0J0105	10/01/20	10/01/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 b	y EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		101 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		108 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

#### North SW B2 @ 6" 0I23010-74 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Thayte						Trepared	7 Hary Zea	Method	110103
	Peri	mian Basin E	nvironmer	ital Lab, I	∠.P.				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		124 %	75-1	25	P0I3009	09/30/20	10/01/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-1	25	P0I3009	09/30/20	10/01/20	EPA 8021B	
<b>General Chemistry Parameters by EPA / Sta</b>	ndard Metho	ds							
Chloride	8.45	1.00	mg/kg dry	1	P0J0105	10/01/20	10/01/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by E	PA Method 80	015M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2505	09/25/20	09/25/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0I2505	09/25/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2505	09/25/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		87.8 %	70-1	30	P0I2505	09/25/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		95.3 %	70-1	30	P0I2505	09/25/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/25/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

West SW B2 @ 6" 0I23010-75 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perr	nian Basin F	Environmer	ıtal Lab, l	P.				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		119 %	75-1	25	P0I3009	09/30/20	10/01/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-1	25	P0I3009	09/30/20	10/01/20	EPA 8021B	
General Chemistry Parameters by EPA/	Standard Method	ls							
Chloride	6.57	1.00	mg/kg dry	1	P0J0105	10/01/20	10/01/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 b	oy EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2505	09/25/20	09/25/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0I2505	09/25/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2505	09/25/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		99.1 %	70-1	30	P0I2505	09/25/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		104 %	70-1	30	P0I2505	09/25/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/25/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

West SW A3 @ 6" 0123010-76 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Analyte	Result	LIIIII	Units	Dilution	Daten	Frepared	Anaryzeu	Method	Notes
	Perm	ian Basin E	Environmen	tal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		125 %	75-12	25	P0I3009	09/30/20	10/01/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-12	25	P0I3009	09/30/20	10/01/20	EPA 8021B	
General Chemistry Parameters by El	PA / Standard Method	S							
Chloride	3.37	1.00	mg/kg dry	1	P0J0105	10/01/20	10/01/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 801	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2505	09/25/20	09/25/20	TPH 8015M	
>C12-C28	40.1	25.0	mg/kg dry	1	P0I2505	09/25/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2505	09/25/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		89.2 %	70-13	30	P0I2505	09/25/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		92.2 %	70-13	80	P0I2505	09/25/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	40.1	25.0	mg/kg dry	1	[CALC]	09/25/20	09/25/20	calc	

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

Fax:

#### 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 P0I2309 - General Preparation (C	GC)									
Blank (P0I2309-BLK1)				Prepared: (	)9/23/20 Aı	nalyzed: 09	/24/20			
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	0.00210	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.3	75-125			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		96.0	75-125			
LCS (P0I2309-BS1)				Prepared &	Analyzed:	09/23/20				
Benzene	0.0889	0.00100	mg/kg wet	0.100	<u> </u>	88.9	70-130			
Toluene	0.0924	0.00100	"	0.100		92.4	70-130			
Ethylbenzene	0.101	0.00100	"	0.100		101	70-130			
Xylene (p/m)	0.191	0.00200	"	0.200		95.6	70-130			
Xylene (o)	0.105	0.00100	"	0.100		105	70-130			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.3	75-125			
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.2	75-125			
LCS Dup (P0I2309-BSD1)				Prepared: (	09/23/20 Aı	nalyzed: 09	/24/20			
Benzene	0.0863	0.00100	mg/kg wet	0.100		86.3	70-130	2.99	20	
Toluene	0.0863	0.00100	"	0.100		86.3	70-130	6.85	20	
Ethylbenzene	0.0946	0.00100	"	0.100		94.6	70-130	6.08	20	
Xylene (p/m)	0.182	0.00200	"	0.200		91.2	70-130	4.66	20	
Xylene (o)	0.0986	0.00100	"	0.100		98.6	70-130	6.18	20	
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		94.6	75-125			
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.4	75-125			
Calibration Check (P0I2309-CCV1)				Prepared &	Analyzed:	09/23/20				
Benzene	0.0886	0.00100	mg/kg wet	0.100		88.6	80-120			
Toluene	0.0914	0.00100	"	0.100		91.4	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.187	0.00200	"	0.200		93.7	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		90.9	75-125			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.9	75-125			

Permian Basin Environmental Lab, L.P.

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

#### 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
	Robuit	Zanit	Omo	Level	resuit	/VICEC	Diffico	III D	Limit	110103
Batch P0I2309 - General Preparation (GC)				D 1. (	00/22/20 +		N24/20			
Calibration Check (P0I2309-CCV2)	0.0026	0.00100			09/23/20 A1					
Benzene	0.0826 0.0819	0.00100 0.00100	mg/kg wet	0.100 0.100		82.6	80-120			
Toluene	0.0819	0.00100	,,	0.100		81.9	80-120 80-120			
Ethylbenzene Value (n/m)			,,			88.5				
Xylene (p/m)	0.165 0.0896	0.00200	,,	0.200		82.7	80-120			
Xylene (o)		0.00100		0.100		89.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.3	75-125			
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.6	75-125			
Calibration Check (P0I2309-CCV3)				Prepared: (	09/23/20 A1	nalyzed: 09	0/24/20			
Benzene	0.0919	0.00100	mg/kg wet	0.100		91.9	80-120			
Toluene	0.0882	0.00100	"	0.100		88.2	80-120			
Ethylbenzene	0.0956	0.00100	"	0.100		95.6	80-120			
Xylene (p/m)	0.181	0.00200	"	0.200		90.4	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.1	75-125			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.4	75-125			
Matrix Spike (P012309-MS1)	Sou	ırce: 0123008-	-21	Prepared: (	09/23/20 Aı	nalyzed: 09	0/24/20			
Benzene	0.0866	0.00114	mg/kg dry	0.114	ND	76.2	80-120			QM-0
Toluene	0.0785	0.00114	"	0.114	ND	69.1	80-120			QM-0
Ethylbenzene	0.0989	0.00114	"	0.114	ND	87.0	80-120			
Xylene (p/m)	0.165	0.00227	"	0.227	ND	72.4	80-120			QM-0
Xylene (o)	0.0844	0.00114	"	0.114	ND	74.3	80-120			QM-0
Surrogate: 1,4-Difluorobenzene	0.130		"	0.136		95.7	75-125			
Surrogate: 4-Bromofluorobenzene	0.133		"	0.136		97.4	75-125			
Matrix Spike Dup (P0I2309-MSD1)	Sou	ırce: 0123008-	-21	Prepared: (	09/23/20 A1	nalvzed: 09	0/24/20			
Benzene	0.0933	0.00114	mg/kg dry	0.114	ND	82.1	80-120	7.46	20	
Toluene	0.0851	0.00114	"	0.114	ND	74.9	80-120	8.10	20	QM-0
Ethylbenzene	0.107	0.00114	"	0.114	ND	94.0	80-120	7.73	20	
Xylene (p/m)	0.178	0.00227	"	0.227	ND	78.5	80-120	8.10	20	QM-0
Xylene (o)	0.0934	0.00114	"	0.114	ND	82.2	80-120	10.1	20	•
Surrogate: 1,4-Difluorobenzene	0.130		"	0.136		95.7	75-125			

Permian Basin Environmental Lab, L.P.

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

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

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

Blank (P0I2412-BLK1)				Prepared: 09/24/	20 Analyzed: 09	9/29/20			
Benzene	ND	0.00100	mg/kg wet						
Toluene	ND	0.00100	"						
Ethylbenzene	ND	0.00100	"						
Xylene (p/m)	ND	0.00200	"						
Xylene (o)	ND	0.00100	"						
Surrogate: 1,4-Difluorobenzene	0.110		"	0.120	91.4	75-125			
Surrogate: 4-Bromofluorobenzene	0.160		"	0.120	134	75-125			S-GO
LCS (P0I2412-BS1)				Prepared: 09/24/	20 Analyzed: 09	9/29/20			
Benzene	0.0934	0.00100	mg/kg wet	0.100	93.4	70-130			
Toluene	0.0925	0.00100	"	0.100	92.5	70-130			
Ethylbenzene	0.0938	0.00100	"	0.100	93.8	70-130			
Xylene (p/m)	0.202	0.00200	"	0.200	101	70-130			
Xylene (o)	0.118	0.00100	"	0.100	118	70-130			
Surrogate: 4-Bromofluorobenzene	0.151		"	0.120	126	75-125			S-GC
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120	98.4	75-125			
LCS Dup (P0I2412-BSD1)				Prepared: 09/24/	20 Analyzed: 09	9/29/20			
Benzene	0.0944	0.00100	mg/kg wet	0.100	94.4	70-130	1.05	20	
Toluene	0.0940	0.00100	"	0.100	94.0	70-130	1.61	20	
Ethylbenzene	0.0974	0.00100	"	0.100	97.4	70-130	3.85	20	
Xylene (p/m)	0.207	0.00200	"	0.200	104	70-130	2.50	20	
Xylene (o)	0.119	0.00100	"	0.100	119	70-130	0.929	20	
Surrogate: 4-Bromofluorobenzene	0.156		"	0.120	130	75-125			S-GC
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120	96.7	75-125			
Calibration Check (P0I2412-CCV1)				Prepared: 09/24/	20 Analyzed: 09	9/29/20			
Benzene	0.0903	0.00100	mg/kg wet	0.100	90.3	80-120			
Toluene	0.0903	0.00100	"	0.100	90.3	80-120			
Ethylbenzene	0.104	0.00100	"	0.100	104	80-120			
Xylene (p/m)	0.192	0.00200	"	0.200	96.2	80-120			
Xylene (o)	0.113	0.00100	"	0.100	113	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120	99.5	75-125			
Surrogate: 4-Bromofluorobenzene	0.150		"	0.120	125	75-125			

Permian Basin Environmental Lab, L.P.

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I2412 - General Preparation (GC)										
Calibration Check (P0I2412-CCV2)				Prepared:	09/24/20 An	nalyzed: 09	/29/20			
Benzene	0.0917	0.00100	mg/kg wet	0.100		91.7	80-120			
Toluene	0.0912	0.00100	"	0.100		91.2	80-120			
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120			
Xylene (p/m)	0.184	0.00200	"	0.200		92.0	80-120			
Xylene (o)	0.109	0.00100	"	0.100		109	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	75-125			
Surrogate: 4-Bromofluorobenzene	0.141		"	0.120		118	75-125			
Calibration Check (P0I2412-CCV3)				Prepared:	09/24/20 An	nalyzed: 09	/29/20			
Benzene	0.0899	0.00100	mg/kg wet	0.100		89.9	80-120			
Toluene	0.0900	0.00100	"	0.100		90.0	80-120			
Ethylbenzene	0.0980	0.00100	"	0.100		98.0	80-120			
Xylene (p/m)	0.178	0.00200	"	0.200		89.1	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	75-125			
Surrogate: 4-Bromofluorobenzene	0.140		"	0.120		116	75-125			
Matrix Spike (P0I2412-MS1)	Sou	ırce: 0123010-	-14	Prepared:	09/24/20 An	nalyzed: 09	/29/20			
Benzene	0.0793	0.00103	mg/kg dry	0.103	0.000948	76.0	80-120			QM-07
Toluene	0.0773	0.00103	"	0.103	0.00400	71.1	80-120			QM-07
Ethylbenzene	0.0890	0.00103	"	0.103	0.000670	85.7	80-120			
Xylene (p/m)	0.143	0.00206	"	0.206	0.00180	68.6	80-120			QM-07
Xylene (o)	0.0779	0.00103	"	0.103	ND	75.6	80-120			QM-07
Surrogate: 1,4-Difluorobenzene	0.125		"	0.124		101	75-125			
Surrogate: 4-Bromofluorobenzene	0.145		"	0.124		117	75-125			
Matrix Spike Dup (P0I2412-MSD1)	Sou	ırce: 0I23010-	-14	Prepared:	09/24/20 An	nalyzed: 09	/29/20			
Benzene	0.0784	0.00103	mg/kg dry	0.103	0.000948	75.1	80-120	1.19	20	QM-07
Toluene	0.0742	0.00103	"	0.103	0.00400	68.1	80-120	4.31	20	QM-07
Ethylbenzene	0.0845	0.00103	"	0.103	0.000670	81.4	80-120	5.18	20	
Xylene (p/m)	0.138	0.00206	"	0.206	0.00180	66.0	80-120	3.80	20	QM-07
Xylene (o)	0.0737	0.00103	"	0.103	ND	71.5	80-120	5.52	20	QM-07
Surrogate: 1,4-Difluorobenzene	0.124		"	0.124		100	75-125			
Surrogate: 4-Bromofluorobenzene	0.150		"	0.124		121	75-125			

Permian Basin Environmental Lab, L.P.

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

### 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 P0I2414 - General Preparation (GC)										

Blank (P0I2414-BLK1)				Prepared: 09/24/	20 Analyzed: 09	9/30/20			
Benzene	ND	0.00100	mg/kg wet	F					
Toluene	ND	0.00100	"						
Ethylbenzene	ND	0.00100	"						
Xylene (p/m)	ND	0.00200	"						
Xylene (o)	ND	0.00100	"						
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120	94.9	75-125			
Surrogate: 4-Bromofluorobenzene	0.156		"	0.120	130	75-125			S-GO
LCS (P0I2414-BS1)				Prepared: 09/24/	20 Analyzed: 09	9/29/20			
Benzene	0.0896	0.00100	mg/kg wet	0.100	89.6	70-130			
Toluene	0.0883	0.00100	"	0.100	88.3	70-130			
Ethylbenzene	0.0883	0.00100	"	0.100	88.3	70-130			
Xylene (p/m)	0.182	0.00200	"	0.200	91.2	70-130			
Xylene (o)	0.106	0.00100	"	0.100	106	70-130			
Surrogate: 4-Bromofluorobenzene	0.145		"	0.120	121	75-125			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120	100	75-125			
LCS Dup (P0I2414-BSD1)				Prepared: 09/24/	20 Analyzed: 09	9/29/20			
Benzene	0.0834	0.00100	mg/kg wet	0.100	83.4	70-130	7.25	20	
Toluene	0.0811	0.00100	"	0.100	81.1	70-130	8.50	20	
Ethylbenzene	0.0877	0.00100	"	0.100	87.7	70-130	0.693	20	
Xylene (p/m)	0.170	0.00200	"	0.200	85.1	70-130	6.93	20	
Xylene (o)	0.0982	0.00100	"	0.100	98.2	70-130	8.02	20	
Surrogate: 4-Bromofluorobenzene	0.148		"	0.120	123	75-125			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120	100	75-125			
Calibration Check (P0I2414-CCV1)				Prepared: 09/24/	20 Analyzed: 09	9/29/20			
Benzene	0.0899	0.00100	mg/kg wet	0.100	89.9	80-120			
Toluene	0.0900	0.00100	"	0.100	90.0	80-120			
Ethylbenzene	0.0980	0.00100	"	0.100	98.0	80-120			
Xylene (p/m)	0.178	0.00200	"	0.200	89.1	80-120			
Xylene (o)	0.107	0.00100	"	0.100	107	80-120			
Surrogate: 4-Bromofluorobenzene	0.140		"	0.120	116	75-125			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120	103	75-125			

Permian Basin Environmental Lab, L.P.

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

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

	D 1.	Reporting	TT 1:	Spike	Source	0/BEC	%REC	DPD	RPD	NT ·
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I2414 - General Preparation (GC)										
Calibration Check (P0I2414-CCV2)				Prepared:	09/24/20 Ar	nalyzed: 09	/30/20			
Benzene	0.0927	0.00100	mg/kg wet	0.100		92.7	80-120			
Toluene	0.0867	0.00100	"	0.100		86.7	80-120			
Ethylbenzene	0.0970	0.00100	"	0.100		97.0	80-120			
Xylene (p/m)	0.183	0.00200	"	0.200		91.6	80-120			
Xylene (o)	0.110	0.00100	"	0.100		110	80-120			
Surrogate: 4-Bromofluorobenzene	0.153		"	0.120		127	75-125			S-GO
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.2	75-125			
Calibration Check (P0I2414-CCV3)				Prepared:	09/24/20 Ar	nalyzed: 09	/30/20			
Benzene	0.0900	0.00100	mg/kg wet	0.100		90.0	80-120			
Toluene	0.0868	0.00100	"	0.100		86.8	80-120			
Ethylbenzene	0.0957	0.00100	"	0.100		95.7	80-120			
Xylene (p/m)	0.178	0.00200	"	0.200		88.8	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 4-Bromofluorobenzene	0.148		"	0.120		124	75-125			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		98.8	75-125			
Matrix Spike (P0I2414-MS1)	Sou	rce: 0I23010-	-34	Prepared:	09/24/20 Ar	nalyzed: 09	/30/20			
Benzene	0.0714	0.00104	mg/kg dry	0.104	0.00526	63.5	80-120			QM-07
Toluene	0.0575	0.00104	"	0.104	0.00545	50.0	80-120			QM-07
Ethylbenzene	0.0559	0.00104	"	0.104	0.000583	53.1	80-120			QM-07
Xylene (p/m)	0.0931	0.00208	"	0.208	0.00130	44.0	80-120			QM-07
Xylene (o)	0.0454	0.00104	"	0.104	ND	43.6	80-120			QM-07
Surrogate: 1,4-Difluorobenzene	0.125		"	0.125		99.8	75-125			
Surrogate: 4-Bromofluorobenzene	0.152		"	0.125		122	75-125			
Matrix Spike Dup (P0I2414-MSD1)	Sou	rce: 0I23010-	-34	Prepared:	09/24/20 Ar	nalyzed: 09	/30/20			
Benzene	0.0704	0.00104	mg/kg dry	0.104	0.00526	62.5	80-120	1.57	20	QM-0
Toluene	0.0523	0.00104	"	0.104	0.00545	45.0	80-120	10.5	20	QM-0
Ethylbenzene	0.0472	0.00104	"	0.104	0.000583	44.7	80-120	17.2	20	QM-0
Xylene (p/m)	0.0789	0.00208	"	0.208	0.00130	37.3	80-120	16.7	20	QM-0
Xylene (o)	0.0371	0.00104	"	0.104	ND	35.6	80-120	20.2	20	QM-07
Surrogate: 4-Bromofluorobenzene	0.152		"	0.125		122	75-125			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.125		96.8	75-125			

Permian Basin Environmental Lab, L.P.

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

### 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 P0I3003 - General Preparat					1100011	,,,,,	2	10.5		110100
batch Fulsuus - General Freparat	ion (GC)									

Blank (P0I3003-BLK1)				Prepared & Anal	yzed: 09/30/20				
Benzene	ND	0.00100	mg/kg wet						
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	75-125			
Surrogate: 4-Bromofluorobenzene	0.153		"	0.120	128	75-125			S-GC
LCS (P0I3003-BS1)				Prepared & Anal	yzed: 09/30/20				
Benzene	0.0908	0.00100	mg/kg wet	0.100	90.8	70-130			
Toluene	0.0885	0.00100	"	0.100	88.5	70-130			
Ethylbenzene	0.0932	0.00100	"	0.100	93.2	70-130			
Xylene (p/m)	0.194	0.00200	"	0.200	97.0	70-130			
Xylene (o)	0.112	0.00100	"	0.100	112	70-130			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120	97.1	75-125			
Surrogate: 4-Bromofluorobenzene	0.155		"	0.120	129	75-125			S-GC
LCS Dup (P0I3003-BSD1)				Prepared & Anal	yzed: 09/30/20				
Benzene	0.0812	0.00100	mg/kg wet	0.100	81.2	70-130	11.2	20	
Toluene	0.0814	0.00100	"	0.100	81.4	70-130	8.45	20	
Ethylbenzene	0.0907	0.00100	"	0.100	90.7	70-130	2.75	20	
Xylene (p/m)	0.173	0.00200	"	0.200	86.6	70-130	11.4	20	
Xylene (o)	0.0982	0.00100	"	0.100	98.2	70-130	13.0	20	
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120	98.3	75-125			
Surrogate: 4-Bromofluorobenzene	0.148		"	0.120	123	75-125			
Calibration Check (P0I3003-CCV1)				Prepared & Anal	yzed: 09/30/20				
Benzene	0.0838	0.00100	mg/kg wet	0.100	83.8	80-120			
Toluene	0.0816	0.00100	"	0.100	81.6	80-120			
Ethylbenzene	0.0909	0.00100	"	0.100	90.9	80-120			
Xylene (p/m)	0.172	0.00200	"	0.200	86.2	80-120			
Xylene (o)	0.100	0.00100	"	0.100	100	80-120			
Surrogate: 4-Bromofluorobenzene	0.149		"	0.120	124	75-125			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120	97.2	75-125			

Permian Basin Environmental Lab, L.P.

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I3003 - General Preparation (GC)										
Calibration Check (P0I3003-CCV2)				Prepared &	analyzed:	09/30/20				
Benzene	0.0882	0.00100	mg/kg wet	0.100		88.2	80-120			
Toluene	0.0826	0.00100	"	0.100		82.6	80-120			
Ethylbenzene	0.0947	0.00100	"	0.100		94.7	80-120			
Xylene (p/m)	0.180	0.00200	"	0.200		89.8	80-120			
Xylene (o)	0.110	0.00100	"	0.100		110	80-120			
Surrogate: 4-Bromofluorobenzene	0.154		"	0.120		128	75-125			S-GO
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.4	75-125			
Calibration Check (P0I3003-CCV3)				Prepared: (	09/30/20 At	nalyzed: 10	/01/20			
Benzene	0.0900	0.00100	mg/kg wet	0.100		90.0	80-120			
Toluene	0.0883	0.00100	"	0.100		88.3	80-120			
Ethylbenzene	0.0994	0.00100	"	0.100		99.4	80-120			
Xylene (p/m)	0.175	0.00200	"	0.200		87.3	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.7	75-125			
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.7	75-125			
Matrix Spike (P0I3003-MS1)	Sou	ırce: 0130006-	-01	Prepared: (	09/30/20 Aı	nalyzed: 10	/01/20			
Benzene	0.257	0.00149	mg/kg dry	0.149	0.385	NR	80-120			QM-07
Toluene	0.353	0.00149	"	0.149	2.86	NR	80-120			QM-07
Ethylbenzene	0.536	0.00149	"	0.149	7.49	NR	80-120			QM-07
Xylene (p/m)	1.15	0.00299	"	0.299	13.5	NR	80-120			QM-07
Xylene (o)	0.420	0.00149	"	0.149	8.47	NR	80-120			QM-07
Surrogate: 4-Bromofluorobenzene	0.0885		"	0.179		49.4	75-125			S-GO
Surrogate: 1,4-Difluorobenzene	0.171		"	0.179		95.6	75-125			
Matrix Spike Dup (P0I3003-MSD1)	Sou	rce: 0130006-	-01	Prepared: (	09/30/20 Ai	nalyzed: 10	/01/20			
Benzene	0.251	0.00149	mg/kg dry	0.149	0.385	NR	80-120	NR	20	QM-07
Toluene	0.360	0.00149	"	0.149	2.86	NR	80-120	NR	20	QM-07
Ethylbenzene	0.741	0.00149	"	0.149	7.49	NR	80-120	NR	20	QM-07
Xylene (p/m)	1.15	0.00299	"	0.299	13.5	NR	80-120	NR	20	QM-07
Xylene (o)	0.434	0.00149	"	0.149	8.47	NR	80-120	NR	20	QM-07
Surrogate: 4-Bromofluorobenzene	0.0986		"	0.179		55.1	75-125			S-GO
Surrogate: 1,4-Difluorobenzene	0.186		"	0.179		104	75-125			

Permian Basin Environmental Lab, L.P.

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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#### 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 P0I3009 - General Preparation (GC)	1100011	Ziiiii	- Chito	Zevei	result	7,5140	Zimito	10.0	Zanik	1.0.05

Blank (P0I3009-BLK1)				Prepared: 09/30/	20 Analyzed: 10	0/01/20			
Benzene	ND	0.00100	mg/kg wet						
Toluene	ND	0.00100	"						
Ethylbenzene	ND	0.00100	"						
Xylene (p/m)	ND	0.00200	"						
Xylene (o)	ND	0.00100	"						
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120	101	75-125			
Surrogate: 4-Bromofluorobenzene	0.139		"	0.120	116	75-125			
LCS (P0I3009-BS1)				Prepared: 09/30/	20 Analyzed: 10	0/01/20			
Benzene	0.0912	0.00100	mg/kg wet	0.100	91.2	70-130			
Toluene	0.0886	0.00100	"	0.100	88.6	70-130			
Ethylbenzene	0.0970	0.00100	"	0.100	97.0	70-130			
Xylene (p/m)	0.193	0.00200	"	0.200	96.7	70-130			
Xylene (o)	0.111	0.00100	"	0.100	111	70-130			
Surrogate: 4-Bromofluorobenzene	0.159		"	0.120	132	75-125			S-G
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120	97.6	75-125			
LCS Dup (P0I3009-BSD1)				Prepared: 09/30/	20 Analyzed: 10	0/01/20			
Benzene	0.0828	0.00100	mg/kg wet	0.100	82.8	70-130	9.66	20	
Toluene	0.0833	0.00100	"	0.100	83.3	70-130	6.21	20	
Ethylbenzene	0.0925	0.00100	"	0.100	92.5	70-130	4.78	20	
Xylene (p/m)	0.171	0.00200	"	0.200	85.7	70-130	12.0	20	
Xylene (o)	0.100	0.00100	"	0.100	100	70-130	10.0	20	
Surrogate: 4-Bromofluorobenzene	0.145		"	0.120	121	75-125			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120	102	75-125			
Calibration Check (P0I3009-CCV1)				Prepared: 09/30/	20 Analyzed: 10	0/01/20			
Benzene	0.0900	0.00100	mg/kg wet	0.100	90.0	80-120			
Toluene	0.0883	0.00100	"	0.100	88.3	80-120			
Ethylbenzene	0.0994	0.00100	"	0.100	99.4	80-120			
Xylene (p/m)	0.175	0.00200	"	0.200	87.3	80-120			
Xylene (o)	0.101	0.00100	"	0.100	101	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120	96.7	75-125			
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120	96.7	75-125			

Permian Basin Environmental Lab, L.P.

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I3009 - General Preparation (GC)										
Calibration Check (P0I3009-CCV2)				Prepared: (	09/30/20 A	nalyzed: 10	/01/20			
Benzene	0.0876	0.00100	mg/kg wet	0.100		87.6	80-120			
Toluene	0.0861	0.00100	"	0.100		86.1	80-120			
Ethylbenzene	0.0966	0.00100	"	0.100		96.6	80-120			
Xylene (p/m)	0.177	0.00200	"	0.200		88.4	80-120			
Xylene (o)	0.105	0.00100	"	0.100		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		99.8	75-125			
Surrogate: 4-Bromofluorobenzene	0.146		"	0.120		121	75-125			
Calibration Check (P0I3009-CCV3)				Prepared: (	09/30/20 A	nalyzed: 10	/01/20			
Benzene	0.0852	0.00100	mg/kg wet	0.100		85.2	80-120			
Toluene	0.0873	0.00100	"	0.100		87.3	80-120			
Ethylbenzene	0.0952	0.00100	"	0.100		95.2	80-120			
Xylene (p/m)	0.171	0.00200	"	0.200		85.4	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 4-Bromofluorobenzene	0.138		"	0.120		115	75-125			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	75-125			
Matrix Spike (P0I3009-MS1)	Sou	ırce: 0123010-	-72	Prepared: (	09/30/20 A	nalyzed: 10	/01/20			
Benzene	0.0774	0.00100	mg/kg dry	0.100	ND	77.4	80-120			QM-07
Toluene	0.0763	0.00100	"	0.100	ND	76.3	80-120			QM-07
Ethylbenzene	0.0832	0.00100	"	0.100	ND	83.2	80-120			
Xylene (p/m)	0.132	0.00200	"	0.200	ND	66.2	80-120			QM-07
Xylene (o)	0.0729	0.00100	"	0.100	ND	72.9	80-120			QM-07
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		105	75-125			
Surrogate: 4-Bromofluorobenzene	0.146		"	0.120		122	75-125			
Matrix Spike Dup (P0I3009-MSD1)	Sou	ırce: 0I23010-	-72	Prepared: (	09/30/20 A	nalyzed: 10	/01/20			
Benzene	0.0715	0.00100	mg/kg dry	0.100	ND	71.5	80-120	7.94	20	QM-07
Toluene	0.0726	0.00100	"	0.100	ND	72.6	80-120	5.00	20	QM-07
Ethylbenzene	0.0781	0.00100	"	0.100	ND	78.1	80-120	6.30	20	QM-07
Xylene (p/m)	0.125	0.00200	"	0.200	ND	62.3	80-120	6.18	20	QM-07
Xylene (o)	0.0687	0.00100	"	0.100	ND	68.7	80-120	5.96	20	QM-07
Surrogate: 4-Bromofluorobenzene	0.137		"	0.120		115	75-125			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		99.6	75-125			

Permian Basin Environmental Lab, L.P.

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

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Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC	RPD	RPD Limit	Notes
- Acount	Limit	Omto	- Level	- ICOUIT	701000	Limis		Limit	110103
			Prepared &	Analyzed:	09/24/20				
ND	0.1	%							
			Prepared &	Analyzed:	09/24/20				
ND	0.1	%							
			Prepared &	Analyzed:	09/24/20				
ND	0.1	%							
			Prepared &	Analyzed:	09/24/20				
ND	0.1	%							
Sour	rce: 0I23010-1	0	Prepared &	Analyzed:	09/24/20				
5.0	0.1	%		5.0			0.00	20	
Sour	rce: 0I23010-2	0	Prepared &	Analyzed:	09/24/20				
4.0	0.1	%		4.0			0.00	20	
Sour	ce: 0I23010-3	5	Prepared &	Analyzed:	09/24/20				
2.0	0.1	%		2.0			0.00	20	
Sour	ce: 0I23010-4	5	Prepared &	Analyzed:	09/24/20				
1.0	0.1	%		ND			200	20	
Sour	rce: 0123010-6	0	Prepared &	Analyzed:	09/24/20				
ND	0.1	%		1.0			200	20	
Sour	rce: 0I23010-7	0	Prepared &	Analyzed:	09/24/20				
	ND  ND  Sour  5.0  Sour  4.0  Sour  1.0  Sour	ND	ND	ND   0.1   %   Prepared &	ND	ND	ND	ND	ND

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0I2805 - *** DEFAULT PREP ***										
Blank (P0I2805-BLK1)				Prepared &	: Analyzed:	09/28/20				
Chloride	ND	1.00	mg/kg wet							
LCS (P0I2805-BS1)				Prepared &	: Analyzed:	09/28/20				
Chloride	398	1.00	mg/kg wet	400		99.6	80-120			
LCS Dup (P0I2805-BSD1)				Prepared &	: Analyzed:	09/28/20				
Chloride	397	1.00	mg/kg wet	400		99.4	80-120	0.201	20	
Calibration Blank (P0I2805-CCB2)				Prepared &	: Analyzed:	09/28/20				
Chloride	0.00		mg/kg wet	•	•					
Calibration Check (P0I2805-CCV1)				Prepared &	: Analyzed:	09/28/20				
Chloride	19.8		mg/kg	20.0	•	98.9	0-200			
Calibration Check (P0I2805-CCV2)				Prepared &	: Analyzed:	09/28/20				
Chloride	19.9		mg/kg	20.0		99.7	0-200			
Calibration Check (P0I2805-CCV3)				Prepared &	: Analyzed:	09/28/20				
Chloride	19.9		mg/kg	20.0		99.7	0-200			
Matrix Spike (P012805-MS1)	Sou	rce: 0123008	-19	Prepared &	: Analyzed:	09/28/20				
Chloride	910	5.75	mg/kg dry	575	286	109	80-120			
Matrix Spike (P0I2805-MS2)	Sou	rce: 0I23010	-02	Prepared &	: Analyzed:	09/28/20				
Chloride	527		mg/kg dry	526	9.18	98.3	80-120			
Matrix Spike Dup (P0I2805-MSD1)	Sou	rce: 0123008	-19	Prepared &	: Analyzed:	09/28/20				
Chloride	881		mg/kg dry	575	286	104	80-120	3.18	20	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075 Midland TX, 79707 Project Manager: Sylwia Reynolds

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Marye	Result	Lillit	Cilits	Level	Result	/UKEC	Lillits	KiD	Dillit	110103
Batch P0I2805 - *** DEFAULT PREP ***										
Matrix Spike Dup (P0I2805-MSD2)	Sour	ce: 0I23010-	-02	Prepared &	Analyzed:	09/28/20				
Chloride	516	1.05	mg/kg dry	526	9.18	96.3	80-120	2.07	20	
Batch P0I2903 - *** DEFAULT PREP ***										
Blank (P0I2903-BLK1)				Prepared: (	09/29/20 A	nalyzed: 10	0/01/20			
Chloride	ND	1.00	mg/kg wet	-		-				
LCS (P012903-BS1)				Prepared: (	09/29/20 A	nalyzed: 09	0/30/20			
Chloride	394	1.00	mg/kg wet	400		98.6	80-120			
LCS Dup (P0I2903-BSD1)				Prepared: (	09/29/20 A	nalyzed: 09	0/30/20			
Chloride	396	1.00	mg/kg wet	400		99.1	80-120	0.486	20	
Calibration Check (P0I2903-CCV1)				Prepared: (	09/29/20 A	nalyzed: 09	0/30/20			
Chloride	20.1		mg/kg	20.0		101	0-200			
Calibration Check (P0I2903-CCV2)				Prepared: (	09/29/20 A	nalyzed: 09	0/30/20			
Chloride	22.0		mg/kg	20.0		110	0-200			
Matrix Spike (P0I2903-MS1)	Sour	ce: 0I23010-	-12	Prepared: (	09/29/20 A	nalyzed: 09	0/30/20			
Chloride	504	1.02	mg/kg dry	510	2.87	98.3	80-120			
Matrix Spike (P0I2903-MS2)	Sour	ce: 0I23010-	-22	Prepared: (	09/29/20 A	nalyzed: 09	0/30/20			
Chloride	58.4	1.02	mg/kg dry	51.0	7.51	99.8	80-120			
Matrix Spike Dup (P0I2903-MSD1)	Soui	ce: 0I23010-	-12	Prepared: (	09/29/20 A	nalyzed: 09	0/30/20			
Chloride	491	1.02	mg/kg dry	510	2.87	95.7	80-120	2.63	20	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075 Midland TX, 79707 Project Manager: Sylwia Reynolds

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I2903 - *** DEFAULT PREP ***										
Matrix Spike Dup (P0I2903-MSD2)	Sou	rce: 0I23010-	22	Prepared: (	09/29/20 A	nalyzed: 09	9/30/20			
Chloride	55.9	1.02	mg/kg dry	51.0	7.51	94.8	80-120	4.50	20	
Batch P0I2904 - *** DEFAULT PREP ***										
Blank (P0I2904-BLK1)				Prepared: (	09/29/20 A	nalyzed: 09	9/30/20			
Chloride	ND	1.00	mg/kg wet							
LCS (P012904-BS1)				Prepared: (	09/29/20 A	nalyzed: 09	9/30/20			
Chloride	455	1.00	mg/kg wet	420		108	80-120			
LCS Dup (P0I2904-BSD1)				Prepared: (	09/29/20 A	nalyzed: 09	9/30/20			
Chloride	484	1.00	mg/kg wet	420		115	80-120	6.37	20	
Calibration Check (P0I2904-CCV1)				Prepared: (	09/29/20 A	nalyzed: 09	0/30/20			
Chloride	20.6		mg/kg	20.0		103	0-200			
Calibration Check (P0I2904-CCV2)				Prepared: (	09/29/20 A	nalyzed: 10	0/01/20			
Chloride	20.4		mg/kg	20.0		102	0-200			
Calibration Check (P0I2904-CCV3)				Prepared: (	09/29/20 A	nalyzed: 10	0/01/20			
Chloride	21.1		mg/kg	20.0		106	0-200			
Matrix Spike (P0I2904-MS1)	Sou	rce: 0I23010-	32	Prepared: (	09/29/20 A	nalyzed: 09	0/30/20			
Chloride	52.6	1.04	mg/kg dry	52.1	3.66	93.9	80-120			
Matrix Spike (P0I2904-MS2)	Sou	rce: 0I23010-	42	Prepared: (	09/29/20 A	nalyzed: 10	0/01/20			
Chloride	52.3	1.00	mg/kg dry	50.0	3.66	97.3	80-120			

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

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		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I2904 - *** DEFAULT PREP ***										
Matrix Spike Dup (P0I2904-MSD1)	Sou	rce: 0I23010-	-32	Prepared: (	09/29/20 A	nalyzed: 10	/01/20			
Chloride	86.1	1.04	mg/kg dry	52.1	3.66	158	80-120	48.4	20	QM-05
Matrix Spike Dup (P0I2904-MSD2)	Sou	rce: 0I23010-	-42	Prepared: (	09/29/20 A	nalyzed: 10	/01/20			
Chloride	58.3	1.00	mg/kg dry	50.0	3.66	109	80-120	10.9	20	
Batch P0I2906 - *** DEFAULT PREP ***										
Blank (P0I2906-BLK1)				Prepared &	Analyzed:	09/29/20				
Chloride	ND	1.00	mg/kg wet							
LCS (P0I2906-BS1)				Prepared &	Analyzed:	09/29/20				
Chloride	403	1.00	mg/kg wet	400		101	80-120			
Calibration Check (P0I2906-CCV1)				Prepared &	Analyzed:	09/29/20				
Chloride	20.0		mg/kg	20.0	•	100	0-200			
Calibration Check (P0I2906-CCV2)				Prepared &	Analyzed:	09/29/20				
Chloride	20.2		mg/kg	20.0		101	0-200			
Matrix Spike (P0I2906-MS1)	Sou	rce: 0I23010-	-52	Prepared &	Analyzed:	09/29/20				
Chloride	50.7	1.00	mg/kg dry	50.0	4.61	92.1	80-120			
Matrix Spike (P0I2906-MS2)	Sou	rce: 0I23010-	-62	Prepared &	Analyzed:	09/29/20				
Chloride	54.4	1.00	mg/kg dry	50.0	7.96	92.9	80-120			
Matrix Spike Dup (P0I2906-MSD1)	Sou	rce: 0I23010-	-52	Prepared &	z Analyzed:	09/29/20				
Chloride	49.6	1.00	mg/kg dry	50.0	4.61	90.1	80-120	2.07	20	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

		Domonti		Cuiles	Source		%REC		RPD	
Analyte	Result	Reporting Limit	Units	Spike Level	Result	%REC	%REC Limits	RPD	Limit	Notes
Batch P0I2906 - *** DEFAULT PREP ***										
Matrix Spike Dup (P0I2906-MSD2)	Sou	rce: 0I23010-	-62	Prepared &	: Analyzed:	09/29/20				
Chloride	51.5	1.00	mg/kg dry	50.0	7.96	87.1	80-120	5.51	20	
Batch P0J0105 - *** DEFAULT PREP ***										
Blank (P0J0105-BLK1)				Prepared &	Analyzed:	10/01/20				
Chloride	ND	1.00	mg/kg wet							
LCS (P0J0105-BS1)				Prepared &	Analyzed:	10/01/20				
Chloride	389	1.00	mg/kg wet	400		97.3	80-120			
LCS Dup (P0J0105-BSD1)				Prepared &	: Analyzed:	10/01/20				
Chloride	385	1.00	mg/kg wet	400		96.4	80-120	1.01	20	
Calibration Blank (P0J0105-CCB1)				Prepared &	: Analyzed:	10/01/20				
Chloride	0.00		mg/kg wet							
Calibration Check (P0J0105-CCV1)				Prepared &	: Analyzed:	10/01/20				
Chloride	20.1		mg/kg	20.0		100	0-200			
Calibration Check (P0J0105-CCV2)				Prepared &	: Analyzed:	10/01/20				
Chloride	19.4		mg/kg	20.0		96.9	0-200			
Calibration Check (P0J0105-CCV3)				Prepared &	: Analyzed:	10/01/20				
Chloride	20.2		mg/kg	20.0		101	0-200			
Matrix Spike (P0J0105-MS1)	Sou	rce: 0I23010-	-72	Prepared: 1	0/01/20 A	nalyzed: 10	/02/20			
Chloride	497	1.00	mg/kg dry	500	11.6	97.1	80-120			

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Sylwia Reynolds

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Analyte	Result	Reporting Limit Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
	Result	Danie Onio	Level	resurt	, undec	Limits	МЪ	Ziiiit	113163
Batch P0J0105 - *** DEFAULT PREP ***									
Matrix Spike (P0J0105-MS2)	Sourc	e: 0125009-03	Prepared &	k Analyzed:	10/01/20				
Chloride	7950	25.3 mg/kg dry	2530	5320	104	80-120			
Matrix Spike Dup (P0J0105-MSD1)	Sourc	ee: 0I23010-72	Prepared: 1	10/01/20 A	nalyzed: 10	/02/20			
Chloride	490	1.00 mg/kg dry	500	11.6	95.8	80-120	1.34	20	
Matrix Spike Dup (P0J0105-MSD2)	Sourc	ee: 0125009-03	Prepared &	ն Analyzed:	10/01/20				
Chloride	8030	25.3 mg/kg dry	2530	5320	107	80-120	0.996	20	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Sylwia Reynolds

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 P0I2311 - TX 1005										
Blank (P012311-BLK1)				Proporad: (	09/23/20 Aı	nolyzadi 00	1/24/20			
C6-C12	ND	25.0	mg/kg wet	riepaieu.	J9/23/20 A	naryzeu. 09	724/20			
>C12-C28	ND	25.0	mg/kg wet							
>C12-C26 >C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	80.3		"	100		80.3	70-130			
Surrogate: o-Terphenyl	46.0		"	50.0		92.0	70-130			
LCS (P0I2311-BS1)				Prepared: (	09/23/20 Aı	nalyzed: 09	/24/20			
C6-C12	797	25.0	mg/kg wet	1000		79.7	75-125			
>C12-C28	932	25.0	"	1000		93.2	75-125			
Surrogate: 1-Chlorooctane	98.8		"	100		98.8	70-130			
Surrogate: o-Terphenyl	47.4		"	50.0		94.8	70-130			
LCS Dup (P0I2311-BSD1)				Prepared: (	09/23/20 Aı	nalyzed: 09	/24/20			
C6-C12	789	25.0	mg/kg wet	1000		78.9	75-125	0.966	20	
>C12-C28	986	25.0	"	1000		98.6	75-125	5.67	20	
Surrogate: 1-Chlorooctane	107		"	100		107	70-130			
Surrogate: o-Terphenyl	51.3		"	50.0		103	70-130			
Calibration Check (P0I2311-CCV1)				Prepared: (	09/23/20 Ai	nalyzed: 09	/24/20			
C6-C12	437	25.0	mg/kg wet	500		87.5	85-115			
>C12-C28	436	25.0	"	500		87.2	85-115			
Surrogate: 1-Chlorooctane	78.4		"	100		78.4	70-130			
Surrogate: o-Terphenyl	39.6		"	50.0		79.1	70-130			
Calibration Check (P0I2311-CCV2)				Prepared: (	09/23/20 At	nalyzed: 09	/24/20			
C6-C12	433	25.0	mg/kg wet	500		86.7	85-115			
>C12-C28	488	25.0	"	500		97.6	85-115			
Surrogate: 1-Chlorooctane	89.9		"	100		89.9	70-130			
Surrogate: o-Terphenyl	44.4		"	50.0		88.9	70-130			

Permian Basin Environmental Lab, L.P.

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Sylwia Reynolds

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I2311 - TX 1005										
Calibration Check (P0I2311-CCV3)				Prepared: (	09/23/20 A	nalyzed: 09	/24/20			
C6-C12	453	25.0	mg/kg wet	500		90.7	85-115			
>C12-C28	525	25.0	"	500		105	85-115			
Surrogate: 1-Chlorooctane	93.9		"	100		93.9	70-130			
Surrogate: o-Terphenyl	46.7		"	50.0		93.3	70-130			
Matrix Spike (P0I2311-MS1)	Sou	rce: 0I23010	-13	Prepared: (	09/23/20 A	nalyzed: 09	/24/20			
C6-C12	917	25.8	mg/kg dry	1030	15.8	87.4	75-125			
>C12-C28	1170	25.8	"	1030	ND	114	75-125			
Surrogate: 1-Chlorooctane	109		"	103		105	70-130			
Surrogate: o-Terphenyl	46.2		"	51.5		89.6	70-130			
Matrix Spike Dup (P0I2311-MSD1)	Sou	rce: 0123010	-13	Prepared: (	09/23/20 A	nalyzed: 09	/24/20			
C6-C12	906	25.8	mg/kg dry	1030	15.8	86.3	75-125	1.26	20	
>C12-C28	1140	25.8	"	1030	ND	111	75-125	2.87	20	
Surrogate: 1-Chlorooctane	107		"	103		104	70-130			
Surrogate: o-Terphenyl	45.4		"	51.5		88.1	70-130			
Batch P0I2405 - TX 1005										
Blank (P0I2405-BLK1)				Prepared &	& Analyzed:	09/24/20				
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	71.5		"	100		71.5	70-130			
Surrogate: o-Terphenyl	39.4		"	50.0		78.9	70-130			
LCS (P0I2405-BS1)				Prepared &	& Analyzed:	09/24/20				
C6-C12	759	25.0	mg/kg wet	1000		75.9	75-125	<u> </u>		
>C12-C28	940	25.0	"	1000		94.0	75-125			
Surrogate: 1-Chlorooctane	90.8		"	100		90.8	70-130			
Surrogate: o-Terphenyl	39.2		"	50.0		78.3	70-130			

Permian Basin Environmental Lab, L.P.

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Sylwia Reynolds

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I2405 - TX 1005										
LCS Dup (P0I2405-BSD1)				Prepared &	analyzed:	09/24/20				
C6-C12	785	25.0	mg/kg wet	1000		78.5	75-125	3.37	20	
>C12-C28	952	25.0	"	1000		95.2	75-125	1.31	20	
Surrogate: 1-Chlorooctane	92.9		"	100		92.9	70-130			
Surrogate: o-Terphenyl	40.0		"	50.0		80.0	70-130			
Calibration Check (P0I2405-CCV1)				Prepared &	z Analyzed:	09/24/20				
C6-C12	426	25.0	mg/kg wet	500		85.1	85-115			
>C12-C28	505	25.0	"	500		101	85-115			
Surrogate: 1-Chlorooctane	85.9		"	100		85.9	70-130			
Surrogate: o-Terphenyl	40.7		"	50.0		81.5	70-130			
Calibration Check (P0I2405-CCV2)				Prepared &	z Analyzed:	09/24/20				
C6-C12	438	25.0	mg/kg wet	500		87.5	85-115			
>C12-C28	499	25.0	"	500		99.7	85-115			
Surrogate: 1-Chlorooctane	87.5		"	100		87.5	70-130			
Surrogate: o-Terphenyl	41.7		"	50.0		83.4	70-130			
Matrix Spike (P012405-MS1)	Sour	rce: 0123010	-20	Prepared: (	09/24/20 At	nalyzed: 09	/25/20			
C6-C12	856	26.0	mg/kg dry	1040	12.6	81.0	75-125			
>C12-C28	1000	26.0	"	1040	25.4	93.8	75-125			
Surrogate: 1-Chlorooctane	102		"	104		97.6	70-130			
Surrogate: o-Terphenyl	47.0		"	52.1		90.3	70-130			
Matrix Spike Dup (P0I2405-MSD1)	Sou	rce: 0123010	-20	Prepared: (	09/24/20 A	nalyzed: 09	/25/20			
C6-C12	906	26.0	mg/kg dry	1040	12.6	85.7	75-125	5.67	20	
>C12-C28	1090	26.0	"	1040	25.4	103	75-125	8.99	20	
Surrogate: 1-Chlorooctane	106		"	104		102	70-130			
Surrogate: o-Terphenyl	46.1		"	52.1		88.4	70-130			

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I2406 - TX 1005										
Blank (P0I2406-BLK1)				Prepared &	Analyzed:	09/24/20				
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	82.6		"	100		82.6	70-130			
Surrogate: o-Terphenyl	41.6		"	50.0		83.2	70-130			
LCS (P0I2406-BS1)				Prepared &	Analyzed:	09/24/20				
C6-C12	828	25.0	mg/kg wet	1000		82.8	75-125			
>C12-C28	920	25.0	"	1000		92.0	75-125			
Surrogate: 1-Chlorooctane	103		"	100		103	70-130			
Surrogate: o-Terphenyl	41.9		"	50.0		83.7	70-130			
LCS Dup (P012406-BSD1)				Prepared &	Analyzed:	09/24/20				
C6-C12	856	25.0	mg/kg wet	1000		85.6	75-125	3.29	20	
>C12-C28	938	25.0	"	1000		93.8	75-125	1.87	20	
Surrogate: 1-Chlorooctane	92.2		"	100		92.2	70-130			
Surrogate: o-Terphenyl	43.0		"	50.0		86.0	70-130			
Calibration Check (P0I2406-CCV1)				Prepared &	Analyzed:	09/24/20				
C6-C12	440	25.0	mg/kg wet	500	•	87.9	85-115			
>C12-C28	474	25.0	"	500		94.9	85-115			
Surrogate: 1-Chlorooctane	87.3		"	100		87.3	70-130			
Surrogate: o-Terphenyl	40.5		"	50.0		81.1	70-130			
Calibration Check (P0I2406-CCV2)				Prepared &	Analyzed:	09/24/20				
C6-C12	487	25.0	mg/kg wet	500		97.4	85-115			
>C12-C28	495	25.0	"	500		99.0	85-115			
Surrogate: 1-Chlorooctane	92.9		"	100		92.9	70-130			
Surrogate: o-Terphenyl	44.5		"	50.0		89.0	70-130			

Permian Basin Environmental Lab, L.P.

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Sylwia Reynolds

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I2406 - TX 1005										
Matrix Spike (P0I2406-MS1)	Sour	ce: 0123010	-53	Prepared: (	09/24/20 Aı	nalyzed: 09	0/25/20			
C6-C12	799	25.0	mg/kg dry	1000	20.1	77.9	75-125			
>C12-C28	880	25.0	"	1000	127	75.3	75-125			
Surrogate: 1-Chlorooctane	85.9		"	100		85.9	70-130			
Surrogate: o-Terphenyl	37.7		"	50.0		75.4	70-130			
Matrix Spike Dup (P0I2406-MSD1)	Sour	ce: 0123010	-53	Prepared: (	09/24/20 A	nalyzed: 09	0/25/20			
C6-C12	764	25.0	mg/kg dry	1000	20.1	74.4	75-125	4.54	20	QM-0
>C12-C28	841	25.0	"	1000	127	71.4	75-125	5.29	20	QM-0'
Surrogate: 1-Chlorooctane	81.7		"	100		81.7	70-130			
Surrogate: o-Terphenyl	37.2		"	50.0		74.4	70-130			
Batch P0I2407 - TX 1005										
Blank (P0I2407-BLK1)				Prepared: (	09/24/20 Aı	nalyzed: 09	0/25/20			
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	80.0		"	100		80.0	70-130			
Surrogate: o-Terphenyl	40.7		"	50.0		81.4	70-130			
LCS (P012407-BS1)				Prepared: (	09/24/20 At	nalyzed: 09	0/25/20			
C6-C12	811	25.0	mg/kg wet	1000		81.1	75-125			
>C12-C28	892	25.0	"	1000		89.2	75-125			
Surrogate: 1-Chlorooctane	87.6		"	100		87.6	70-130			
Surrogate: o-Terphenyl	39.8		"	50.0		79.5	70-130			
LCS Dup (P0I2407-BSD1)				Prepared: (	09/24/20 A	nalyzed: 09	0/25/20			
C6-C12	811	25.0	mg/kg wet	1000		81.1	75-125	0.0197	20	
>C12-C28	901	25.0	"	1000		90.1	75-125	0.976	20	
Surrogate: 1-Chlorooctane	87.7		"	100		87.7	70-130			
Surrogate: o-Terphenyl	40.0		"	50.0		80.0	70-130			

Permian Basin Environmental Lab, L.P.

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I2407 - TX 1005										
Calibration Check (P0I2407-CCV1)				Prepared: (	09/24/20 Aı	nalyzed: 09	/25/20			
C6-C12	467	25.0	mg/kg wet	500		93.4	85-115			
>C12-C28	493	25.0	"	500		98.5	85-115			
Surrogate: 1-Chlorooctane	88.9		"	100		88.9	70-130			
Surrogate: o-Terphenyl	42.2		"	50.0		84.4	70-130			
Calibration Check (P0I2407-CCV2)				Prepared: (	09/24/20 A1	nalyzed: 09	/25/20			
C6-C12	480	25.0	mg/kg wet	500		95.9	85-115			
>C12-C28	496	25.0	"	500		99.1	85-115			
Surrogate: 1-Chlorooctane	92.6		"	100		92.6	70-130			
Surrogate: o-Terphenyl	43.4		"	50.0		86.9	70-130			
Calibration Check (P0I2407-CCV3)				Prepared: (	09/24/20 A1	nalyzed: 09	/25/20			
C6-C12	449	25.0	mg/kg wet	500		89.9	85-115			
>C12-C28	486	25.0	"	500		97.3	85-115			
Surrogate: 1-Chlorooctane	88.5		"	100		88.5	70-130			
Surrogate: o-Terphenyl	41.4		"	50.0		82.8	70-130			
Matrix Spike (P0I2407-MS1)	Sou	rce: 0123010	-73	Prepared: (	09/24/20 Aı	nalyzed: 09	/25/20			
C6-C12	875	25.0	mg/kg dry	1000	12.5	86.3	75-125			
>C12-C28	973	25.0	"	1000	ND	97.3	75-125			
Surrogate: 1-Chlorooctane	93.0		"	100		93.0	70-130			
Surrogate: o-Terphenyl	43.1		"	50.0		86.1	70-130			
Matrix Spike Dup (P0I2407-MSD1)	Sou	rce: 0123010	-73	Prepared: (	09/24/20 Aı	nalyzed: 09	/25/20			
C6-C12	880	25.0	mg/kg dry	1000	12.5	86.7	75-125	0.550	20	
>C12-C28	977	25.0	"	1000	ND	97.7	75-125	0.396	20	
Surrogate: 1-Chlorooctane	95.4		"	100		95.4	70-130			
Surrogate: o-Terphenyl	43.5		"	50.0		86.9	70-130			

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

Number: PP-2075

# 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 P0I2505 - TX 1005										
Blank (P0I2505-BLK1)				Prepared &	Analyzed:	09/25/20				
C6-C12	ND	25.0	mg/kg wet	F						
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	81.9		"	100		81.9	70-130			
Surrogate: o-Terphenyl	41.8		"	50.0		83.5	70-130			
LCS (P0I2505-BS1)				Prepared &	Analyzed:	09/25/20				
C6-C12	840	25.0	mg/kg wet	1000		84.0	75-125			
>C12-C28	910	25.0	"	1000		91.0	75-125			
Surrogate: 1-Chlorooctane	91.0		"	100		91.0	70-130			
Surrogate: o-Terphenyl	42.6		"	50.0		85.3	70-130			
LCS Dup (P0I2505-BSD1)				Prepared &	Analyzed:	09/25/20				
C6-C12	851	25.0	mg/kg wet	1000		85.1	75-125	1.33	20	
>C12-C28	935	25.0	"	1000		93.5	75-125	2.73	20	
Surrogate: 1-Chlorooctane	92.7		"	100		92.7	70-130			
Surrogate: o-Terphenyl	43.4		"	50.0		86.8	70-130			
Calibration Check (P0I2505-CCV1)				Prepared &	Analyzed:	09/25/20				
C6-C12	440	25.0	mg/kg wet	500		87.9	85-115			
>C12-C28	463	25.0	"	500		92.7	85-115			
Surrogate: 1-Chlorooctane	88.4		"	100		88.4	70-130			
Surrogate: o-Terphenyl	41.2		"	50.0		82.3	70-130			
Calibration Check (P0I2505-CCV2)				Prepared &	Analyzed:	09/25/20				
C6-C12	487	25.0	mg/kg wet	500		97.5	85-115			
>C12-C28	500	25.0	"	500		100	85-115			
Surrogate: 1-Chlorooctane	96.2		"	100		96.2	70-130			
Surrogate: o-Terphenyl	45.2		"	50.0		90.5	70-130			

Permian Basin Environmental Lab, L.P.

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Sylwia Reynolds

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

	D 1	Reporting	TT '	Spike	Source	N/DEC	%REC	DDD	RPD	NI 4
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I2505 - TX 1005										
Calibration Check (P0I2505-CCV3)				Prepared: (	09/25/20 A	nalyzed: 09	9/26/20			
C6-C12	457	25.0	mg/kg wet	500		91.4	85-115			
>C12-C28	468	25.0	"	500		93.7	85-115			
Surrogate: 1-Chlorooctane	91.5		"	100		91.5	70-130			
Surrogate: o-Terphenyl	42.9		"	50.0		85.7	70-130			
Matrix Spike (P0I2505-MS1)	Sou	rce: 0I25008-	-05	Prepared: (	09/25/20 A	nalyzed: 09	9/26/20			
C6-C12	965	26.0	mg/kg dry	1040	14.2	91.3	75-125			
>C12-C28	1720	26.0	"	1040	893	79.7	75-125			
Surrogate: 1-Chlorooctane	108		"	104		104	70-130			
Surrogate: o-Terphenyl	58.0		"	52.1		111	70-130			
Matrix Spike Dup (P0I2505-MSD1)	Sou	rce: 0125008-	-05	Prepared: (	09/25/20 A	nalyzed: 09	9/26/20			
C6-C12	995	26.0	mg/kg dry	1040	14.2	94.1	75-125	3.03	20	
>C12-C28	1630	26.0	"	1040	893	70.7	75-125	12.0	20	QM-05
Surrogate: 1-Chlorooctane	108		"	104		104	70-130			
Surrogate: o-Terphenyl	56.3		"	52.1		108	70-130			

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Sylwia Reynolds

#### **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-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

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

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By: Date: 10/5/2020

Brent Barron, Laboratory Director/Technical Director

Permian Basin Environmental Lab, L.P.

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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

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

Permian Basin Environmental Lab, L.P.

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



## Analytical Report

## **Prepared for:**

Jeff Kindley
Dean
12600 W County Rd 91
Midland, TX 79707

Project: Plains Artesia Gathering East

Project Number: PP-2075 Location: Lea County, NM

Lab Order Number: 0I11002



NELAP/TCEQ # T104704516-18-9

Report Date: 09/28/20

Fax:

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Jeff Kindley

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP-South	0I11002-01	Soil	09/08/20 14:17	09-10-2020 17:01

TCLP Benzene, TCLP 8 RCRA Metals, and RClanalysis were subcontracted to ALS Houston. Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here: <a href="https://www.tceq.texas.gov/assets/public/compliance

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.

Fax:

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

**SP-South 0I11002-01** (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin I	Environmen	ıtal Lab, I	<b>P.</b>				
<b>General Chemistry Parameters by E</b>	PA / Standard Method	ds							
Reactive Cyanide	ND	100	ppm	1	P0I2404	09/18/20	09/18/20	SW846 9010B	SUB-13
Ignitability by Flashpoint	>212		°F	1	P0I2404	09/19/20	09/19/20	ASTM D93-80	SUB-13
pН	7.31	0.10	pH Units	1	P0I2404	09/17/20	09/17/20	EPA 9045B	SUB-13
% Moisture	1.0	0.1	%	1	P0I1106	09/11/20	09/11/20	ASTM D2216	
Reactive Sulfide	ND	100	ppm	1	P0I2404	09/18/20	09/18/20	SW846 9030B	SUB-13
Naturally Occuring Radioactive Mat	erial (N.O.R.M.)								
Radium 226	ND	1.42	pCi/g	1	P0I2809	09/16/20	09/17/20	EPA 901.1	SUB12
Radium 228	ND	0.30	pCi/g	1	P0I2809	09/16/20	09/17/20	EPA 901.1	SUB12
Lead 210	ND	1.29	pCi/g	1	P0I2809	09/16/20	09/17/20	EPA 901.1	SUB12
Total Gamma	9.56		pCi/g	1	P0I2809	09/16/20	09/17/20	EPA 901.1	SUB12
Lead 210 Analysis Error	0.68		+/- 2 Sigma	1	P0I2809	09/16/20	09/17/20	EPA 901.1	SUB12
Radium 226 Analysis Error	0.75		+/- 2 Sigma	1	P0I2809	09/16/20	09/17/20	EPA 901.1	SUB12
Radium 228 Analysis Error	0.16		+/- 2 Sigma	1	P0I2809	09/16/20	09/17/20	EPA 901.1	SUB12
TCLP Metals 1311 by EPA / Standar	d Methods								
Mercury	ND	0.000200	mg/L	1	P0I2404	09/17/20	09/18/20	EPA 7470A	SUB-13
Chromium	ND	0.0500	mg/L	1	P0I2404	09/17/20	09/21/20	EPA 6020A	SUB-13
Arsenic	ND	0.0500	mg/L	1	P0I2404	09/17/20	09/21/20	EPA 6020A	SUB-13
Selenium	ND	0.0500	mg/L	1	P0I2404	09/17/20	09/21/20	EPA 6020A	SUB-13
Silver	ND	0.0500	mg/L	1	P0I2404	09/17/20	09/21/20	EPA 6020A	SUB-13
Cadmium	ND	0.0500	mg/L	1	P0I2404	09/17/20	09/21/20	EPA 6020A	SUB-13
Barium	1.30	0.200	mg/L	1	P0I2404	09/17/20	09/21/20	EPA 6020A	SUB-13
Lead	ND	0.0500	mg/L	1	P0I2404	09/17/20	09/21/20	EPA 6020A	SUB-13

Free Liquid

Fax:

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075 Midland TX, 79707 Project Manager: Jeff Kindley

PASS

**SP-South** 0I11002-01 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

## Permian Basin Environmental Lab, L.P.

ND 100 ug/l P0I2404 09/17/20 09/19/20 EPA 8260B SUB-13 Benzene Physical Parameters by APHA/ASTM/EPA Methods N/A P0I2809

09/14/20

09/14/20

EPA 9095

Fax:

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I1106 - *** DEFAULT PREP ***										
Blank (P0I1106-BLK1)				Prepared &	Analyzed:	09/11/20				
% Moisture	ND	0.1	%							
Blank (P0I1106-BLK2)				Prepared &	Analyzed:	09/11/20				
% Moisture	ND	0.1	%							
Blank (P011106-BLK3)				Prepared &	Analyzed:	09/11/20				
% Moisture	ND	0.1	%							
Duplicate (P0I1106-DUP1)	Sou	rce: 0I10001-1	0	Prepared &	Analyzed:	09/11/20				
% Moisture	4.0	0.1	%		5.0			22.2	20	
Duplicate (P0I1106-DUP2)	Sour	rce: 0I10001-2	0	Prepared &	z Analyzed:	09/11/20				
% Moisture	4.0	0.1	%		4.0			0.00	20	
Duplicate (P0I1106-DUP3)	Sour	rce: 0I10001-3	5	Prepared &	z Analyzed:	09/11/20				
% Moisture	10.0	0.1	%		11.0			9.52	20	
Duplicate (P0I1106-DUP4)	Sour	rce: 0I11001-0	8	Prepared &	z Analyzed:	09/11/20				
% Moisture	ND	0.1	%		ND				20	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

Fax:

# Physical Parameters by APHA/ASTM/EPA Methods - Quality Control Permian Basin Environmental Lab, L.P.

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

Batch P0I2809 - \*\*\* DEFAULT PREP \*\*\*

Duplicate (P0I2809-DUP1)	Source: 0I11002-0		Prepared & Analyzed: 09/14/20	
Free Liquid	PASS	N/A	PASS	200

Permian Basin Environmental Lab, L.P.

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

Dean Project: Plains Artesia Gathering East Fax:

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Jeff Kindley

#### **Notes and Definitions**

SUB-13 Subcontract of analyte/analysis to ALS Houston.

SUB12 Analysis was subcontracted to ARS Port Allen Lousiana.

ROI Received on Ice

BULK Samples received in Bulk soil containers

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

	Drew	David C			
Report Approved By:			Date:	9/28/2020	

Brent Barron, Laboratory Director/Technical Director

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

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

Permian Basin Environmental Lab, L.P.

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

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

September 23, 2020

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

Work Order: **HS20090797** 

Laboratory Results for: 0111002

Dear Brent Barron,

ALS Environmental received 1 sample(s) on Sep 16, 2020 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 Bernadette A. Fini

Project Manager

**ALS Houston, US** 23-Sep-20 Date:

Permian Basin Environmental Lab, LP Client:

**SAMPLE SUMMARY** 0111002 **Project:** 

Work Order: HS20090797

Lab Samp ID **Client Sample ID** Matrix TagNo **Date Received Collection Date** Hold HS20090797-01 0111002-01 Soil

Client: Permian Basin Environmental Lab, LP CASE NARRATIVE

**Project:** 0111002 **Work Order:** HS20090797

#### **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: 157481

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

## Metals by Method SW1311/6020

Batch ID: 157547

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

#### Metals by Method SW7470

Batch ID: 157499

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

## WetChemistry by Method SW7.3.3.2

Batch ID: R368870

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

## WetChemistry by Method ASTM D92-12b

Batch ID: R368903

• 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: R368868

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

## WetChemistry by Method SW9045D

Batch ID: R368775

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

Client: Permian Basin Environmental Lab, LP

WorkOrder:HS20090797 Lab ID:HS20090797-01

**ANALYTICAL REPORT** 

Project: 0I11002 Sample ID: 0I11002-01

		 DILLITION
Collection Date:	08-Sep-2020 14:17	Matrix:Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP VOLATILES		Method:SW8260	Leache:SW1311 / 18-Sep-2020	Prep:SW1311 /	18-Sep-2020	Analyst: PC
Benzene	ND		0.10	mg/L	20	19-Sep-2020 02:48
Surr: 1,2-Dichloroethane-d4	101		70-126	%REC	20	19-Sep-2020 02:48
Surr: 4-Bromofluorobenzene	94.4		82-124	%REC	20	19-Sep-2020 02:48
Surr: Dibromofluoromethane	101		77-123	%REC	20	19-Sep-2020 02:48
Surr: Toluene-d8	99.6		82-127	%REC	20	19-Sep-2020 02:48
TCLP METALS BY SW6020A	N	lethod:SW1311/6020	Leache:SW1311 / 18-Sep-2020	Prep:SW3010A	/ 19-Sep-2020	Analyst: JHD
Arsenic	ND		0.0500	mg/L	1	21-Sep-2020 21:28
Barium	1.30		0.200	mg/L	1	21-Sep-2020 21:28
Cadmium	ND		0.0500	mg/L	1	21-Sep-2020 21:28
Chromium	ND		0.0500	mg/L	1	21-Sep-2020 21:28
Lead	ND		0.0500	mg/L	1	21-Sep-2020 21:28
Selenium	ND		0.0500	mg/L	1	21-Sep-2020 21:28
Silver	ND		0.0500	mg/L	1	21-Sep-2020 21:28
TCLP MERCURY BY SW7470A		Method:SW7470	Leache:SW1311 / 18-Sep-2020	Prep:SW7470 /	18-Sep-2020	Analyst: JC
Mercury	ND		0.000200	mg/L	1	18-Sep-2020 17:16
FLASH POINT BY CLEVELAND OPEN CUP ASTM D92-12B	І м	ethod:ASTM D92-12b				Analyst: TH
Flash Point	> 212	n	50.0	°F	1	19-Sep-2020 09:00
REACTIVE CYANIDE		Method:SW7.3.3.2		Prep:SW7.3.3.2		Analyst: MZD
Reactive Cyanide	ND	n	100	mg/Kg	1	18-Sep-2020 13:10
REACTIVE SULFIDE		Method:SW7.3.4.2				Analyst: MZD
Reactive Sulfide	ND	n	100	mg/Kg	1	18-Sep-2020 12:22
PH SOIL BY SW9045D		Method:SW9045D				Analyst: JAC
рН	7.31	Н	0.100	pH Units	1	17-Sep-2020 13:08
Temp Deg C @pH	22.3	Н	0	°C	1	17-Sep-2020 13:08

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

Weight / Prep Log

Page 271 of 690

Permian Basin Environmental Lab, LP Client:

Container

0111002 **Project:** WorkOrder: HS20090797

Sample ID

**Batch ID: 157478** Start Date: 17 Sep 2020 17:00 End Date: 18 Sep 2020 10:00

**Final** 

Volume

Prep

Prep

**Factor** 

Method: TCLP MERCURY EXTRACTION BY SW1311 Prep Code: 1311LHG EXT

HS20090797-01 100 (grams) 2000 (mL) 20

Batch ID: 157479 End Date: 18 Sep 2020 10:00 **Start Date:** 17 Sep 2020 17:00

Method: TCLP METALS EXTRACTION BY SW1311 Prep Code: 1311LM EXT

Sample Final Prep Container Sample ID Wt/Vol Volume Factor HS20090797-01 100 (grams) 2000 (mL) 20

Sample

Sample

Wt/Vol

Start Date: 17 Sep 2020 17:00 Batch ID: 157481 End Date: 18 Sep 2020 10:00

Method: TCLP ZHE (VOL EXTRACTION) Prep Code: 1311ZHE

Container Sample ID Wt/Vol Volume **Factor** HS20090797-01 25 (g) 500 (mL)

Batch ID: 157499 Start Date: 18 Sep 2020 08:30 End Date: 18 Sep 2020 10:30

Final

Method: MERCURY TCLP PREP BY SW7470A Prep Code: 1311 HGPR

Sample Final Prep Container Wt/Vol Volume **Factor** Sample ID HS20090797-01 10 (mL) 10 (mL)

Batch ID: 157547 **Start Date:** 19 Sep 2020 12:00 End Date: 19 Sep 2020 16:00

Method: TCLP LEACHATE DIGESTION BY SW3010A Prep Code: 3010A TCLP

Sample **Final** Prep Container Wt/Vol Factor Sample ID Volume HS20090797-01 1 (mL) 10 (mL) 10

Client: Permian Basin Environmental Lab, LP

Project: 0111002 DATES REPORT

WorkOrder: HS20090797

Sample ID	Client Sam	p ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 157481	1(0)	Test Name: T	CLP VOLATILES			Matrix: Soil	
HS20090797-01	0111002-01		08 Sep 2020 14:17	18 Sep 2020 10:00	18 Sep 2020 11:29	19 Sep 2020 02:48	20
Batch ID: 157499	9(0)	Test Name: T	CLP MERCURY BY S	W7470A		Matrix: Soil	
HS20090797-01	0111002-01		08 Sep 2020 14:17	18 Sep 2020 10:00	18 Sep 2020 08:30	18 Sep 2020 17:16	1
Batch ID: 157547	7(0)	Test Name: T	CLP METALS BY SW6	6020A		Matrix: Soil	
HS20090797-01	0111002-01		08 Sep 2020 14:17	18 Sep 2020 10:00	19 Sep 2020 16:00	21 Sep 2020 21:28	1
Batch ID: R3687	75 ( 0 )	Test Name: P	PH SOIL BY SW9045D			Matrix: Soil	
HS20090797-01	0111002-01		08 Sep 2020 14:17			17 Sep 2020 13:08	1
Batch ID: R3688	68 ( 0 )	Test Name : F	REACTIVE SULFIDE			Matrix: Soil	
HS20090797-01	0111002-01		08 Sep 2020 14:17			18 Sep 2020 12:22	1
Batch ID: R3688	70 ( 0 )	Test Name : F	REACTIVE CYANIDE			Matrix: Soil	
HS20090797-01	0111002-01		08 Sep 2020 14:17			18 Sep 2020 13:10	1
Batch ID: R3689	03 ( 0 )	Test Name : F	LASH POINT BY CLE	/ELAND OPEN CUP A	ASTM D92-12B	Matrix: Soil	
HS20090797-01	0111002-01		08 Sep 2020 14:17			19 Sep 2020 09:00	1

Client: Permian Basin Environmental Lab, LP

 Project:
 0I11002

 WorkOrder:
 HS20090797

Batch ID:	157499 ( 0 )	Instrument:	HG03	Method: TCLP MERCURY BY SW7470A
MBLK Client ID:	Sample ID:	MBLKT2-157499 Run ID: HG		mg/L Analysis Date: 18-Sep-2020 16:46 SeqNo: 5745521 PrepDate: 18-Sep-2020 DF: 1
Analyte		Result PQL	_ SPK Val	SPK Ref Control RPD Ref RPD Value %REC Limit Value %RPD Limit
Mercury		ND 0.000200	)	
MBLK Client ID:	Sample ID:	MBLKT3-157499 Run ID: HG		mg/L Analysis Date: 18-Sep-2020 16:47 SeqNo: 5745522 PrepDate: 18-Sep-2020 DF: 1
Analyte		Result PQL	_ SPK Val	SPK Ref Control RPD Ref RPD Value %REC Limit Value %RPD Limit
Mercury		ND 0.000200	)	
MBLK Client ID:	Sample ID:	MBLKT1-157499 Run ID: HG		mg/L         Analysis Date:         18-Sep-2020 16:44           SeqNo: 5745520         PrepDate:         18-Sep-2020         DF: 1           SPK Ref         Control         RPD Ref         RPD
Analyte		Result PQL	_ SPK Val	Value %REC Limit Value %RPD Limit
Mercury		ND 0.000200	)	
MBLK Client ID: Analyte	Sample ID:	MBLK-157499  Run ID: HG  Result PQL	03_368891	mg/L         Analysis Date:         18-Sep-2020 16:42           SeqNo: 5745519         PrepDate:         18-Sep-2020         DF: 1           SPK Ref         Control         RPD Ref         RPD           Value         %REC         Limit         Value         %RPD Limit
Mercury		ND 0.000200	)	
LCS Client ID: Analyte	Sample ID:	Result PQL	03_368891	mg/L         Analysis Date:         18-Sep-2020 16:49           SeqNo: 5745523         PrepDate:         18-Sep-2020         DF: 1           SPK Ref         Control         RPD Ref         RPD Value         RPD Limit
Mercury		0.00469 0.000200	0.005	0 93.8 80 - 120
MS Client ID:	Sample ID:	HS20090730-19MS Run ID: HG	03_368891	mg/L         Analysis Date:         18-Sep-2020 17:04           SeqNo: 5745534         PrepDate:         18-Sep-2020 DF: 1           SPK Ref         Control         RPD Ref         RPD
Analyte		Result PQL	_ SPK Val	Value %REC Limit Value %RPD Limit
Mercury		0.00487 0.000200	0.005	-0.000003 97.5 75 - 125

Client: Permian Basin Environmental Lab, LP

 Project:
 0111002

 WorkOrder:
 HS20090797

**QC BATCH REPORT** 

Batch ID:	157499 ( 0 )	Instru	ment:	HG03	М	ethod: T	CLP MERC	URY BY SW7	470A
MSD	Sample ID:	HS20090730-19MSD		Units:	mg/L	Ana	llysis Date:	18-Sep-2020	17:05
Client ID:		Run	ID: HG0	3_368891	SeqNo: 5	745535	PrepDate:	18-Sep-2020	DF: <b>1</b>
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Mercury		0.0046	0.000200	0.005	-0.000003	92.1	75 - 125	0.00487	5.7 20

The following samples were analyzed in this batch: [HS20090797-01]

Client: Permian Basin Environmental Lab, LP

 Project:
 0111002

 WorkOrder:
 HS20090797

Batch ID: 1	57547 ( 0 )	Ins	trument:	ICPMS06	ı	Method: 1	TCLP META	LS BY SW60	20A
MBLK	Sample ID:	MBLKT2-157547		Units:	mg/L	Ana	alysis Date:	21-Sep-2020	21:01
Client ID:		F	Run ID: ICPI	MS06_368935	SeqNo:	5747735	PrepDate:	19-Sep-2020	DF: <b>1</b>
Analyte		Result	PQL	SPK Val	SPK Ret Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qua
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:	MBLKT1-157547		Units:	mg/L	Ana	alysis Date:	21-Sep-2020	20:59
Client ID:		F	Run ID: ICPI	MS06_368935	SeqNo:	5747734	PrepDate:	19-Sep-2020	DF: <b>1</b>
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qua
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-157547		Units:	mg/L	Ana	alysis Date:	21-Sep-2020	20:57
Client ID:		F	Run ID: ICPI	MS06_368935	SeqNo:	5747733	PrepDate:	19-Sep-2020	DF: <b>1</b>
Analyte		Result	PQL	SPK Val	SPK Res	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qua
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						

Client: Permian Basin Environmental Lab, LP

 Project:
 0111002

 WorkOrder:
 HS20090797

Batch ID:	157547 ( 0 )	In	strument:	ICPMS06	M	ethod: 1	CLP META	LS BY SW602	20A
LCS	Sample ID:	LCS-157547		Units:	mg/L	Ana	alysis Date:	21-Sep-2020	21:03
Client ID:			Run ID: ICPN	MS06_368935	SeqNo: 5	747736	PrepDate:	19-Sep-2020	DF: <b>1</b>
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Arsenic		0.0472	0.00500	0.05	0	94.4	80 - 120		
Barium		0.04839	0.0200	0.05	0	96.8	80 - 120		
Cadmium		0.0484	0.00500	0.05	0	96.8	80 - 120		
Chromium		0.04484	0.00500	0.05	0	89.7	80 - 120		
Lead		0.04752	0.00500	0.05	0	95.0	80 - 120		
Selenium		0.04948	0.00500	0.05	0	99.0	80 - 120		
Silver		0.04786	0.00500	0.05	0	95.7	80 - 120		
MS	Sample ID:	HS20090688-02	иs	Units:	mg/L	Ana	alysis Date:	21-Sep-2020	21:09
Client ID:			Run ID: ICPN	MS06_368935	SeqNo: 5	747739	PrepDate:	19-Sep-2020	DF: <b>1</b>
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Arsenic		0.4527	0.0500	0.5	0.00432	89.7	80 - 120		
Barium		0.9951	0.200	0.5	0.5871	81.6	80 - 120		
Cadmium		0.4359	0.0500	0.5	0	87.2	80 - 120		
Chromium		0.4126	0.0500	0.5	0	82.5	80 - 120		
Lead		0.4425	0.0500	0.5	0.00833	86.8	80 - 120		
Selenium		0.4614	0.0500	0.5	0	92.3	80 - 120		
Silver		0.4193	0.0500	0.5	0	83.9	80 - 120		
MSD	Sample ID:	HS20090688-02	MSD	Units:	mg/L	Ana	alysis Date:	21-Sep-2020	21:11
Client ID:			Run ID: ICPN	MS06_368935	SeqNo: 5	747740	PrepDate:	19-Sep-2020	DF: <b>1</b>
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Arsenic		0.4901	0.0500	0.5	0.00432	97.2	80 - 120	0.4527	7.93 20
Barium		1.078	0.200	0.5	0.5871	98.2	80 - 120	0.9951	8.01 20
Cadmium		0.4775	0.0500	0.5	0	95.5	80 - 120	0.4359	9.11 20
Chromium		0.4461	0.0500	0.5	0	89.2	80 - 120	0.4126	7.8 20
Lead		0.4906	0.0500	0.5	0.00833	96.5	80 - 120	0.4425	10.3 20
Selenium		0.5198	0.0500	0.5	0	104	80 - 120	0.4614	11.9 20
Silver		0.4565	0.0500	0.5	0	91.3	80 - 120	0.4193	8.49 20
Ollvel		0.4000	0.0000	0.5	0	91.3	00 - 120	0.4193	0.49 20

Client: Permian Basin Environmental Lab, LP

 Project:
 0111002

 WorkOrder:
 HS20090797

	157547 ( 0 )	ins	trument:	ICPMS06	M	ethod: T	CLP METAL	_S BY SW602	20A		
PDS	Sample ID:	HS20090688-02P	DS	Units:	mg/L	Ana	alysis Date:	21-Sep-2020	21:13		
Client ID:		F	Run ID: ICPI	MS06_368935	SeqNo: 5	747741	PrepDate:	19-Sep-2020	DI	F: <b>1</b>	
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit C	Qua
Arsenic		1.057	0.0500	1	0.00432	105	75 - 125				
Barium		1.574	0.200	1	0.5871	98.7	75 - 125				
Cadmium		1.022	0.0500	1	0.00015	102	75 - 125				
Chromium		0.952	0.0500	1	0.00127	95.1	75 - 125				
Lead		1.026	0.0500	1	0.00833	102	75 - 125				
Selenium		1.102	0.0500	1	0.00084	110	75 - 125				
Silver		0.9794	0.0500	1	-0.00003	97.9	75 - 125				
SD	Sample ID:	HS20090688-02S	D	Units:	mg/L	Ana	alysis Date:	21-Sep-2020	21:07		
Client ID:		F	Run ID: ICPI	MS06_368935	SeqNo: 5	747738	PrepDate:	19-Sep-2020	DI	F: <b>5</b>	
Client ID: Analyte		Result	Run ID: ICPI	MS06_368935 SPK Val	SeqNo: 5 SPK Ref Value	747738 %REC	PrepDate: Control Limit	19-Sep-2020 RPD Ref Value	DI %D	F: <b>5</b> %D Limit C	Qua
Analyte					SPK Ref		Control	RPD Ref		%D	Qua
		Result	PQL		SPK Ref		Control	RPD Ref Value		%D Limit C	Qua
Analyte Arsenic		Result	PQL 0.250		SPK Ref		Control	RPD Ref Value 0.00432		%D Limit C	Qua
Analyte  Arsenic  Barium  Cadmium		Result  ND 0.5795	0.250 1.00		SPK Ref		Control	RPD Ref Value 0.00432 0.5871		%D Limit C 0 10 0 10	Qua
Analyte  Arsenic  Barium  Cadmium		Result  ND  0.5795  ND	0.250 1.00 0.250		SPK Ref		Control	0.00432 0.5871 0.00015		%D Limit O 0 10 0 10 0 10	Qua
Analyte  Arsenic  Barium  Cadmium  Chromium		Result  ND 0.5795  ND  ND	PQL 0.250 1.00 0.250 0.250		SPK Ref		Control	RPD Ref Value 0.00432 0.5871 0.00015 0.00127		%D Limit O 0 10 0 10 0 10	Qua

Client: Permian Basin Environmental Lab, LP

**Project:** 0111002 **WorkOrder:** HS20090797

Batch ID: 157481 ( 0 )	Instru	ıment: \	/OA9	Me	ethod: T	CLP VOLAT	TILES .	
MBLK Sample ID:	MBLK-157481		Units:	ug/L	Ana	alysis Date:	18-Sep-2020	21:56
Client ID:	Rur	n ID: VOA9	_368960	SeqNo: 5	746960	PrepDate:	18-Sep-2020	DF: <b>20</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
7					70.120			70111 2 2
Benzene	ND	100						
Surr: 1,2-Dichloroethane-d4	969.9	100	1000	0	97.0	70 - 130		
Surr: 4-Bromofluorobenzene	945.7	100	1000	0	94.6	82 - 115		
Surr: Dibromofluoromethane	997.1	100	1000	0	99.7	73 - 126		
Surr: Toluene-d8	993.1	100	1000	0	99.3	81 - 120		
LCS Sample ID:	VLCSW-157481		Units:	ug/L	Ana	alysis Date:	18-Sep-2020	16:40
Client ID:	Rur	n ID: VOA9	_368960	SeqNo: 5	746956	PrepDate:		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Benzene	17.68	5.0	20	0	88.4	74 - 120		
Surr: 1,2-Dichloroethane-d4	47.45	5.0	50	0	94.9	70 - 130		
Surr: 4-Bromofluorobenzene	50.29	5.0	50	0	101	82 - 115		
Surr: Dibromofluoromethane	49.1	5.0	50	0	98.2	73 - 126		
Surr: Toluene-d8	50.38	5.0	50	0	101	81 - 120		
LCS Sample ID:	VLCSW-157481		Units:	ug/L	Ana	alysis Date:	21-Sep-2020	11:51
Client ID:	Rur	n ID: VOA4	_368978	SeqNo: 5	747381	PrepDate:		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Benzene	19.28	5.0	20	0	96.4	74 - 120		
Surr: 1,2-Dichloroethane-d4	46.67	5.0	50	0	93.3	70 - 130		
Surr: 4-Bromofluorobenzene	51.35	5.0	50	0	103	82 - 115		
Surr: Dibromofluoromethane	47.78	5.0	50	0	95.6	73 - 126		
Surr: Toluene-d8	50.07	5.0	50	0	100	81 - 120		

Client: Permian Basin Environmental Lab, LP

**Project:** 0111002 **WorkOrder:** HS20090797

QC BATCH REPORT

Batch ID: 157481 ( 0 )	Instrume	nt: '	VOA9	Me	Method: TCLP VOLATILES						
MS Sample ID:	HS20090879-01MS	879-01MS Units: ug/L		Ana	alysis Date:	21-Sep-2020	13:57				
Client ID:	Run ID:	VOA	4_368978	SeqNo: 5	747384	PrepDate:		DF: <b>1</b>			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RF %RPD Lir			
Benzene	52.08	5.0	20	33.92	90.8	70 - 127					
Surr: 1,2-Dichloroethane-d4	49	5.0	50	0	98.0	70 - 126					
Surr: 4-Bromofluorobenzene	50.03	5.0	50	0	100	82 - 124					
Surr: Dibromofluoromethane	49.39	5.0	50	0	98.8	77 - 123					
Surr: Toluene-d8	48.96	5.0	50	0	97.9	82 - 127					
MS Sample ID:	HS20090820-06MS		Units:	ug/L	Ana	alysis Date:	18-Sep-2020	19:30			
Client ID:	Run ID:	VOAS	9_368960	SeqNo: 5	746959	PrepDate:	DF: <b>1</b>				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RF %RPD Lir			
Benzene	10.384	5.0	20	0	95.1	70 - 127					
Surr: 1,2-Dichloroethane-d4	47.29	5.0	50	0	94.6	70 - 126					
Surr: 4-Bromofluorobenzene	49.65	5.0	50	0	99.3	82 - 124					
Surr: Dibromofluoromethane	48.11	5.0	50	0	96.2	77 - 123					
Surr: Toluene-d8	49.52	5.0	50	0	99.0	82 - 127					

The following samples were analyzed in this batch: [HS20090797-01]

Client: Permian Basin Environmental Lab, LP

**Project:** 0111002 **WorkOrder:** HS20090797

**QC BATCH REPORT** 

Batch ID: R	368775 ( 0 )	Instrur	nent:	WetChem_HS	N	/lethod:	PH SOIL BY		
DUP	Sample ID:	HS20090688-02DUP		Units:	pH Units	Ar	nalysis Date:	17-Sep-2020	13:08
Client ID:		Run	ID: Wet	:Chem_HS_3687	<b>775</b> SeqNo:	5743004	PrepDate:		DF: <b>1</b>
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qua
рН		8.32	0.100					8.4	0.957 10
Temp Deg C (	@рН	22.4	0					22.1	1.35 10

The following samples were analyzed in this batch: [HS20090797-01

Client: Permian Basin Environmental Lab, LP

 Project:
 0111002

 WorkOrder:
 HS20090797

68 ( 0 )	) Instrument: WetChem_HS Method: REACTIVE SULFIDE								
Sample ID:	MBLK-368868		Units: r	ng/Kg	Ana	llysis Date:	18-Sep-2020	12:22	
	Run ID	: Wet	Chem_HS_36886	8 SeqNo:	5744877	PrepDate:		DF	: 1
	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qua
	ND	100							
Sample ID:	LCS-368868		Units: r	ng/Kg	Ana	llysis Date:	18-Sep-2020	12:22	
	Run ID	: Wet	Chem_HS_36886	8 SeqNo:	5744878	PrepDate:		DF	: 1
	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qua
	68	10.0	100	0	68.0	20 - 120			
Sample ID:	HS20090688-02MS		Units: r	ng/Kg	Ana	llysis Date:	18-Sep-2020	12:22	
	Run ID	: Wet	Chem_HS_36886	8 SeqNo:	5744879	PrepDate:		DF	: 1
	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qua
	72	10.0	100	0	72.0	20 - 120	·		
	Sample ID:	Sample ID: MBLK-368868 Run ID Result  ND  Sample ID: LCS-368868 Run ID Result  68  Sample ID: HS20090688-02MS Run ID Result	Sample ID:       MBLK-368868       Run ID:       Wet         Result       PQL         ND       100         Sample ID:       LCS-368868       Run ID:       Wet         Result       PQL         Sample ID:       HS20090688-02MS       Run ID:       Wet         Result       PQL	Sample ID:       MBLK-368868       Units: r         Result       PQL       SPK Val         ND       100         Sample ID:       LCS-368868       Units: r         Run ID:       WetChem_HS_368868         Result       PQL       SPK Val         Sample ID:       HS20090688-02MS       Units: r         Run ID:       WetChem_HS_368868         Result       PQL       SPK Val	Sample ID:         MBLK-368868         Run ID:         WetChem_HS_368868         SeqNo:           Result         PQL         SPK Val         SPK Ref Value           ND         100         Units:         mg/Kg           Sample ID:         LCS-368868         Units:         mg/Kg           Run ID:         WetChem_HS_368868         SeqNo:           Result         PQL         SPK Val         SPK Ref Value           Sample ID:         HS20090688-02MS         Units:         mg/Kg           Run ID:         WetChem_HS_368868         SeqNo:         SPK Ref SPK Ref SPK Ref SPK Ref SPK Ref SPK Ref Yalue	Sample ID:         MBLK-368868         LCS-368868         Units: mg/Kg         Ana Run ID:           Result         PQL         SPK Val         SPK Ref Value         %REC           Sample ID:         LCS-368868         Equal ID:         WetChem_HS_368868         SeqNo: 5744878           Result         PQL         SPK Val         Value         %REC           Sample ID:         HS20090688-02MS         Units: mg/Kg         Ana Run ID:           WetChem_HS_368868         SeqNo: 5744879           SPK Ref         Result         PQL         SPK Val         Value         %REC	Sample ID:         MBLK-368868         Run ID:         WetChem_HS_368868         SeqNo: 5744877         PrepDate: Control Limit           ND         100         PQL         SPK Val         MREC         Analysis Date: Control Limit           Sample ID:         LCS-368868         Units:         mg/Kg         Analysis Date: MR           Run ID:         WetChem_HS_368868         SeqNo: 5744878         PrepDate: Control Limit           Result         PQL         SPK Val         SPK Ref Value         %REC         Control Limit           Sample ID:         HS20090688-02MS         Units:         mg/Kg         Analysis Date: Control Limit           Sample ID:         HS20090688-02MS         Units:         mg/Kg         Analysis Date: Control SPK Ref Value         PREC         PREDDate: Control Limit           Sample ID:         Result         PQL         SPK Val         SPK Ref Value         Recontrol Result         Control Limit	Sample ID:   MBLK-368868   Run ID:   WetChem_HS_368868   SeqNo: 5744877   PrepDate:   Result   PQL   SPK Val   SPK Ref   Value   Result   Result   PQL   SPK Val   SPK Ref   Value   Result   Result   Result   Result   Result   Run ID:   WetChem_HS_368868   SeqNo: 5744878   PrepDate:   Run ID:   WetChem_HS_368868   SeqNo: 5744878   PrepDate:   Result   PQL   SPK Val   SPK Ref   Value   Result   R	Sample ID:         MBLK-368868         Units:         mg/Kg         Analysis Date:         18-Sep-2020 12:22           Run ID:         WetChem_HS_368868 SeqNo: 5744877         PrepDate:         DF           Result         PQL         SPK Val         SPK Ref         Control Value         RPD Ref           ND         100         ND         100         Imit         18-Sep-2020 12:22           Sample ID:         LCS-368868         Units:         mg/Kg         Analysis Date:         18-Sep-2020 12:22           Result         PQL         SPK Val         SPK Ref         Recount Value         RPD Ref         PRD Ref           Result         PQL         SPK Val         SPK Ref         Recount Value         RPD Ref         RPD Ref           Sample ID:         HS20090688-02MS         Units:         mg/Kg         Analysis Date:         18-Sep-2020 12:22           Sample ID:         HS20090688-02MS         Units:         mg/Kg         Analysis Date:         18-Sep-2020 12:22           Sepk Ref         SPK Ref         Control RepD Ref         RepD Ref         RepD Ref         Value         RepD Ref

Client: Permian Basin Environmental Lab, LP

 Project:
 0111002

 WorkOrder:
 HS20090797

Batch ID: R3688	70 ( 0 )	Instrum	nstrument: UV-2450 Method: REACTIVE CYANIDE									
MBLK	Sample ID:	MBLK-368870		Units:	mg/Kg	Ana	alysis Date:	18-Sep-2020	13:10			
Client ID:		Run I	: UV-245	0_368870	SeqNo: 5	744897	PrepDate:		DF: <b>1</b>			
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qua			
Reactive Cyanide		ND	100									
LCS	Sample ID:	LCS-368870		Units:	mg/Kg	Ana	alysis Date:	18-Sep-2020	13:10			
Client ID:		Run I	: UV-245	0_368870	SeqNo: 5	744898	PrepDate:		DF: <b>1</b>			
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qua			
Reactive Cyanide		0.64	10.0	10	0	6.40	5 - 100					
MS	Sample ID:	HS20090688-02MS		Units:	mg/Kg	Ana	alysis Date:	18-Sep-2020	13:10			
Client ID:		Run II	: UV-245	0_368870	SeqNo: 5	744901	PrepDate:		DF: <b>1</b>			
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qua			
Reactive Cyanide		0.64	10.0	10	0	6.40	5 - 100					

DUP

ALS Houston, US Date: 23-Sep-20

Client: Permian Basin Environmental Lab, LP

HS20090688-02DUP

**Project:** 0111002 **WorkOrder:** HS20090797

Sample ID:

QC BATCH REPORT

Analysis Date: 19-Sep-2020 09:00

Batch ID: R368903 ( 0 ) Instrument: WetChem\_HS Method: FLASH POINT BY CLEVELAND OPEN CUP ASTM D92-12B

OU ACTIN 502-125

Client ID: Run ID: WetChem\_HS\_368903 SeqNo: 5745912 PrepDate: DF: 1

SPK Ref Control RPD Ref RPD

Analyte Result PQL SPK Val Value %REC Limit Value %RPD Limit Qual

Units: °F

Flash Point > 212 50.0 0 0 30

The following samples were analyzed in this batch: HS20090797-01

Permian Basin Environmental Lab, LP Client: QUALIFIERS,

Project: 0111002 **ACRONYMS, UNITS** 

WorkOrder: HS20090797

Work Or don	1.02000107
Qualifier	Description
*	Value exceeds Regulatory Limit
а	Not accredited
В	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
Н	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
0	Sample amount is > 4 times amount spiked
Р	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

Acronym	Description

DCS	Detectability Check Study

LCS Laboratory Control Sample

LCSD Laboratory Control Sample Duplicate

**MBLK** Method Blank

MDL Method Detection Limit MQL Method Quantitation Limit

MS Matrix Spike

Matrix Spike Duplicate MSD **PDS** Post Digestion Spike Practical Quantitaion Limit PQL

Serial Dilution SD

SDL Sample Detection Limit

**TRRP** Texas Risk Reduction Program

#### **Unit Reported** Description

Date

mg/Kg Milligrams per Kilogram mg/L Milligrams per Liter

## **CERTIFICATIONS, ACCREDITATIONS & LICENSES**

Agency	Number	Expire Date
Arkansas	20-030-0	26-Mar-2021
California	2919, 2020-2021	30-Apr-2021
Dept of Defense	PJLA L20-507	22-Dec-2021
Florida	E87611-30-07/01/2020	30-Jun-2021
Illinois	2000322020-4	09-May-2021
Kansas	E-10352 2020-2021	31-Jul-2021
Kentucky	123043, 2020-2021	30-Apr-2021
Louisiana	03087, 2020-2021	30-Jun-2021
Maryland	343, 2019-2020	30-Sep-2020
North Carolina	624-2020	31-Dec-2020
North Dakota	R-193 2020-2021	30-Apr-2021
Texas	T104704231-20-26	30-Apr-2021

Corrective Action:

**ALS Houston, US** Date: 23-Sep-20 Sample Receipt Checklist Work Order ID: HS20090797 Date/Time Received: 16-Sep-2020 10:20 **Client Name:** Permian Basin Lab Jared R. Makan Received by: Completed By: /S/ Jared R. Makan 17-Sep-2020 08:30 17-Sep-2020 12:26 Reviewed by: /S/ Corey Grandits Date/Time Date/Time eSignature eSignature Matrices: <u>Soil</u> Carrier name: FedEx Standard Overnight Not Present 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 1 Page(s) Yes No Chain of custody present? Chain of custody signed when relinquished and received? Yes No 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? 1.8°C/1.8°C UC/C Temperature(s)/Thermometer(s): IR31 Cooler(s)/Kit(s): Red Date/Time sample(s) sent to storage: 09/17/2020 08:30 Water - VOA vials have zero headspace? Yes No VOA vials submitted No V Water - pH acceptable upon receipt? Yes No N/A pH adjusted? N/A Yes No pH adjusted by: Login Notes: Client Contacted: Date Contacted: Person Contacted: Contacted By: Regarding: Comments:

Received by OCD: 4/7/2021 1:09:45 PM



#### 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									Pi	ojec	l Na	me:			SU	BCC	TNC	RAC	<u> </u>											
	Company Name	PBEL			***													Pr	ojec	t #:												
	Company Address:	1400 Rankin HWY												Proje	ect L	.oc:																
	City/State/Zip:	Midland Texas 79701												P	O #:																	
	Telephone No:	432-661-4184	Fax No:											Rep	ort F	orm	at:	Х	Star	ndaro	d	C	J <sub>T</sub>	RRP	,		NPDE					
	Sampler Signature:	N/A				e-mail:		bre	ntba	arron	@pt	elat	o.cor	n																		
			1				•																/	Analy	/ze F	or:	一	_	<del>-</del>	$\Box$		
lab use ORDE									_	Pres	ervati	ion &	# of	Cont	ainers	Т	Ma	trix			S/.				١							
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# PERMIAN BASIN ENVIRONMENTAL LAB, LP 1400 Rankin Hwy Midland, TX 79701



# Analytical Report

# **Prepared for:**

Jeff Kindley
Dean
12600 W County Rd 91
Midland, TX 79707

Project: Plains Artesia Gathering East

Project Number: PP-2075 Location: Lea Co., New Mexico

Lab Order Number: 0I11004



NELAP/TCEQ # T104704516-17-8

Report Date: 09/21/20

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Jeff Kindley

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP-South	0111004-01	Soil	09/08/20 14:17	09-11-2020 10:02
SP-North	0I11004-02	Soil	09/08/20 14:13	09-11-2020 10:02

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

**SP-South** 0I11004-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Analyte	Result	LIIIII	Omis	Dilution	Datell	Trepated	Analyzeu	Wichiod	Notes
	Pern	nian Basin F	Environme	ntal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.0148	0.00101	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Toluene	0.0433	0.00101	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Ethylbenzene	0.0261	0.00101	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Xylene (p/m)	0.0125	0.00202	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Xylene (o)	0.00227	0.00101	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		70.1 %	75-1	25	P011105	09/11/20	09/12/20	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene		90.8 %	75-1	25	P0I1105	09/11/20	09/12/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	2.05	1.01	mg/kg dry	1	P0I1608	09/16/20	09/16/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I1106	09/11/20	09/11/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	235 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I1103	09/11/20	09/14/20	TPH 8015M	
>C12-C28	708	25.3	mg/kg dry	1	P0I1103	09/11/20	09/14/20	TPH 8015M	
>C28-C35	377	25.3	mg/kg dry	1	P0I1103	09/11/20	09/14/20	TPH 8015M	
Surrogate: 1-Chlorooctane		125 %	70-1	30	P0I1103	09/11/20	09/14/20	TPH 8015M	
Surrogate: o-Terphenyl		149 %	70-1	30	P0I1103	09/11/20	09/14/20	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	1080	25.3	mg/kg dry	1	[CALC]	09/11/20	09/14/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

**SP-North** 0I11004-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perr	nian Basin E	Environmen	ıtal Lab, l	P.				
BTEX by 8021B									
Benzene	0.0295	0.00101	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Toluene	0.0173	0.00101	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Ethylbenzene	0.00230	0.00101	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I1105	09/11/20	09/12/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		72.3 %	75-1	25	P011105	09/11/20	09/12/20	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene		90.3 %	75-1	25	P011105	09/11/20	09/12/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	3.15	1.01	mg/kg dry	1	P0I1608	09/16/20	09/16/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I1106	09/11/20	09/11/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
>C12-C28	149	25.3	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
>C28-C35	60.9	25.3	mg/kg dry	1	P0I1103	09/11/20	09/11/20	TPH 8015M	
Surrogate: 1-Chlorooctane		123 %	70-1	30	P0I1103	09/11/20	09/11/20	TPH 8015M	
Surrogate: o-Terphenyl		136 %	70-1	30	P011103	09/11/20	09/11/20	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	210	25.3	mg/kg dry	1	[CALC]	09/11/20	09/11/20	calc	

0.106

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

Fax:

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I1105 - General Preparation (GC	C)									
Blank (P0I1105-BLK1)				Prepared &	ե Analyzed:	09/11/20				
Benzene	ND	0.00100	mg/kg wet	•						
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.101		"	0.120		84.0	75-125			
Surrogate: 4-Bromofluorobenzene	0.0904		"	0.120		75.4	75-125			
LCS (P0I1105-BS1)				Prepared &	k Analyzed:	09/11/20				
Benzene	0.102	0.00100	mg/kg wet	0.100		102	70-130			
Toluene	0.0953	0.00100	"	0.100		95.3	70-130			
Ethylbenzene	0.0993	0.00100	"	0.100		99.3	70-130			
Xylene (p/m)	0.185	0.00200	"	0.200		92.6	70-130			
Xylene (o)	0.101	0.00100	"	0.100		101	70-130			
Surrogate: 1,4-Difluorobenzene	0.105		"	0.120		87.3	75-125			
Surrogate: 4-Bromofluorobenzene	0.0930		"	0.120		77.5	75-125			
LCS Dup (P0I1105-BSD1)				Prepared &	k Analyzed:	09/11/20				
Benzene	0.0905	0.00100	mg/kg wet	0.100	<u> </u>	90.5	70-130	12.4	20	
Toluene	0.0838	0.00100	"	0.100		83.8	70-130	12.8	20	
Ethylbenzene	0.108	0.00100	"	0.100		108	70-130	8.24	20	
Xylene (p/m)	0.163	0.00200	"	0.200		81.3	70-130	13.0	20	
Xylene (o)	0.0881	0.00100	"	0.100		88.1	70-130	13.6	20	
Surrogate: 1,4-Difluorobenzene	0.104		"	0.120		86.6	75-125			
Surrogate: 4-Bromofluorobenzene	0.0899		"	0.120		74.9	75-125			S-G
Calibration Check (P0I1105-CCV1)				Prepared &	t Analyzed:	09/11/20				
Benzene	0.0927	0.00100	mg/kg wet	0.100	-	92.7	80-120			
Toluene	0.0910	0.00100	"	0.100		91.0	80-120			
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120			
Xylene (p/m)	0.171	0.00200	"	0.200		85.4	80-120			
Xylene (o)	0.0952	0.00100	"	0.100		95.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.0888		"	0.120		74.0	75-125			

Permian Basin Environmental Lab, L.P.

Surrogate: 1,4-Difluorobenzene

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

88.7

75-125

0.120

Toluene

Ethylbenzene

Xylene (p/m)

Surrogate: 4-Bromofluorobenzene

Xylene (o)

Fax:

Dean Project: Plains Artesia Gathering East

0.0896

0.0974

0.166

0.0952

0.0922

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

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 P0I1105 - General Preparation (GC)										
Calibration Check (P0I1105-CCV2)				Prepared: 0	9/11/20 Ar	nalyzed: 09	/12/20			
Benzene	0.0923	0.00100	mg/kg wet	0.100		92.3	80-120			

0.100

0.100

0.200

0.100

0.120

89.6

97.4

83.0

95.2

76.8

80-120

80-120

80-120

80-120

75-125

0.00100

0.00100

0.00200

0.00100

Surrogate: 4-Bromofluorobenzene	0.0928		"	0.120	77.3	75-125
Surrogate: 1,4-Difluorobenzene	0.105		"	0.120	87.9	75-125
Calibration Check (P0I1105-CCV3)				Prepared: 09/11	1/20 Analyzed: 09/1	2/20
Benzene	0.0957	0.00100	mg/kg wet	0.100	95.7	80-120
Toluene	0.0861	0.00100	"	0.100	86.1	80-120
Ethylbenzene	0.0930	0.00100	"	0.100	93.0	80-120
Kylene (p/m)	0.161	0.00200	"	0.200	80.6	80-120
Xylene (o)	0.0923	0.00100	"	0.100	92.3	80-120
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120	88.6	75-125

Matrix Spike (P0I1105-MS1)	Sour	Source: 0I11001-01				alyzed: 09	9/12/20	
Benzene	0.105	0.00100	mg/kg dry	0.100	0.0450	60.0	80-120	QM-07
Toluene	0.0848	0.00100	"	0.100	0.0360	48.9	80-120	QM-07
Ethylbenzene	0.0661	0.00100	"	0.100	0.00854	57.5	80-120	QM-07
Xylene (p/m)	0.0939	0.00200	"	0.200	0.00331	45.3	80-120	QM-07
Xylene (o)	0.0441	0.00100	"	0.100	0.000820	43.3	80-120	QM-07
Surrogate: 4-Bromofluorobenzene	0.0913		"	0.120		76.1	75-125	
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		90.1	75-125	

Matrix Spike Dup (P0I1105-MSD1)	Sour	ce: 0I11001-	-01	Prepared: 09/11/20 Analyzed: 09/12/20						
Benzene	0.101	0.00100	mg/kg dry	0.100	0.0450	55.6	80-120	7.63	20	QM-07
Toluene	0.0834	0.00100	"	0.100	0.0360	47.5	80-120	2.93	20	QM-07
Ethylbenzene	0.0658	0.00100	"	0.100	0.00854	57.3	80-120	0.488	20	QM-07
Xylene (p/m)	0.0940	0.00200	"	0.200	0.00331	45.3	80-120	0.0552	20	QM-07
Xylene (o)	0.0442	0.00100	"	0.100	0.000820	43.4	80-120	0.254	20	QM-07
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		90.8	75-125			
Surrogate: 4-Bromofluorobenzene	0.0898		"	0.120		74.9	75-125			S-GC

Permian Basin Environmental Lab, L.P.

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Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

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 P0I1106 - *** DEFAULT PREP ***										
Blank (P0I1106-BLK1)				Prepared &	Analyzed:	09/11/20				
% Moisture	ND	0.1	%							
Blank (P0I1106-BLK2)				Prepared &	: Analyzed:	09/11/20				
% Moisture	ND	0.1	%							
Blank (P0I1106-BLK3)				Prepared &	: Analyzed:	09/11/20				
% Moisture	ND	0.1	%	-	-					
Duplicate (P0I1106-DUP1)	Sour	ce: 0I10001-1	.0	Prepared &	: Analyzed:	09/11/20				
% Moisture	4.0	0.1	%		5.0			22.2	20	
Duplicate (P0I1106-DUP2)	Sour	ce: 0I10001-2	20	Prepared &	Analyzed:	09/11/20				
% Moisture	4.0	0.1	%		4.0			0.00	20	
Duplicate (P0I1106-DUP3)	Sour	ce: 0I10001-3	35	Prepared &	Analyzed:	09/11/20				
% Moisture	10.0	0.1	%		11.0			9.52	20	
Duplicate (P0I1106-DUP4)	Sour	ce: 0I11001-0	8	Prepared &	: Analyzed:	09/11/20				
% Moisture	ND	0.1	%		ND				20	
Batch P0I1608 - *** DEFAULT PREP ***										
Blank (P0I1608-BLK1)				Prepared &	: Analyzed:	09/16/20				
Chloride	ND	1.00	mg/kg wet							
LCS (P0I1608-BS1)				Prepared &	: Analyzed:	09/16/20				
Chloride	415	1.00	mg/kg wet	400	-	104	80-120			

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

Fax:

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

Anglaro	Dagult	Reporting	I Inita	Spike	Source	0/DEC	%REC	DDD	RPD	Notes
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I1608 - *** DEFAULT PREP ***										
LCS Dup (P0I1608-BSD1)				Prepared: (	09/16/20 Aı	nalyzed: 09	/18/20			
Chloride	416	1.00	mg/kg wet	400		104	80-120	0.308	20	
Calibration Blank (P0I1608-CCB1)				Prepared &	Analyzed:	09/16/20				
Chloride	0.00		mg/kg wet							
Calibration Blank (P0I1608-CCB2)				Prepared &	Analyzed:	09/16/20				
Chloride	0.00	·	mg/kg wet	·	·	·		·	·	·
Calibration Check (P0I1608-CCV1)				Prepared &	Analyzed:	09/16/20				
Chloride	18.6		mg/kg	20.0		93.2	0-200			
Calibration Check (P0I1608-CCV2)				Prepared &	Analyzed:	09/16/20				
Chloride	19.1		mg/kg	20.0		95.7	0-200			
Calibration Check (P0I1608-CCV3)				Prepared: (	09/16/20 A1	nalyzed: 09	/17/20			
Chloride	18.9		mg/kg	20.0		94.3	0-200			
Matrix Spike (P0I1608-MS1)	Sour	ce: 0I16001-	-01	Prepared &	Analyzed:	09/16/20				
Chloride	511	1.05	mg/kg dry	526	8.48	95.5	80-120			
Matrix Spike (P0I1608-MS2)	Sour	ce: 0I11001-	-06	Prepared &	Analyzed:	09/16/20				
Chloride	477	1.01	mg/kg dry	505	0.586	94.3	80-120			
Matrix Spike Dup (P0I1608-MSD1)	Sour	ce: 0I16001-	-01	Prepared &	z Analyzed:	09/16/20				
Chloride	508	1.05	mg/kg dry	526	8.48	95.0	80-120	0.603	20	
Matrix Spike Dup (P0I1608-MSD2)	Sour	ce: 0I11001-	-06	Prepared &	Analyzed:	09/16/20				
Chloride	477	1.01	mg/kg dry	505	0.586	94.3	80-120	0.0509	20	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I1103 - TX 1005										
Blank (P0I1103-BLK1)				Prepared &	Analyzed:	09/11/20				
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	101		"	100		101	70-130			
Surrogate: o-Terphenyl	58.4		"	50.0		117	70-130			
LCS (P0I1103-BS1)				Prepared &	Analyzed:	09/11/20				
C6-C12	1030	25.0	mg/kg wet	1000		103	75-125			
>C12-C28	1140	25.0	"	1000		114	75-125			
Surrogate: 1-Chlorooctane	103		"	100		103	70-130			
Surrogate: o-Terphenyl	64.0		"	50.0		128	70-130			
LCS Dup (P0I1103-BSD1)				Prepared &	Analyzed:	09/11/20				
C6-C12	1030	25.0	mg/kg wet	1000		103	75-125	0.301	20	
>C12-C28	1140	25.0	"	1000		114	75-125	0.346	20	
Surrogate: 1-Chlorooctane	104		"	100		104	70-130			
Surrogate: o-Terphenyl	64.4		"	50.0		129	70-130			
Calibration Check (P0I1103-CCV1)				Prepared &	Analyzed:	09/11/20				
C6-C12	532	25.0	mg/kg wet	500		106	85-115			
>C12-C28	531	25.0	"	500		106	85-115			
Surrogate: 1-Chlorooctane	99.3		"	100		99.3	70-130			
Surrogate: o-Terphenyl	59.5		"	50.0		119	70-130			
Calibration Check (P0I1103-CCV2)				Prepared &	Analyzed:	09/11/20				
C6-C12	497	25.0	mg/kg wet	500		99.4	85-115			
>C12-C28	568	25.0	"	500		114	85-115			
Surrogate: 1-Chlorooctane	115		"	100		115	70-130			
Surrogate: o-Terphenyl	58.9		"	50.0		118	70-130			

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

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 P0I1103 - TX 1005										
Matrix Spike (P0I1103-MS1)	Sour	ce: 0I11003-	-04	Prepared &	k Analyzed:	: 09/11/20				
C6-C12	1170	27.8	mg/kg dry	1110	14.5	104	75-125			
>C12-C28	1330	27.8	"	1110	73.8	113	75-125			
Surrogate: 1-Chlorooctane	122		"	111		110	70-130			
Surrogate: o-Terphenyl	74.5		"	55.6		134	70-130			S-GC
Matrix Spike Dup (P0I1103-MSD1)	Sour	ce: 0I11003-	-04	Prepared &	k Analyzed:	: 09/11/20				
C6-C12	1090	27.8	mg/kg dry	1110	14.5	96.3	75-125	7.63	20	
>C12-C28	1290	27.8	"	1110	73.8	110	75-125	3.08	20	
Surrogate: 1-Chlorooctane	141		"	111		127	70-130			
Surrogate: o-Terphenyl	68.0		"	55.6		122	70-130			

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Jeff Kindley

#### **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-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

BULK Samples received in Bulk soil containers

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

	Drew	Darlor			
Report Approved By:			Date:	9/21/2020	

Brent Barron, Laboratory Director/Technical Director

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

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

Permian Basin Environmental Lab, L.P.

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

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Jeff Kindley

Permian Basin Environmental Lab, L.P.

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

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



# Analytical Report

### **Prepared for:**

Sylwia Reynolds
Dean
12600 W County Rd 91
Midland, TX 79707

Project: Plains Artesia Gathering East

Project Number: PP-2075 Location: Eddy County, NM

Lab Order Number: 0I23010



NELAP/TCEQ # T104704516-17-8

Report Date: 10/05/20

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-22 @ 3'	0I23010-01	Soil	09/18/20 09:00	09-23-2020 11:45
BH-23 @ 3'	0I23010-02	Soil	09/18/20 09:05	09-23-2020 11:45
BH-24 @ 3'	0I23010-03	Soil	09/18/20 09:10	09-23-2020 11:45
BH-25 @ 3'	0I23010-04	Soil	09/18/20 09:15	09-23-2020 11:45
BH-26 @ 3'	0I23010-05	Soil	09/18/20 09:20	09-23-2020 11:45
BH-27 @ 3'	0I23010-06	Soil	09/18/20 09:25	09-23-2020 11:45
BH-28 @ 3'	0I23010-07	Soil	09/18/20 09:30	09-23-2020 11:45
BH-29 @ 3'	0I23010-08	Soil	09/18/20 09:35	09-23-2020 11:45
BH-30 @ 3'	0I23010-09	Soil	09/18/20 09:40	09-23-2020 11:45
BH-31 @ 3'	0I23010-10	Soil	09/18/20 09:45	09-23-2020 11:45
BH-32 @ 3'	0I23010-11	Soil	09/18/20 09:50	09-23-2020 11:45
BH-33 @ 3'	0I23010-12	Soil	09/18/20 09:55	09-23-2020 11:45
BH-34 @ 3'	0I23010-13	Soil	09/18/20 10:00	09-23-2020 11:45
BH-35 @ 3'	0I23010-14	Soil	09/18/20 10:05	09-23-2020 11:45
BH-36 @ 3'	0I23010-15	Soil	09/18/20 10:10	09-23-2020 11:45
BH-37 @ 3'	0I23010-16	Soil	09/18/20 10:15	09-23-2020 11:45
BH-38 @ 3'	0I23010-17	Soil	09/18/20 10:20	09-23-2020 11:45
BH-39 @ 3'	0I23010-18	Soil	09/18/20 10:25	09-23-2020 11:45
BH-40 @ 3'	0I23010-19	Soil	09/18/20 10:30	09-23-2020 11:45
BH-41 @ 3'	0I23010-20	Soil	09/18/20 10:35	09-23-2020 11:45
BH-42 @ 3'	0I23010-21	Soil	09/18/20 10:40	09-23-2020 11:45
BH-43 @ 3'	0I23010-22	Soil	09/18/20 10:45	09-23-2020 11:45
BH-44 @ 3'	0I23010-23	Soil	09/18/20 10:50	09-23-2020 11:45
BH-45 @ 3'	0I23010-24	Soil	09/18/20 10:55	09-23-2020 11:45
BH-46 @ 3'	0I23010-25	Soil	09/18/20 11:00	09-23-2020 11:45
BH-47 @ 3'	0I23010-26	Soil	09/18/20 11:05	09-23-2020 11:45
BH-48 @ 3'	0I23010-27	Soil	09/18/20 11:10	09-23-2020 11:45
BH-49 @ 3'	0I23010-28	Soil	09/18/20 11:15	09-23-2020 11:45
BH-50 @ 3'	0I23010-29	Soil	09/18/20 11:20	09-23-2020 11:45
BH-51 @ 3'	0I23010-30	Soil	09/18/20 11:25	09-23-2020 11:45
BH-52 @ 3'	0I23010-31	Soil	09/18/20 11:30	09-23-2020 11:45
BH-53 @ 3'	0I23010-32	Soil	09/18/20 11:35	09-23-2020 11:45
BH-54 @ 3'	0I23010-33	Soil	09/18/20 11:40	09-23-2020 11:45
BH-55 @ 3'	0I23010-34	Soil	09/18/20 11:45	09-23-2020 11:45

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-56 @ 3'	0I23010-35	Soil	09/18/20 11:50	09-23-2020 11:4
BH-57 @ 3'	0I23010-36	Soil	09/22/20 08:50	09-23-2020 11:4
BH-58 @ 1'	0I23010-37	Soil	09/22/20 08:53	09-23-2020 11:4
BH-59 @ 1'	0123010-38	Soil	09/22/20 08:56	09-23-2020 11:4
BH-60 @ 1'	0123010-39	Soil	09/22/20 09:00	09-23-2020 11:4
BH-61 @ 1'	0I23010-40	Soil	09/22/20 09:05	09-23-2020 11:4
BH-62 @ 1'	0I23010-41	Soil	09/22/20 09:10	09-23-2020 11:4
BH-63 @ 1'	0I23010-42	Soil	09/22/20 09:15	09-23-2020 11:4
BH-64 @ 1'	0I23010-43	Soil	09/22/20 09:20	09-23-2020 11:4
BH-65 @ 1'	0I23010-44	Soil	09/22/20 09:25	09-23-2020 11:4
BH-66 @ 1'	0I23010-45	Soil	09/22/20 09:30	09-23-2020 11:4
BH-67 @ 1'	0I23010-46	Soil	09/22/20 09:35	09-23-2020 11:4
BH-68 @ 1'	0I23010-47	Soil	09/22/20 09:40	09-23-2020 11:4
BH-69 @ 1'	0I23010-48	Soil	09/22/20 09:45	09-23-2020 11:4
BH-70 @ 1'	0I23010-49	Soil	09/22/20 09:50	09-23-2020 11:4
BH-71 @ 1'	0I23010-50	Soil	09/22/20 09:55	09-23-2020 11:4
North SW A1 @ 1.5'	0I23010-51	Soil	09/22/20 10:05	09-23-2020 11:4
North SW A2 @ 1.5'	0I23010-52	Soil	09/22/20 10:10	09-23-2020 11:4
West SW A1 @ 1.5'	0I23010-53	Soil	09/22/20 10:15	09-23-2020 11:4
West SW A2 @ 1.5'	0I23010-54	Soil	09/22/20 10:20	09-23-2020 11:4
South SW A1 @ 1.5'	0I23010-55	Soil	09/22/20 10:25	09-23-2020 11:4
East SW A1 @ 1.5'	0I23010-56	Soil	09/22/20 10:30	09-23-2020 11:4
South SW A2 @ 2'	0I23010-57	Soil	09/22/20 10:40	09-23-2020 11:4
BH-72 @ 1'	0I23010-58	Soil	09/22/20 11:00	09-23-2020 11:4
BH-73 @ 1'	0I23010-59	Soil	09/22/20 11:05	09-23-2020 11:4
BH-74 @ 1'	0I23010-60	Soil	09/22/20 11:10	09-23-2020 11:4
BH-75 @ 1'	0I23010-61	Soil	09/22/20 11:15	09-23-2020 11:4
ВН-76 @ 1'	0I23010-62	Soil	09/22/20 11:20	09-23-2020 11:4
BH-77 @ 1'	0I23010-63	Soil	09/22/20 11:25	09-23-2020 11:4
BH-78 @ 1'	0I23010-64	Soil	09/22/20 11:30	09-23-2020 11:4
ВН-79 @ 1'	0I23010-65	Soil	09/22/20 11:35	09-23-2020 11:4
ВН-80 @ 1'	0I23010-66	Soil	09/22/20 11:40	09-23-2020 11:4
BH-81 @ 2'	0I23010-67	Soil	09/22/20 11:45	09-23-2020 11:4
North SW B1 @ 1'	0I23010-68	Soil	09/22/20 11:50	09-23-2020 11:4

Permian Basin Environmental Lab, L.P.

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Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
East SW B1 @ 1'	0I23010-69	Soil	09/22/20 11:55	09-23-2020 11:45
South SW B1 @ 1'	0I23010-70	Soil	09/22/20 12:00	09-23-2020 11:45
West SW B1 @ 1'	0I23010-71	Soil	09/22/20 12:05	09-23-2020 11:45
South SW B2 @ 6"	0I23010-72	Soil	09/22/20 12:15	09-23-2020 11:45
East SW B2 @ 6"	0I23010-73	Soil	09/22/20 12:20	09-23-2020 11:45
North SW B2 @ 6"	0I23010-74	Soil	09/22/20 12:25	09-23-2020 11:45
West SW B2 @ 6"	0I23010-75	Soil	09/22/20 12:30	09-23-2020 11:45
West SW A3 @ 6"	0I23010-76	Soil	09/22/20 13:00	09-23-2020 11:45

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-22 @ 3' 0I23010-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin F	Environmen	tal Lab, l	<b>P.</b>				
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		97.5 %	75-1.	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.5 %	75-1.	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
<b>General Chemistry Parameters by EPA / S</b>	Standard Method	ls							
Chloride	6.38	1.03	mg/kg dry	1	P0I2805	09/28/20	09/28/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by	y EPA Method 80	15M							
C6-C12	ND	25.8	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		82.7 %	70-1.	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		93.2 %	70-1.	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	09/23/20	09/24/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-23 @ 3' 0I23010-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmen	tal Lab, I	<b>L.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		99.5 %	75-12	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.2 %	75-12	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
General Chemistry Parameters by El	PA / Standard Method	ls							
Chloride	9.18	1.05	mg/kg dry	1	P0I2805	09/28/20	09/28/20	EPA 300.0	
% Moisture	5.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80	15M							
C6-C12	ND	26.3	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C12-C28	27.2	26.3	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		85.9 %	70-1.	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		95.2 %	70-1.	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	27.2	26.3	mg/kg dry	1	[CALC]	09/23/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-24 @ 3' 0123010-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin F	Environmen	ıtal Lab, I	<b>P.</b>				
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.7 %	75-1	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		98.0 %	75-1	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
<b>General Chemistry Parameters by EPA / Sta</b>	ndard Method	ls							
Chloride	6.57	1.03	mg/kg dry	1	P0I2805	09/28/20	09/28/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by E	PA Method 80	015M							
C6-C12	ND	25.8	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		85.4 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		96.4 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	09/23/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-25 @ 3' 0I23010-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin I	Environme	ntal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	75-1	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		92.6 %	75-1	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
<b>General Chemistry Parameters by EPA</b>	Standard Method	ls							
Chloride	2.71	1.05	mg/kg dry	1	P0I2805	09/28/20	09/28/20	EPA 300.0	
% Moisture	5.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 l	oy EPA Method 80	15M							
C6-C12	ND	26.3	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		85.3 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		97.5 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	09/23/20	09/24/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-26 @ 3' 0I23010-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Invironmen	tal Lab, I	P.				
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.9 %	75-1.	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		100 %	75-1.	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
General Chemistry Parameters by El	PA / Standard Method	s							
Chloride	2.43	1.01	mg/kg dry	1	P0I2805	09/28/20	09/28/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C12-C28	372	25.3	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C28-C35	184	25.3	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		82.2 %	70-1.	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		92.2 %	70-1.	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	556	25.3	mg/kg dry	1	[CALC]	09/23/20	09/24/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-27 @ 3' 0I23010-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmer	ıtal Lab, l	L.P.				
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		86.6 %	75-1	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.3 %	75-1	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
General Chemistry Parameters by El	PA / Standard Method	ls							
Chloride	5.29	1.02	mg/kg dry	1	P0I2805	09/28/20	09/28/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80	15M							
C6-C12	ND	25.5	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C12-C28	827	25.5	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C28-C35	430	25.5	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		76.5 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		87.2 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	1260	25.5	mg/kg dry	1	[CALC]	09/23/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-28 @ 3' 0I23010-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin F	Environme	ıtal Lab, I	P.				
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		98.4 %	75-1	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.7 %	75-1	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
<b>General Chemistry Parameters by EPA / Sta</b>	ndard Metho	ds							
Chloride	4.58	1.04	mg/kg dry	1	P0I2805	09/28/20	09/28/20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by E	PA Method 80	)15M							
C6-C12	ND	26.0	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		85.9 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		96.4 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	09/23/20	09/24/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-29 @ 3' 0I23010-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
- Amany to						Tropulou	7.11141,200		110105
	reri	nian Basin E	Invironmei	itai Lad, i	L.F.				
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		100 %	75-1	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.4 %	75-1	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
General Chemistry Parameters by EPA	Standard Method	ls							
Chloride	12.3	1.03	mg/kg dry	1	P0I2805	09/28/20	09/28/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 l	oy EPA Method 80	15M							
C6-C12	ND	25.8	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		97.8 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		108 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	09/23/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

ND

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-30 @ 3' 0123010-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perm	ian Basin E	Environmen	tal Lab, I	P.				
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	75-1.	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.2 %	75-1.	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
General Chemistry Parameters by El	PA / Standard Methods	s							
Chloride	7.07	1.04	mg/kg dry	1	P0I2805	09/28/20	09/28/20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 801	15M							
C6-C12	ND	26.0	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		94.0 %	70-1.	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		103 %	70-1.	30	P0I2311	09/23/20	09/24/20	TPH 8015M	

26.0 mg/kg dry

[CALC]

09/23/20

09/24/20

calc

Total Petroleum Hydrocarbon C6-C35

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-31 @ 3' 0I23010-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin I	Environme	ntal Lab, l	P.				
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.4 %	75-1	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		100 %	75-1	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
<b>General Chemistry Parameters by EPA</b>	Standard Method	ls							
Chloride	3.96	1.05	mg/kg dry	1	P0I2805	09/28/20	09/28/20	EPA 300.0	
% Moisture	5.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 b	oy EPA Method 80	15M							
C6-C12	ND	26.3	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		93.5 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		104 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	09/23/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-32 @ 3' 0I23010-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	nvironmen	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		98.4 %	75-1	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.2 %	75-1	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
General Chemistry Parameters by El	PA / Standard Method	s							
Chloride	3.63	1.01	mg/kg dry	1	P0I2805	09/28/20	09/28/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C12-C28	278	25.3	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C28-C35	138	25.3	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		86.4 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		98.2 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	417	25.3	mg/kg dry	1	[CALC]	09/23/20	09/24/20	cale	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-33 @ 3' 0I23010-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmen	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.7 %	75-1	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		99.4 %	75-1	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
General Chemistry Parameters by EF	A / Standard Method	ls							
Chloride	2.87	1.02	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C3	35 by EPA Method 80	15M							
C6-C12	ND	25.5	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C12-C28	151	25.5	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C28-C35	85.7	25.5	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		77.9 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		86.9 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	237	25.5	mg/kg dry	1	[CALC]	09/23/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-34 @ 3' 0I23010-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<u> </u>	Pern	nian Basin E	Environme	ıtal Lab, l	L <b>.P.</b>	•			
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.3 %	75-1	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		99.9 %	75-1	25	P0I2309	09/23/20	09/24/20	EPA 8021B	
General Chemistry Parameters by EPA	Standard Method	ls							
Chloride	12.1	1.03	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 l	oy EPA Method 80	15M							
C6-C12	ND	25.8	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		95.4 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		107 %	70-1	30	P0I2311	09/23/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	09/23/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-35 @ 3' 0I23010-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin F	Environmer	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00400	0.00103	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		127 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene		95.6 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	5.87	1.03	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.8	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C12-C28	58.3	25.8	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		82.9 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		95.7 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	58.3	25.8	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-36 @ 3' 0I23010-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perr	nian Basin F	Environme	ntal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.2 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		132 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	S-GC
<b>General Chemistry Parameters by EPA</b>	Standard Method	ls							
Chloride	7.71	1.03	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 l	oy EPA Method 80	)15M							
C6-C12	ND	25.8	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		80.5 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		92.4 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-37 @ 3' 0I23010-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin I	Environmer	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00386	0.00101	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00757	0.00101	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	0.00208	0.00202	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		124 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	6.08	1.01	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	)15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
>C12-C28	401	25.3	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
>C28-C35	234	25.3	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		84.9 %	70-1	30	P0I2405	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		100 %	70-1	30	P0I2405	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	635	25.3	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-38 @ 3' 0123010-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
	Perr	nian Basin F	Environmer	ntal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00263	0.00101	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00552	0.00101	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		136 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	S-G0
Surrogate: 1,4-Difluorobenzene		96.1 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	3.54	1.01	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80	)15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C12-C28	306	25.3	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C28-C35	103	25.3	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		81.0 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		91.4 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	409	25.3	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-39 @ 3' 0I23010-18 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin F	Environmer	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00272	0.00101	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00693	0.00101	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.1 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		116 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	3.07	1.01	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C12-C28	221	25.3	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C28-C35	101	25.3	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		77.6 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		88.0 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	321	25.3	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-40 @ 3' 0I23010-19 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin I	Environmen	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00194	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		122 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.9 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	4.84	1.04	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80	15M							
C6-C12	ND	26.0	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C12-C28	26.2	26.0	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		96.3 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		108 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	26.2	26.0	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

## BH-41 @ 3' 0I23010-20 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmer	ıtal Lab, I	P.				
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00140	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		129 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene		101 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
General Chemistry Parameters by EPA	/ Standard Method	ls							
Chloride	5.85	1.04	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 80	15M							
C6-C12	ND	26.0	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		91.1 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		104 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

## BH-42 @ 3' 0I23010-21 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perm	ian Basin F	Environmer	ıtal Lab, I	Ĺ. <b>P.</b>				
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00192	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.2 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		124 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
<b>General Chemistry Parameters by EP</b>	A / Standard Method	s							
Chloride	4.26	1.04	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 80	15M							
C6-C12	ND	26.0	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		85.3 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		98.9 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-43 @ 3' 0I23010-22 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perm	ian Basin F	Environme	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00181	0.00102	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00416	0.00102	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.3 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		127 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	S-GC
<b>General Chemistry Parameters by I</b>	EPA / Standard Method	s							
Chloride	7.51	1.02	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-	C35 by EPA Method 801	15M							
C6-C12	ND	25.5	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C12-C28	202	25.5	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C28-C35	80.8	25.5	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		88.0 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	

70-130

101 %

25.5 mg/kg dry

283

Surrogate: o-Terphenyl

C6-C35

**Total Petroleum Hydrocarbon** 

P0I2405

[CALC]

09/24/20

09/24/20

09/24/20

09/24/20

TPH 8015M

calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-44 @ 3' 0I23010-23 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environme	ıtal Lab, l	P.				
BTEX by 8021B									
Benzene	0.00470	0.00100	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00881	0.00100	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	0.00217	0.00200	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		98.0 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		127 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	S-GC
Comment Characters Bossess Assaches For	DA / 64 J J M-41 3	1-							
<u>General Chemistry Parameters by E</u> Chloride	2.79	1.00	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C12-C28	302	25.0	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C28-C35	114	25.0	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		91.8 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		106 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	415	25.0	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-45 @ 3' 0I23010-24 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin F	Environme	ıtal Lab, l	<b>P.</b>				
BTEX by 8021B									
Benzene	0.00232	0.00101	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00679	0.00101	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	0.00243	0.00202	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		120 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.9 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
General Chemistry Parameters by E	EPA / Standard Method	ls							
Chloride	6.84	1.01	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-0	C35 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C12-C28	114	25.3	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C28-C35	51.2	25.3	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		84.8 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		96.8 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	165	25.3	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-46 @ 3' 0I23010-25 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin E	Environmer	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00314	0.00103	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00711	0.00103	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	0.00224	0.00206	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		128 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene		96.3 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	4.24	1.03	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.8	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C12-C28	441	25.8	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C28-C35	170	25.8	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		93.6 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		106 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	611	25.8	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-47 @ 3' 0123010-26 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmen	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00466	0.00102	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00886	0.00102	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		130 %	75-1.	25	P0I2412	09/24/20	09/29/20	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene		92.2 %	75-1.	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	6.45	1.02	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.5	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C12-C28	590	25.5	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C28-C35	209	25.5	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		79.6 %	70-1.	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		93.6 %	70-1.	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	799	25.5	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

## BH-48 @ 3' 0I23010-27 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin F	nvironmer	ıtal Lab, I	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00192	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00527	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	0.00215	0.00208	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		128 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene		89.6 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
General Chemistry Parameters by E	<b>EPA / Standard Method</b>	ds							
Chloride	5.61	1.04	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	)15M							
C6-C12	ND	26.0	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C12-C28	106	26.0	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
>C28-C35	42.7	26.0	mg/kg dry	1	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		87.8 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		100 %	70-1	30	P0I2405	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	149	26.0	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

## BH-49 @ 3' 0I23010-28 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmen	tal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00453	0.00100	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00733	0.00100	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		91.0 %	75-1.	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		128 %	75-1.	25	P0I2412	09/24/20	09/29/20	EPA 8021B	S-GC
General Chemistry Parameters by E	<b>EPA / Standard Method</b>	ls							
Chloride	4.24	1.00	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
>C12-C28	794	25.0	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
>C28-C35	293	25.0	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		84.4 %	70-1.	30	P0I2405	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		101 %	70-1.	30	P0I2405	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon	1090	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	
C6-C35									

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

## BH-50 @ 3' 0I23010-29 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit	Omo	Diation	Dateii	Першей	- mary zed	monou	11010
	Pern	nian Basin E	Invironmen	ıtal Lab, I	<b>P.</b>				
BTEX by 8021B									
Benzene	0.00352	0.00102	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00723	0.00102	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	0.00212	0.00204	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		124 %	75-1.	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.6 %	75-1.	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
General Chemistry Parameters by E	'PA / Standard Method	's							
Chloride	7.09	1.02	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-0	C35 by EPA Method 80	15M							
C6-C12	ND	25.5	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
>C12-C28	453	25.5	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
>C28-C35	211	25.5	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		82.7 %	70-1.	30	P0I2405	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		94.2 %	70-1.	30	P0I2405	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	665	25.5	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

-2075

## BH-51 @ 3' 0I23010-30 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environme	ntal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00106	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00188	0.00106	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.1 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		133 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	S-GC
General Chemistry Parameters by E	EPA / Standard Method	s							
Chloride	3.39	1.06	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	6.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	26.6	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
>C12-C28	90.3	26.6	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
>C28-C35	39.9	26.6	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		83.6 %	70-1	30	P0I2405	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		96.2 %	70-1	30	P0I2405	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	130	26.6	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-52 @ 3' 0I23010-31 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin E	Environme	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00353	0.00103	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00942	0.00103	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	0.00137	0.00103	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	0.00354	0.00206	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		124 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		98.5 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	6.29	1.03	mg/kg dry	1	P0I2903	09/29/20	09/30/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80	)15M							
C6-C12	ND	25.8	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
>C12-C28	141	25.8	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
>C28-C35	75.0	25.8	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		81.8 %	70-1	30	P0I2405	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		94.4 %	70-1	30	P0I2405	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon	216	25.8	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

C6-C35

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-53 @ 3' 0I23010-32 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin F	Environmer	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00301	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.00675	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.6 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		116 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	3.66	1.04	mg/kg dry	1	P0I2904	09/29/20	09/30/20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	235 by EPA Method 80	15M							
C6-C12	ND	26.0	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
>C12-C28	628	26.0	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
>C28-C35	261	26.0	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		76.1 %	70-1	30	P0I2405	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		87.4 %	70-1	30	P0I2405	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	889	26.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-54 @ 3' 0I23010-33 (Soil)

	ъ.	Reporting	T7 *-	D" ·	D	ъ .		Mar.	37
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Invironmen	ıtal Lab, I	<b>P.</b>				
BTEX by 8021B									
Benzene	0.00411	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Toluene	0.0101	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Ethylbenzene	0.00132	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (p/m)	0.00344	0.00208	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		104 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		120 %	75-1	25	P0I2412	09/24/20	09/29/20	EPA 8021B	
General Chemistry Parameters by E	'PA / Standard Method	le.							
<u>General Chemistry Farameters by E</u> Chloride	4.00	1.04	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-0	C35 by EPA Method 80	15M							
C6-C12	ND	26.0	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
>C12-C28	712	26.0	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
>C28-C35	277	26.0	mg/kg dry	1	P0I2405	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		79.9 %	70-1	30	P0I2405	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		90.8 %	70-1	30	P0I2405	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	989	26.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

BH-55 @ 3' 0I23010-34 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmen	ıtal Lab, I	P.				
BTEX by 8021B									
Benzene	0.00526	0.00104	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.00545	0.00104	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		96.9 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		120 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
General Chemistry Parameters by El	PA / Standard Method	s							
Chloride	4.33	1.04	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80	15M							
C6-C12	ND	26.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C12-C28	352	26.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C28-C35	148	26.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		93.6 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		99.2 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	500	26.0	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-56 @ 3' 0I23010-35 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin F	Environmer	ıtal Lab, l	P.				
BTEX by 8021B									
Benzene	0.00411	0.00102	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.00712	0.00102	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		126 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene		98.1 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	3.07	1.02	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	235 by EPA Method 80	15M							
C6-C12	ND	25.5	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C12-C28	499	25.5	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C28-C35	220	25.5	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		84.8 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		88.2 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	719	25.5	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-57 @ 3' 0123010-36 (Soil)

		<u>`</u>							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
	Peri	nian Basin I	Environme	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00397	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.00462	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		130 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	S-G
Surrogate: 1,4-Difluorobenzene		99.2 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	10.0	1.01	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	235 by EPA Method 80	)15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C12-C28	184	25.3	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C28-C35	73.2	25.3	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		96.7 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		102 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon	258	25.3	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

C6-C35

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

## BH-58 @ 1' 0I23010-37 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perm	nian Basin E	nvironmen	ital Lab, L	P.				
BTEX by 8021B									
Benzene	0.00568	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.00796	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		103 %	75-1.	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		117 %	75-1.	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
General Chemistry Parameters by F	CPA / Standard Method	<u>s</u>							
Chloride	3.78	1.01	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-0	C35 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C12-C28	504	25.3	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C28-C35	177	25.3	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		90.1 %	70-1.	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		91.5 %	70-1.	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	680	25.3	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

## BH-59 @ 1' 0I23010-38 (Soil)

	ъ.	Reporting	TT 1:	D11 - 1	D . 1	ъ .		M.d. I	37.
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
	Perr	nian Basin E	Environmen	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00509	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.00807	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		123 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	3.99	1.00	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	015M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C12-C28	356	25.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C28-C35	119	25.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		95.7 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		97.3 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	476	25.0	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-60 @ 1' 0I23010-39 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Zimiye	result	Lillit	Omis	Dilution	Datell	1 icpaicd	Allalyzeu	Method	11016
	Pern	nian Basin E	Environmer	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00643	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.0131	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	0.00142	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	0.00342	0.00202	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		119 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.5 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
General Chemistry Parameters by E	CPA / Standard Method	ls							
Chloride	6.95	1.01	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C12-C28	194	25.3	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C28-C35	66.5	25.3	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		95.1 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		98.2 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	260	25.3	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

## BH-61 @ 1' 0I23010-40 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
	Perm	nian Basin E	nvironmen	ıtal Lab, I	<b>□.P.</b>				
BTEX by 8021B									
Benzene	0.00834	0.00102	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.0152	0.00102	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	0.00144	0.00102	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	0.00330	0.00204	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		118 %	75-1.	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		98.6 %	75-1.	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
General Chemistry Parameters by El	PA / Standard Method	<u>s</u>							
Chloride	3.97	1.02	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80	15M							
C6-C12	ND	25.5	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C12-C28	205	25.5	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C28-C35	69.6	25.5	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		91.7 %	70-1.	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		94.8 %	70-1.	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	275	25.5	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

-2075 Iwia Raynolds

## BH-62 @ 1' 0I23010-41 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin F	Environmen	ıtal Lab, l	P.				
BTEX by 8021B									
Benzene	0.00590	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.00927	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		100 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		123 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	6.35	1.01	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C12-C28	202	25.3	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C28-C35	77.2	25.3	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		95.3 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		98.2 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	280	25.3	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

## BH-63 @ 1' 0I23010-42 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin F	Environmer	ıtal Lab, l	L <b>.P.</b>		· · · · · · · · · · · · · · · · · · ·		
BTEX by 8021B									
Benzene	0.00528	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.00753	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.1 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		125 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ds							
Chloride	3.66	1.00	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	015M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C12-C28	198	25.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C28-C35	87.5	25.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		93.2 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		95.3 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	285	25.0	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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## BH-64 @ 1' 0I23010-43 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environme	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00479	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.00966	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	0.00107	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	0.00216	0.00202	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.7 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		129 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	S-GC
General Chemistry Parameters by F	EPA / Standard Method	1.01	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-0	C35 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C12-C28	134	25.3	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C28-C35	57.6	25.3	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		97.7 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		101 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	192	25.3	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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# BH-65 @ 1' 0I23010-44 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmer	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00697	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.00894	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.6 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		125 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
General Chemistry Parameters by F	EPA / Standard Method	ls							
Chloride	7.49	1.00	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-0	C35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C12-C28	166	25.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C28-C35	68.8	25.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		98.7 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		104 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	235	25.0	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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## BH-66 @ 1' 0I23010-45 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin E	Environmen	ıtal Lab, l	<b>P.</b>				
BTEX by 8021B									
Benzene	0.00455	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.00642	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		122 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.0 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	5.81	1.00	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	235 by EPA Method 80	)15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C12-C28	235	25.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C28-C35	99.4	25.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		96.3 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		101 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	335	25.0	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-67 @ 1' 0I23010-46 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		nian Basin E				1			
BTEX by 8021B									
Benzene	0.00499	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.00791	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.7 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		127 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	S-GC
General Chemistry Parameters by E	EPA / Standard Method	ls							
Chloride	6.13	1.00	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-0	C35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C12-C28	248	25.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
>C28-C35	104	25.0	mg/kg dry	1	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		96.6 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Surrogate: o-Terphenyl		100 %	70-1	30	P0I2406	09/24/20	09/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	352	25.0	mg/kg dry	1	[CALC]	09/24/20	09/24/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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## BH-68 @ 1' 0I23010-47 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environme	ıtal Lab, I	P.				
BTEX by 8021B									
Benzene	0.00447	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.00650	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		120 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		103 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
General Chemistry Parameters by E	<b>EPA / Standard Method</b>	ls							
Chloride	2.52	1.00	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
>C12-C28	247	25.0	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
>C28-C35	97.6	25.0	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		89.6 %	70-1	30	P0I2406	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		92.4 %	70-1	30	P0I2406	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	345	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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## BH-69 @ 1' 0I23010-48 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin F	Environmer	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00645	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.0129	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	0.00135	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	0.00290	0.00200	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		116 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		103 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	8.79	1.00	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	<u> </u>
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
>C12-C28	128	25.0	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
>C28-C35	55.6	25.0	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		92.1 %	70-1	30	P0I2406	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		95.5 %	70-1	30	P0I2406	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	184	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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## BH-70 @ 1' 0I23010-49 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perm	nian Basin E	nvironmen	ıtal Lab, I	P.				
BTEX by 8021B									
Benzene	0.00394	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.00831	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	0.00107	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	0.00236	0.00202	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		124 %	75-1.	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.3 %	75-1.	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	<u>s</u>							
Chloride	2.95	1.01	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
>C12-C28	85.9	25.3	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
>C28-C35	35.1	25.3	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		90.4 %	70-1.	30	P0I2406	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		93.8 %	70-1.	30	P0I2406	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	121	25.3	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

## BH-71 @ 1' 0I23010-50 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environme	ntal Lab, I	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00157	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.00667	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	0.00118	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	0.00282	0.00202	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		118 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		100 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
General Chemistry Parameters by EPA	/ Standard Method	ls							
Chloride	3.13	1.01	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		78.2 %	70-1	30	P0I2406	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		88.3 %	70-1	30	P0I2406	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	
-									

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

> North SW A1 @ 1.5' 0I23010-51 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin F	Environme	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00877	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.0146	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	0.00148	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	0.00322	0.00200	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		116 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
General Chemistry Parameters by E									
Chloride	2.87	1.00	mg/kg dry	1	P0I2904	09/29/20	10/01/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-0	C35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
>C12-C28	238	25.0	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
>C28-C35	80.7	25.0	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		89.7 %	70-1	30	P0I2406	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		92.2 %	70-1	30	P0I2406	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	319	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

> North SW A2 @ 1.5' 0I23010-52 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
· imije	Result	Lillit	Omo	Ditation	Dateii	7 repared	7 thany zed	Method	11010.
	Perr	nian Basin E	Environme	ıtal Lab, l	<b>L.P.</b>				
BTEX by 8021B									
Benzene	0.00637	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.00906	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		120 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	4.61	1.00	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
>C12-C28	270	25.0	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
>C28-C35	85.4	25.0	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		92.3 %	70-1	30	P0I2406	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		94.3 %	70-1	30	P0I2406	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	356	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

West SW A1 @ 1.5' 0I23010-53 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
<u> </u>									
	Pern	nian Basin E	ınvıronmer	itai Lab, I	∟ <b></b>				
BTEX by 8021B									
Benzene	0.00878	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Toluene	0.0151	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Ethylbenzene	0.00157	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (p/m)	0.00344	0.00200	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		100 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		120 %	75-1	25	P0I2414	09/24/20	09/30/20	EPA 8021B	
General Chemistry Parameters by E	CPA / Standard Method	ls							
Chloride	3.74	1.00	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
>C12-C28	127	25.0	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
>C28-C35	37.9	25.0	mg/kg dry	1	P0I2406	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		98.0 %	70-1	30	P0I2406	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		100 %	70-1	30	P0I2406	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	165	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

### West SW A2 @ 1.5' 0I23010-54 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
	Pern	nian Basin E	Environmer	ıtal Lab, I	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00587	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Toluene	0.0113	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Ethylbenzene	0.00196	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Xylene (p/m)	0.00480	0.00200	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Xylene (o)	0.00111	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		122 %	75-1	25	P0I3003	09/30/20	10/01/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-1	25	P0I3003	09/30/20	10/01/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	6.08	1.00	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	187	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	45.8	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		74.8 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		78.5 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	233	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

South SW A1 @ 1.5' 0123010-55 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
	Peri	nian Basin I	Environme	ntal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00149	0.00101	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Toluene	0.00727	0.00101	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Ethylbenzene	0.00179	0.00101	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Xylene (p/m)	0.00471	0.00202	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		98.8 %	75-1	25	P0I3003	09/30/20	10/01/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		124 %	75-1	25	P0I3003	09/30/20	10/01/20	EPA 8021B	
General Chemistry Parameters by EPA	/ Standard Method	ds							
Chloride	5.71	1.01	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 80	)15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		89.4 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		96.2 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

## East SW A1 @ 1.5' 0123010-56 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1 mary to	Result	Liiiit	Omts	Dilation	Daten	Терагси	- maryzed	Wichiod	TNOICE
	Pern	nian Basin E	Invironmen	ıtal Lab, I	Ĺ <b>.P.</b>				
BTEX by 8021B									
Benzene	0.00179	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Toluene	0.00700	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Ethylbenzene	0.00119	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Xylene (p/m)	0.00298	0.00200	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		118 %	75-1	25	P0I3003	09/30/20	10/01/20	EPA 8021B	·
Surrogate: 1,4-Difluorobenzene		97.6 %	75-1	25	P0I3003	09/30/20	10/01/20	EPA 8021B	
General Chemistry Parameters by EPA	/ Standard Method	ls							
Chloride	4.29	1.00	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		94.1 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		99.4 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

South SW A2 @ 2' 0I23010-57 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin F	Environmer	ıtal Lab, I	P.		-		
BTEX by 8021B									
Benzene	0.00290	0.00101	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Toluene	0.0116	0.00101	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Ethylbenzene	0.00172	0.00101	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Xylene (p/m)	0.00421	0.00202	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		116 %	75-1	25	P0I3003	09/30/20	10/01/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		98.3 %	75-1	25	P0I3003	09/30/20	10/01/20	EPA 8021B	
General Chemistry Parameters by EPA	/ Standard Method	ls							
Chloride	8.82	1.01	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		85.1 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		92.6 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

#### BH-72 @ 1' 0I23010-58 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environme	ıtal Lab, I	P.				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.7 %	75-1	25	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		130 %	75-1	25	P0I3003	09/30/20	09/30/20	EPA 8021B	S-GC
<b>General Chemistry Parameters by EPA</b>	Standard Method	ls							
Chloride	7.71	1.00	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 b	oy EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		90.6 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		97.2 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

#### BH-73 @ 1' 0I23010-59 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmen	tal Lab, I	P.				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		95.9 %	75-12	25	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		130 %	75-12	25	P0I3003	09/30/20	09/30/20	EPA 8021B	S-GC
General Chemistry Parameters by EF	A / Standard Method	s							
Chloride	9.21	1.00	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C3	35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	44.0	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		85.8 %	70-13	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		94.0 %	70-13	80	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	44.0	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

> BH-74 @ 1' 0I23010-60 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perr	nian Basin E	Environme	ntal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.9 %	75-1	25	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		129 %	75-1	25	P0I3003	09/30/20	09/30/20	EPA 8021B	S-GC
<b>General Chemistry Parameters by EPA</b>	/ Standard Method	ls							
Chloride	7.89	1.01	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		91.8 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		98.3 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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#### BH-75 @ 1' 0I23010-61 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilling to						Trepared	7 mary 2cu	Withou	110103
	Perm	iian Basin E	Invironme	ıtal Lab, I	<b>L.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.4 %	75-1	25	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		125 %	75-1	25	P0I3003	09/30/20	09/30/20	EPA 8021B	
General Chemistry Parameters by El	PA / Standard Method	s							
Chloride	7.63	1.00	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	32.0	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		92.8 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		99.4 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	32.0	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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#### BH-76 @ 1' 0I23010-62 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmer	ıtal Lab, l	<b>P.</b>				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		128 %	75-1	25	P0I3003	09/30/20	09/30/20	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene		96.6 %	75-1	25	P0I3003	09/30/20	09/30/20	EPA 8021B	
General Chemistry Parameters by EP	'A / Standard Method	ls							
Chloride	7.96	1.00	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
<b>Total Petroleum Hydrocarbons C6-C3</b>	35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	30.0	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		93.9 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		101 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	30.0	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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#### BH-77 @ 1' 0I23010-63 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environme	ntal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		125 %	75-1	25	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.5 %	75-1	25	P0I3003	09/30/20	09/30/20	EPA 8021B	
General Chemistry Parameters by EPA /	Standard Method	ls							
Chloride	7.24	1.00	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 b	oy EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		99.7 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		107 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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#### BH-78 @ 1' 0I23010-64 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		nian Basin E				1			
BTEX by 8021B				,					
Benzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		122 %	75-1.	25	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		98.4 %	75-1.	25	P0I3003	09/30/20	09/30/20	EPA 8021B	
General Chemistry Parameters by El	PA / Standard Method	ls							
Chloride	5.86	1.00	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	27.6	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		94.1 %	70-1.	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		102 %	70-1.	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	27.6	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

#### BH-79 @ 1' 0I23010-65 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin F	Environme	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		98.1 %	75-1	25	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		124 %	75-1	25	P0I3003	09/30/20	09/30/20	EPA 8021B	
<b>General Chemistry Parameters by EPA</b>	Standard Method	ls							
Chloride	6.61	1.00	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 l	oy EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		95.8 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		102 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

### BH-80 @ 1' 0I23010-66 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmen	tal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		96.8 %	75-1.	25	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		126 %	75-1.	25	P0I3003	09/30/20	09/30/20	EPA 8021B	S-GC
General Chemistry Parameters by El	PA / Standard Method	ls							
Chloride	5.16	1.00	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	30.8	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		96.9 %	70-1.	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		105 %	70-1.	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	30.8	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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#### BH-81 @ 2' 0I23010-67 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
	Perm	nian Basin E	nvironmen	ıtal Lab, I	<b>P.</b>				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		117 %	75-12	25	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-12	25	P0I3003	09/30/20	09/30/20	EPA 8021B	
General Chemistry Parameters by EF	PA / Standard Method	<u>s</u>							
Chloride	8.61	1.00	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C3	35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	39.6	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		77.9 %	70-1.	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		83.1 %	70-1.	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	39.6	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

North SW B1 @ 1' 0123010-68 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	mian Basin F	Environmen	tal Lab, I	P.				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		100 %	75-12	25	P0I3003	09/30/20	09/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		123 %	75-12	25	P0I3003	09/30/20	09/30/20	EPA 8021B	
<b>General Chemistry Parameters by EPA / Sta</b>	andard Method	ds							
Chloride	3.41	1.00	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by E	PA Method 80	)15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		104 %	70-1.	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		110 %	70-1.	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

#### East SW B1 @ 1' 0I23010-69 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perr	nian Basin F	Environmen	tal Lab, I	P.				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-12	25	P0I3003	09/30/20	10/01/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		118 %	75-12	25	P0I3003	09/30/20	10/01/20	EPA 8021B	
<b>General Chemistry Parameters by EPA / St</b>	tandard Method	ls							
Chloride	7.07	1.00	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by	EPA Method 80	015M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		90.3 %	70-1.	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		96.3 %	70-1.	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Jumber: PP-2075

t Manager. Syrwia Reynolus

### South SW B1 @ 1' 0I23010-70 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	iian Basin E	Environme	ıtal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		120 %	75-1	25	P0I3003	09/30/20	10/01/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-1	25	P0I3003	09/30/20	10/01/20	EPA 8021B	
General Chemistry Parameters by EP.	A / Standard Method	s							
Chloride	9.39	1.00	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	35.6	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		103 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		108 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	35.6	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

West SW B1 @ 1' 0I23010-71 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmen	tal Lab, I	P.				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3003	09/30/20	10/01/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		124 %	75-12	25	P0I3003	09/30/20	10/01/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.7 %	75-12	25	P0I3003	09/30/20	10/01/20	EPA 8021B	
General Chemistry Parameters by EF	PA / Standard Method	S							
Chloride	12.4	1.00	mg/kg dry	1	P0I2906	09/29/20	09/29/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C3	35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	44.2	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		103 %	70-1.	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		109 %	70-1.	80	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	44.2	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

South SW B2 @ 6" 0I23010-72 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin F	Environme	ıtal Lab, I	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-1	25	P0I3009	09/30/20	10/01/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		121 %	75-1	25	P0I3009	09/30/20	10/01/20	EPA 8021B	
<b>General Chemistry Parameters by EPA</b>	Standard Method	ls							
Chloride	11.6	1.00	mg/kg dry	1	P0J0105	10/01/20	10/01/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 l	oy EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		95.3 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		102 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

East SW B2 @ 6" 0I23010-73 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin F	Environmen	ıtal Lab, l	P.				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		123 %	75-1	25	P0I3009	09/30/20	10/01/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-1	25	P0I3009	09/30/20	10/01/20	EPA 8021B	
General Chemistry Parameters by EPA/	Standard Method	ls							
Chloride	4.76	1.00	mg/kg dry	1	P0J0105	10/01/20	10/01/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 b	oy EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		101 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		108 %	70-1	30	P0I2407	09/24/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/24/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

### North SW B2 @ 6" 0I23010-74 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Thayte						Trepared	7 Hary Zea	Wethou	110103
	Peri	mian Basin E	nvironmer	ital Lab, I	∠.P.				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		124 %	75-1	25	P0I3009	09/30/20	10/01/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-1	25	P0I3009	09/30/20	10/01/20	EPA 8021B	
<b>General Chemistry Parameters by EPA / Sta</b>	ndard Metho	ds							
Chloride	8.45	1.00	mg/kg dry	1	P0J0105	10/01/20	10/01/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by E	PA Method 80	015M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2505	09/25/20	09/25/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0I2505	09/25/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2505	09/25/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		87.8 %	70-1	30	P0I2505	09/25/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		95.3 %	70-1	30	P0I2505	09/25/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/25/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

West SW B2 @ 6" 0I23010-75 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perr	nian Basin F	Environmer	ıtal Lab, l	P.				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		119 %	75-1	25	P0I3009	09/30/20	10/01/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-1	25	P0I3009	09/30/20	10/01/20	EPA 8021B	
General Chemistry Parameters by EPA/	Standard Method	ls							
Chloride	6.57	1.00	mg/kg dry	1	P0J0105	10/01/20	10/01/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 b	oy EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2505	09/25/20	09/25/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0I2505	09/25/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2505	09/25/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		99.1 %	70-1	30	P0I2505	09/25/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		104 %	70-1	30	P0I2505	09/25/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/25/20	09/25/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

West SW A3 @ 6" 0123010-76 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
y		nian Basin E				2100000	111111, 204		1.500
DEEDY L 0044 D	rem	iiaii Dasiii E	an vii ominei	itai Lad, I	J.1 .				
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		125 %	75-1	25	P0I3009	09/30/20	10/01/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-1	25	P0I3009	09/30/20	10/01/20	EPA 8021B	
General Chemistry Parameters by El	PA / Standard Method	ls							
Chloride	3.37	1.00	mg/kg dry	1	P0J0105	10/01/20	10/01/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0I2402	09/24/20	09/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0I2505	09/25/20	09/25/20	TPH 8015M	
>C12-C28	40.1	25.0	mg/kg dry	1	P0I2505	09/25/20	09/25/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0I2505	09/25/20	09/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		89.2 %	70-1	30	P0I2505	09/25/20	09/25/20	TPH 8015M	
Surrogate: o-Terphenyl		92.2 %	70-1	30	P0I2505	09/25/20	09/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	40.1	25.0	mg/kg dry	1	[CALC]	09/25/20	09/25/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

RPD

%REC

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

Spike

Source

Reporting

Analyte								Limit	
Batch P0I2309 - General Preparation (GC)									
Blank (P012309-BLK1)				Prepared: (	09/23/20 A1	nalyzed: 09	/24/20		
Benzene	ND	0.00100	mg/kg wet						
Toluene	ND	0.00100	"						
Ethylbenzene	ND	0.00100	"						
Xylene (p/m)	0.00210	0.00200	"						
Xylene (o)	ND	0.00100	"						
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.3	75-125		
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		96.0	75-125		
LCS (P0I2309-BS1)				Prepared &	Analyzed:	09/23/20			
Benzene	0.0889	0.00100	mg/kg wet	0.100		88.9	70-130		
Toluene	0.0924	0.00100	"	0.100		92.4	70-130		
Ethylbenzene	0.101	0.00100	"	0.100		101	70-130		
Xylene (p/m)	0.191	0.00200	"	0.200		95.6	70-130		
Xylene (o)	0.105	0.00100	"	0.100		105	70-130		
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.3	75-125		
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.2	75-125		

Benzene	0.0863	0.00100 mg/kg wet	0.100	86.3	70-130	2.99	20	
Toluene	0.0863	0.00100 "	0.100	86.3	70-130	6.85	20	
Ethylbenzene	0.0946	0.00100 "	0.100	94.6	70-130	6.08	20	
Xylene (p/m)	0.182	0.00200 "	0.200	91.2	70-130	4.66	20	
Xylene (o)	0.0986	0.00100 "	0.100	98.6	70-130	6.18	20	
Surrogate: 1,4-Difluorobenzene	0.114	"	0.120	94.6	75-125			
Surrogate: 4-Bromofluorobenzene	0.117	"	0.120	97.4	75-125			
Calibration Check (P0I2309-CCV1)			Prepared & Analy	yzed: 09/23/20				
Benzene	0.0886	0.00100 mg/kg wet	0.100	88.6	80-120			

0.100

Ethylbenzene 0.103 0.00100 103 80-120 0.100 0.187 0.00200 93.7 80-120 Xylene (p/m) 0.200 Xylene (o) 0.107 0.00100 0.100 107 80-120 0.109 0.120 90.9 75-125  $Surrogate: \ 4-Bromofluor obenzene$ Surrogate: 1,4-Difluorobenzene 0.111 0.120 92.9 75-125

0.00100

0.0914

Permian Basin Environmental Lab, L.P.

Toluene

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91.4

80-120

Dean Project: Plains Artesia Gathering East

0.133

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

## 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
·		Lillit	Omo	Level	Result	/UKEC	Lillius	KI D	Liiiit	TYOICS
Batch P0I2309 - General Preparation (GC)	)									
Calibration Check (P0I2309-CCV2)				Prepared: (	09/23/20 A	nalyzed: 09	/24/20			
Benzene	0.0826	0.00100	mg/kg wet	0.100		82.6	80-120			
Toluene	0.0819	0.00100	"	0.100		81.9	80-120			
Ethylbenzene	0.0885	0.00100	"	0.100		88.5	80-120			
Xylene (p/m)	0.165	0.00200	"	0.200		82.7	80-120			
Xylene (o)	0.0896	0.00100	"	0.100		89.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.3	75-125			
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.6	75-125			
Calibration Check (P0I2309-CCV3)				Prepared: (	09/23/20 A	nalyzed: 09	/24/20			
Benzene	0.0919	0.00100	mg/kg wet	0.100		91.9	80-120			
Toluene	0.0882	0.00100	"	0.100		88.2	80-120			
Ethylbenzene	0.0956	0.00100	"	0.100		95.6	80-120			
Xylene (p/m)	0.181	0.00200	"	0.200		90.4	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.1	75-125			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.4	75-125			
Matrix Spike (P0I2309-MS1)	Sou	ırce: 0123008	-21	Prepared: (	09/23/20 A	nalyzed: 09	/24/20			
Benzene	0.0866	0.00114	mg/kg dry	0.114	ND	76.2	80-120			QM-0
Toluene	0.0785	0.00114	"	0.114	ND	69.1	80-120			QM-0
Ethylbenzene	0.0989	0.00114	"	0.114	ND	87.0	80-120			
Xylene (p/m)	0.165	0.00227	"	0.227	ND	72.4	80-120			QM-0
Xylene (o)	0.0844	0.00114	"	0.114	ND	74.3	80-120			QM-0
Surrogate: 1,4-Difluorobenzene	0.130		"	0.136		95.7	75-125			
Surrogate: 4-Bromofluorobenzene	0.133		"	0.136		97.4	75-125			
Matrix Spike Dup (P012309-MSD1)	Sou	ırce: 0123008	-21	Prepared: (	09/23/20 A	nalyzed: 09	/24/20			
Benzene	0.0933	0.00114	mg/kg dry	0.114	ND	82.1	80-120	7.46	20	
Toluene	0.0851	0.00114	"	0.114	ND	74.9	80-120	8.10	20	QM-0
Ethylbenzene	0.107	0.00114	"	0.114	ND	94.0	80-120	7.73	20	
Xylene (p/m)	0.178	0.00227	"	0.227	ND	78.5	80-120	8.10	20	QM-0
Xylene (o)	0.0934	0.00114	"	0.114	ND	82.2	80-120	10.1	20	
Surrogate: 1,4-Difluorobenzene	0.130		"	0.136		95.7	75-125			

Permian Basin Environmental Lab, L.P.

Surrogate: 4-Bromofluorobenzene

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75-125

0.136

0.0903

0.0903

0.104

0.192

0.113

0.119

0.150

0.00100

0.00100

0.00100

0.00200

0.00100

mg/kg wet

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

RPD

%REC

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

Spike

Source

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I2412 - General Preparation (G	C)									
Blank (P0I2412-BLK1)				Prepared: (	)9/24/20 A	nalyzed: 09	)/29/20			
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.110		"	0.120		91.4	75-125			
Surrogate: 4-Bromofluorobenzene	0.160		"	0.120		134	75-125			S-GC
LCS (P0I2412-BS1)				Prepared: (	09/24/20 A	nalyzed: 09	0/29/20			
Benzene	0.0934	0.00100	mg/kg wet	0.100		93.4	70-130			
Toluene	0.0925	0.00100	"	0.100		92.5	70-130			
Ethylbenzene	0.0938	0.00100	"	0.100		93.8	70-130			
Xylene (p/m)	0.202	0.00200	"	0.200		101	70-130			
Xylene (o)	0.118	0.00100	"	0.100		118	70-130			
Surrogate: 4-Bromofluorobenzene	0.151		"	0.120		126	75-125			S-GC
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.4	75-125			
LCS Dup (P0I2412-BSD1)				Prepared: (	)9/24/20 A:	nalyzed: 09	0/29/20			
Benzene	0.0944	0.00100	mg/kg wet	0.100		94.4	70-130	1.05	20	
Toluene	0.0940	0.00100	"	0.100		94.0	70-130	1.61	20	
Ethylbenzene	0.0974	0.00100	"	0.100		97.4	70-130	3.85	20	
Xylene (p/m)	0.207	0.00200	"	0.200		104	70-130	2.50	20	
Xylene (o)	0.119	0.00100	"	0.100		119	70-130	0.929	20	
Surrogate: 4-Bromofluorobenzene	0.156		"	0.120		130	75-125			S-GC
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.7	75-125			
Calibration Check (P0I2412-CCV1)				Prepared: (	09/24/20 A:	nalyzed: 09	0/29/20			

0.100

0.100

0.100

0.200

0.100

0.120

0.120

Permian Basin Environmental Lab, L.P.

Benzene

Toluene

Ethylbenzene

Xylene (p/m)

Surrogate: 1,4-Difluorobenzene Surrogate: 4-Bromofluorobenzene

Xylene (o)

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90.3

90.3

104

96.2

113

99.5

125

80-120

80-120

80-120

80-120

80-120

75-125

75-125

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

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

	D. I.	Reporting	TT :	Spike	Source	0/DEC	%REC	DDD	RPD	NI 4
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I2412 - General Preparation (GC)										
Calibration Check (P0I2412-CCV2)				Prepared:	09/24/20 Ar	nalyzed: 09	/29/20			
Benzene	0.0917	0.00100	mg/kg wet	0.100		91.7	80-120			
Toluene	0.0912	0.00100	"	0.100		91.2	80-120			
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120			
Xylene (p/m)	0.184	0.00200	"	0.200		92.0	80-120			
Xylene (o)	0.109	0.00100	"	0.100		109	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	75-125			
Surrogate: 4-Bromofluorobenzene	0.141		"	0.120		118	75-125			
Calibration Check (P0I2412-CCV3)				Prepared:	09/24/20 Ar	nalyzed: 09	/29/20			
Benzene	0.0899	0.00100	mg/kg wet	0.100		89.9	80-120			
Toluene	0.0900	0.00100	"	0.100		90.0	80-120			
Ethylbenzene	0.0980	0.00100	"	0.100		98.0	80-120			
Xylene (p/m)	0.178	0.00200	"	0.200		89.1	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	75-125			
Surrogate: 4-Bromofluorobenzene	0.140		"	0.120		116	75-125			
Matrix Spike (P0I2412-MS1)	Sou	ırce: 0123010-	-14	Prepared:	09/24/20 Ar	nalyzed: 09	/29/20			
Benzene	0.0793	0.00103	mg/kg dry	0.103	0.000948	76.0	80-120			QM-0
Toluene	0.0773	0.00103	"	0.103	0.00400	71.1	80-120			QM-0
Ethylbenzene	0.0890	0.00103	"	0.103	0.000670	85.7	80-120			
Xylene (p/m)	0.143	0.00206	"	0.206	0.00180	68.6	80-120			QM-0
Xylene (o)	0.0779	0.00103	"	0.103	ND	75.6	80-120			QM-0
Surrogate: 1,4-Difluorobenzene	0.125		"	0.124		101	75-125			
Surrogate: 4-Bromofluorobenzene	0.145		"	0.124		117	75-125			
Matrix Spike Dup (P0I2412-MSD1)	Sou	ırce: 0123010-	-14	Prepared:	09/24/20 Ar	nalyzed: 09	/29/20			
Benzene	0.0784	0.00103	mg/kg dry	0.103	0.000948	75.1	80-120	1.19	20	QM-0
Toluene	0.0742	0.00103	"	0.103	0.00400	68.1	80-120	4.31	20	QM-0
Ethylbenzene	0.0845	0.00103	"	0.103	0.000670	81.4	80-120	5.18	20	
Xylene (p/m)	0.138	0.00206	"	0.206	0.00180	66.0	80-120	3.80	20	QM-0
Xylene (o)	0.0737	0.00103	"	0.103	ND	71.5	80-120	5.52	20	QM-0
Surrogate: 1,4-Difluorobenzene	0.124		"	0.124		100	75-125			
Surrogate: 4-Bromofluorobenzene	0.150		"	0.124		121	75-125			

Permian Basin Environmental Lab, L.P.

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0.140

0.123

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

g East Fax:

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

Analyte	Dogult	Reporting	Lluito	Spike	Source	%REC	%REC	RPD	RPD	Notes
Analyte	Result	Limit	Units	Level	Result	%KEC	Limits	KPD	Limit	Notes
Batch P0I2414 - General Preparation (GC)										
Blank (P0I2414-BLK1)				Prepared: (	)9/24/20 At	nalyzed: 09	/30/20			
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		94.9	75-125			
Surrogate: 4-Bromofluorobenzene	0.156		"	0.120		130	75-125			S-GC
LCS (P0I2414-BS1)				Prepared: (	09/24/20 At	nalyzed: 09	/29/20			
Benzene	0.0896	0.00100	mg/kg wet	0.100		89.6	70-130			
Toluene	0.0883	0.00100	"	0.100		88.3	70-130			
Ethylbenzene	0.0883	0.00100	"	0.100		88.3	70-130			
Xylene (p/m)	0.182	0.00200	"	0.200		91.2	70-130			
Xylene (o)	0.106	0.00100	"	0.100		106	70-130			
Surrogate: 4-Bromofluorobenzene	0.145		"	0.120		121	75-125			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	75-125			
LCS Dup (P0I2414-BSD1)				Prepared: (	)9/24/20 At	nalyzed: 09	/29/20			
Benzene	0.0834	0.00100	mg/kg wet	0.100		83.4	70-130	7.25	20	
Toluene	0.0811	0.00100	"	0.100		81.1	70-130	8.50	20	
Ethylbenzene	0.0877	0.00100	"	0.100		87.7	70-130	0.693	20	
Xylene (p/m)	0.170	0.00200	"	0.200		85.1	70-130	6.93	20	
Xylene (o)	0.0982	0.00100	"	0.100		98.2	70-130	8.02	20	
Surrogate: 4-Bromofluorobenzene	0.148		"	0.120		123	75-125			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	75-125			
Calibration Check (P0I2414-CCV1)				Prepared: (	)9/24/20 Aı	nalyzed: 09	/29/20			
Benzene	0.0899	0.00100	mg/kg wet	0.100		89.9	80-120			
Toluene	0.0900	0.00100	"	0.100		90.0	80-120			
Ethylbenzene	0.0980	0.00100	"	0.100		98.0	80-120			
Xylene (p/m)	0.178	0.00200	"	0.200		89.1	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			

Permian Basin Environmental Lab, L.P.

 ${\it Surrogate: 4-Bromofluor obenzene}$ 

Surrogate: 1,4-Difluorobenzene

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75-125

75-125

116

103

0.120

0.120

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I2414 - General Preparation (GC)										
Calibration Check (P0I2414-CCV2)				Prepared: (	09/24/20 Ar	nalyzed: 09	/30/20			
Benzene	0.0927	0.00100	mg/kg wet	0.100		92.7	80-120			
Toluene	0.0867	0.00100	"	0.100		86.7	80-120			
Ethylbenzene	0.0970	0.00100	"	0.100		97.0	80-120			
Xylene (p/m)	0.183	0.00200	"	0.200		91.6	80-120			
Xylene (o)	0.110	0.00100	"	0.100		110	80-120			
Surrogate: 4-Bromofluorobenzene	0.153		"	0.120		127	75-125			S-GC
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.2	75-125			
Calibration Check (P0I2414-CCV3)				Prepared: (	09/24/20 Ar	nalyzed: 09	/30/20			
Benzene	0.0900	0.00100	mg/kg wet	0.100		90.0	80-120			
Toluene	0.0868	0.00100	"	0.100		86.8	80-120			
Ethylbenzene	0.0957	0.00100	"	0.100		95.7	80-120			
Xylene (p/m)	0.178	0.00200	"	0.200		88.8	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 4-Bromofluorobenzene	0.148		"	0.120		124	75-125			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		98.8	75-125			
Matrix Spike (P0I2414-MS1)	Sou	ırce: 0123010-	-34	Prepared: (	09/24/20 Ar	nalyzed: 09	/30/20			
Benzene	0.0714	0.00104	mg/kg dry	0.104	0.00526	63.5	80-120			QM-07
Toluene	0.0575	0.00104	"	0.104	0.00545	50.0	80-120			QM-07
Ethylbenzene	0.0559	0.00104	"	0.104	0.000583	53.1	80-120			QM-07
Xylene (p/m)	0.0931	0.00208	"	0.208	0.00130	44.0	80-120			QM-07
Xylene (o)	0.0454	0.00104	"	0.104	ND	43.6	80-120			QM-07
Surrogate: 1,4-Difluorobenzene	0.125		"	0.125		99.8	75-125			
Surrogate: 4-Bromofluorobenzene	0.152		"	0.125		122	75-125			
Matrix Spike Dup (P0I2414-MSD1)	Sou	ırce: 0123010-	-34	Prepared: (	09/24/20 Ar	nalyzed: 09	/30/20			
Benzene	0.0704	0.00104	mg/kg dry	0.104	0.00526	62.5	80-120	1.57	20	QM-07
Toluene	0.0523	0.00104	"	0.104	0.00545	45.0	80-120	10.5	20	QM-07
Ethylbenzene	0.0472	0.00104	"	0.104	0.000583	44.7	80-120	17.2	20	QM-07
Xylene (p/m)	0.0789	0.00208	"	0.208	0.00130	37.3	80-120	16.7	20	QM-07
Xylene (o)	0.0371	0.00104	"	0.104	ND	35.6	80-120	20.2	20	QM-07
Surrogate: 4-Bromofluorobenzene	0.152		"	0.125		122	75-125			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.125		96.8	75-125			

Permian Basin Environmental Lab, L.P.

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0.117

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

## 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 P0I3003 - General Preparation (C	GC)									
Blank (P0I3003-BLK1)				Prepared &	k Analyzed:	09/30/20				
Benzene	ND	0.00100	mg/kg wet							
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	75-125			
Surrogate: 4-Bromofluorobenzene	0.153		"	0.120		128	75-125			S-GO
LCS (P0I3003-BS1)				Prepared &	ե Analyzed:	09/30/20				
Benzene	0.0908	0.00100	mg/kg wet	0.100		90.8	70-130			
Toluene	0.0885	0.00100	"	0.100		88.5	70-130			
Ethylbenzene	0.0932	0.00100	"	0.100		93.2	70-130			
Xylene (p/m)	0.194	0.00200	"	0.200		97.0	70-130			
Xylene (o)	0.112	0.00100	"	0.100		112	70-130			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		97.1	75-125			
Surrogate: 4-Bromofluorobenzene	0.155		"	0.120		129	75-125			S-GO
LCS Dup (P0I3003-BSD1)				Prepared &	k Analyzed:	09/30/20				
Benzene	0.0812	0.00100	mg/kg wet	0.100		81.2	70-130	11.2	20	
Toluene	0.0814	0.00100	"	0.100		81.4	70-130	8.45	20	
Ethylbenzene	0.0907	0.00100	"	0.100		90.7	70-130	2.75	20	
Xylene (p/m)	0.173	0.00200	"	0.200		86.6	70-130	11.4	20	
Xylene (o)	0.0982	0.00100	"	0.100		98.2	70-130	13.0	20	
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.3	75-125			
Surrogate: 4-Bromofluorobenzene	0.148		"	0.120		123	75-125			
Calibration Check (P0I3003-CCV1)				Prepared &	ն Analyzed:	09/30/20				
Benzene	0.0838	0.00100	mg/kg wet	0.100		83.8	80-120			
Toluene	0.0816	0.00100	"	0.100		81.6	80-120			
Ethylbenzene	0.0909	0.00100	"	0.100		90.9	80-120			
Xylene (p/m)	0.172	0.00200	"	0.200		86.2	80-120			
Xylene (o)	0.100	0.00100	"	0.100		100	80-120			
Surrogate: 4-Bromofluorobenzene	0.149		"	0.120		124	75-125			

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Surrogate: 1,4-Difluorobenzene

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97.2

75-125

0.120

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

s Artesia Gathering East Fax:

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I3003 - General Preparation (GC)										
Calibration Check (P0I3003-CCV2)				Prepared &	Analyzed:	09/30/20				
Benzene	0.0882	0.00100	mg/kg wet	0.100		88.2	80-120			
Toluene	0.0826	0.00100	"	0.100		82.6	80-120			
Ethylbenzene	0.0947	0.00100	"	0.100		94.7	80-120			
Xylene (p/m)	0.180	0.00200	"	0.200		89.8	80-120			
Xylene (o)	0.110	0.00100	"	0.100		110	80-120			
Surrogate: 4-Bromofluorobenzene	0.154		"	0.120		128	75-125			S-GC
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.4	75-125			
Calibration Check (P0I3003-CCV3)				Prepared: (	09/30/20 Aı	nalyzed: 10	/01/20			
Benzene	0.0900	0.00100	mg/kg wet	0.100		90.0	80-120			
Toluene	0.0883	0.00100	"	0.100		88.3	80-120			
Ethylbenzene	0.0994	0.00100	"	0.100		99.4	80-120			
Xylene (p/m)	0.175	0.00200	"	0.200		87.3	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.7	75-125			
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.7	75-125			
Matrix Spike (P0I3003-MS1)	Sou	ırce: 0130006-	-01	Prepared: (	09/30/20 Aı	nalyzed: 10	/01/20			
Benzene	0.257	0.00149	mg/kg dry	0.149	0.385	NR	80-120			QM-07
Toluene	0.353	0.00149	"	0.149	2.86	NR	80-120			QM-07
Ethylbenzene	0.536	0.00149	"	0.149	7.49	NR	80-120			QM-07
Xylene (p/m)	1.15	0.00299	"	0.299	13.5	NR	80-120			QM-07
Xylene (o)	0.420	0.00149	"	0.149	8.47	NR	80-120			QM-07
Surrogate: 4-Bromofluorobenzene	0.0885		"	0.179		49.4	75-125			S-GC
Surrogate: 1,4-Difluorobenzene	0.171		"	0.179		95.6	75-125			
Matrix Spike Dup (P0I3003-MSD1)	Sou	ırce: 0130006-	-01	Prepared: (	09/30/20 Aı	nalyzed: 10	/01/20			
Benzene	0.251	0.00149	mg/kg dry	0.149	0.385	NR	80-120	NR	20	QM-07
Toluene	0.360	0.00149	"	0.149	2.86	NR	80-120	NR	20	QM-07
Ethylbenzene	0.741	0.00149	"	0.149	7.49	NR	80-120	NR	20	QM-07
Xylene (p/m)	1.15	0.00299	"	0.299	13.5	NR	80-120	NR	20	QM-07
Xylene (o)	0.434	0.00149	"	0.149	8.47	NR	80-120	NR	20	QM-07
Surrogate: 4-Bromofluorobenzene	0.0986		"	0.179		55.1	75-125			S-GC
	0.186		,,	0.179		104	75-125			

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

0.116

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds Fax:

## 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 P0I3009 - General Preparation (G	GC)									
Blank (P0I3009-BLK1)	/			Prepared: (	09/30/20 Ar	nalyzed: 10	/01/20			
Benzene	ND	0.00100	mg/kg wet	*						
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	75-125			
Surrogate: 4-Bromofluorobenzene	0.139		"	0.120		116	75-125			
LCS (P0I3009-BS1)				Prepared: (	09/30/20 Ar	nalyzed: 10	/01/20			
Benzene	0.0912	0.00100	mg/kg wet	0.100		91.2	70-130			
Toluene	0.0886	0.00100	"	0.100		88.6	70-130			
Ethylbenzene	0.0970	0.00100	"	0.100		97.0	70-130			
Xylene (p/m)	0.193	0.00200	"	0.200		96.7	70-130			
Xylene (o)	0.111	0.00100	"	0.100		111	70-130			
Surrogate: 4-Bromofluorobenzene	0.159		"	0.120		132	75-125			S-G
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.6	75-125			
LCS Dup (P0I3009-BSD1)				Prepared: (	09/30/20 Ar	nalyzed: 10	/01/20			
Benzene	0.0828	0.00100	mg/kg wet	0.100		82.8	70-130	9.66	20	
Toluene	0.0833	0.00100	"	0.100		83.3	70-130	6.21	20	
Ethylbenzene	0.0925	0.00100	"	0.100		92.5	70-130	4.78	20	
Xylene (p/m)	0.171	0.00200	"	0.200		85.7	70-130	12.0	20	
Xylene (o)	0.100	0.00100	"	0.100		100	70-130	10.0	20	
Surrogate: 4-Bromofluorobenzene	0.145		"	0.120		121	75-125			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	75-125			
Calibration Check (P0I3009-CCV1)				Prepared: (	09/30/20 Ar	nalyzed: 10	/01/20			
Benzene	0.0900	0.00100	mg/kg wet	0.100		90.0	80-120			
Toluene	0.0883	0.00100	"	0.100		88.3	80-120			
Ethylbenzene	0.0994	0.00100	"	0.100		99.4	80-120			
Xylene (p/m)	0.175	0.00200	"	0.200		87.3	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.7	75-125			

Permian Basin Environmental Lab, L.P.

Surrogate: 4-Bromofluorobenzene

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96.7

75-125

0.120

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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

	D 1.	Reporting	TT :-	Spike	Source	0/850	%REC	DPD	RPD	NT :
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I3009 - General Preparation (GC)										
Calibration Check (P0I3009-CCV2)				Prepared: (	09/30/20 A	nalyzed: 10	/01/20			
Benzene	0.0876	0.00100	mg/kg wet	0.100		87.6	80-120			
Toluene	0.0861	0.00100	"	0.100		86.1	80-120			
Ethylbenzene	0.0966	0.00100	"	0.100		96.6	80-120			
Xylene (p/m)	0.177	0.00200	"	0.200		88.4	80-120			
Xylene (o)	0.105	0.00100	"	0.100		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		99.8	75-125			
Surrogate: 4-Bromofluorobenzene	0.146		"	0.120		121	75-125			
Calibration Check (P0I3009-CCV3)				Prepared: (	09/30/20 At	nalyzed: 10	/01/20			
Benzene	0.0852	0.00100	mg/kg wet	0.100		85.2	80-120			
Toluene	0.0873	0.00100	"	0.100		87.3	80-120			
Ethylbenzene	0.0952	0.00100	"	0.100		95.2	80-120			
Xylene (p/m)	0.171	0.00200	"	0.200		85.4	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 4-Bromofluorobenzene	0.138		"	0.120		115	75-125			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	75-125			
Matrix Spike (P0I3009-MS1)	Sou	rce: 0I23010-	-72	Prepared: (	09/30/20 At	nalyzed: 10	/01/20			
Benzene	0.0774	0.00100	mg/kg dry	0.100	ND	77.4	80-120			QM-0
Toluene	0.0763	0.00100	"	0.100	ND	76.3	80-120			QM-0
Ethylbenzene	0.0832	0.00100	"	0.100	ND	83.2	80-120			
Xylene (p/m)	0.132	0.00200	"	0.200	ND	66.2	80-120			QM-0
Xylene (o)	0.0729	0.00100	"	0.100	ND	72.9	80-120			QM-0
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		105	75-125			
Surrogate: 4-Bromofluorobenzene	0.146		"	0.120		122	75-125			
Matrix Spike Dup (P0I3009-MSD1)	Sou	rce: 0I23010-	-72	Prepared: (	09/30/20 Aı	nalyzed: 10	/01/20			
Benzene	0.0715	0.00100	mg/kg dry	0.100	ND	71.5	80-120	7.94	20	QM-0
Toluene	0.0726	0.00100	"	0.100	ND	72.6	80-120	5.00	20	QM-0
Ethylbenzene	0.0781	0.00100	"	0.100	ND	78.1	80-120	6.30	20	QM-0
Xylene (p/m)	0.125	0.00200	"	0.200	ND	62.3	80-120	6.18	20	QM-0
Xylene (o)	0.0687	0.00100	"	0.100	ND	68.7	80-120	5.96	20	QM-0
Surrogate: 4-Bromofluorobenzene	0.137		"	0.120		115	75-125			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		99.6	75-125			

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12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

Fax:

Applieto	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	KPD	Limit	Notes
Batch P0I2402 - *** DEFAULT PREP ***										
Blank (P0I2402-BLK1)				Prepared &	Analyzed:	09/24/20				
% Moisture	ND	0.1	%							
Blank (P0I2402-BLK2)				Prepared &	Analyzed:	09/24/20				
% Moisture	ND	0.1	%							
Blank (P0I2402-BLK3)				Prepared &	Analyzed:	09/24/20				
% Moisture	ND	0.1	%							
Blank (P0I2402-BLK4)				Prepared &	Analyzed:	09/24/20				
% Moisture	ND	0.1	%							
Duplicate (P0I2402-DUP1)	Sour	ce: 0123010-1	0	Prepared &	Analyzed:	09/24/20				
% Moisture	5.0	0.1	%		5.0			0.00	20	
Duplicate (P0I2402-DUP2)	Sour	ce: 0I23010-2	0	Prepared &	Analyzed:	09/24/20				
% Moisture	4.0	0.1	%		4.0			0.00	20	
Duplicate (P0I2402-DUP3)	Sour	ce: 0I23010-3	5	Prepared &	Analyzed:	09/24/20				
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P0I2402-DUP4)	Sour	ce: 0123010-4	5	Prepared &	Analyzed:	09/24/20				
% Moisture	1.0	0.1	%		ND			200	20	
Duplicate (P0I2402-DUP5)	Sour	ce: 0123010-6	0	Prepared &	Analyzed:	09/24/20				
% Moisture	ND	0.1	%	•	1.0			200	20	
Duplicate (P0I2402-DUP6)	Soui	ce: 0I23010-7	0	Prepared &	Analyzed:	09/24/20				
% Moisture	ND	0.1	%		ND				20	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

Aughto	Dagult	Reporting	I Imita	Spike	Source	0/DEC	%REC	DDD	RPD	Notes
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I2805 - *** DEFAULT PREP ***										
Blank (P0I2805-BLK1)				Prepared &	Analyzed:	09/28/20				
Chloride	ND	1.00	mg/kg wet							
LCS (P0I2805-BS1)				Prepared &	Analyzed:	09/28/20				
Chloride	398	1.00	mg/kg wet	400		99.6	80-120			
LCS Dup (P0I2805-BSD1)				Prepared &	Analyzed:	09/28/20				
Chloride	397	1.00	mg/kg wet	400		99.4	80-120	0.201	20	
Calibration Blank (P0I2805-CCB2)				Prepared &	Analyzed:	09/28/20				
Chloride	0.00		mg/kg wet							
Calibration Check (P0I2805-CCV1)				Prepared &	Analyzed:	09/28/20				
Chloride	19.8		mg/kg	20.0		98.9	0-200			
Calibration Check (P0I2805-CCV2)				Prepared &	Analyzed:	09/28/20				
Chloride	19.9		mg/kg	20.0	-	99.7	0-200			
Calibration Check (P0I2805-CCV3)				Prepared &	Analyzed:	09/28/20				
Chloride	19.9		mg/kg	20.0	•	99.7	0-200			
Matrix Spike (P0I2805-MS1)	Sou	rce: 0I23008-	-19	Prepared &	Analyzed:	09/28/20				
Chloride	910	5.75	mg/kg dry	575	286	109	80-120			
Matrix Spike (P0I2805-MS2)	Sou	rce: 0I23010-	-02	Prepared &	Analyzed:	09/28/20				
Chloride	527	1.05	mg/kg dry	526	9.18	98.3	80-120			
Matrix Spike Dup (P0I2805-MSD1)	Sou	rce: 0123008-	-19	Prepared &	Analyzed:	09/28/20				
Chloride	881		mg/kg dry	575	286	104	80-120	3.18	20	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I2805 - *** DEFAULT PREP ***										
Matrix Spike Dup (P0I2805-MSD2)	Sou	rce: 0I23010-	02	Prepared &	Analyzed:	: 09/28/20				
Chloride	516	1.05	mg/kg dry	526	9.18	96.3	80-120	2.07	20	
Batch P0I2903 - *** DEFAULT PREP ***										
Blank (P0I2903-BLK1)				Prepared: (	09/29/20 A	nalyzed: 10	0/01/20			
Chloride	ND	1.00	mg/kg wet							
LCS (P0I2903-BS1)				Prepared: (	09/29/20 A	nalyzed: 09	0/30/20			
Chloride	394	1.00	mg/kg wet	400		98.6	80-120			
LCS Dup (P0I2903-BSD1)				Prepared: (	09/29/20 A	nalyzed: 09	0/30/20			
Chloride	396	1.00	mg/kg wet	400		99.1	80-120	0.486	20	
Calibration Check (P0I2903-CCV1)				Prepared: (	09/29/20 A	nalyzed: 09	0/30/20			
Chloride	20.1		mg/kg	20.0		101	0-200			
Calibration Check (P0I2903-CCV2)				Prepared: (	)9/29/20 A	nalyzed: 09	0/30/20			
Chloride	22.0		mg/kg	20.0		110	0-200			
Matrix Spike (P0I2903-MS1)	Sou	rce: 0I23010-	12	Prepared: (	)9/29/20 A	nalyzed: 09	0/30/20			
Chloride	504	1.02	mg/kg dry	510	2.87	98.3	80-120			
Matrix Spike (P0I2903-MS2)	Sou	rce: 0I23010-	-22	Prepared: (	)9/29/20 A	nalyzed: 09	0/30/20			
Chloride	58.4	1.02	mg/kg dry	51.0	7.51	99.8	80-120			
Matrix Spike Dup (P0I2903-MSD1)	Sou	rce: 0I23010-	12	Prepared: (	)9/29/20 A	nalyzed: 09	0/30/20			
Chloride	491	1.02	mg/kg dry	510	2.87	95.7	80-120	2.63	20	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

ect: Plains Artesia Gathering East Fax:

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P012903 - *** DEFAULT PREP ***										
Matrix Spike Dup (P0I2903-MSD2)	Sou	rce: 0I23010-	-22	Prepared: (	09/29/20 A	nalyzed: 09	0/30/20			
Chloride	55.9	1.02	mg/kg dry	51.0	7.51	94.8	80-120	4.50	20	
Batch P0I2904 - *** DEFAULT PREP ***										
Blank (P0I2904-BLK1)				Prepared: (	09/29/20 A	nalyzed: 09	0/30/20			
Chloride	ND	1.00	mg/kg wet				<u> </u>			
LCS (P0I2904-BS1)				Prepared: (	09/29/20 A	nalyzed: 09	0/30/20			
Chloride	455	1.00	mg/kg wet	420		108	80-120			
LCS Dup (P0I2904-BSD1)				Prepared: (	09/29/20 A	nalyzed: 09	0/30/20			
Chloride	484	1.00	mg/kg wet	420		115	80-120	6.37	20	
Calibration Check (P0I2904-CCV1)				Prepared: (	09/29/20 A	nalyzed: 09	0/30/20			
Chloride	20.6		mg/kg	20.0		103	0-200			
Calibration Check (P0I2904-CCV2)				Prepared: (	09/29/20 A	nalyzed: 10	0/01/20			
Chloride	20.4		mg/kg	20.0		102	0-200			
Calibration Check (P0I2904-CCV3)				Prepared: (	09/29/20 A	nalyzed: 10	0/01/20			
Chloride	21.1		mg/kg	20.0		106	0-200			
Matrix Spike (P0I2904-MS1)	Sou	rce: 0I23010-	32	Prepared: (	09/29/20 A	nalyzed: 09	0/30/20			
Chloride	52.6	1.04	mg/kg dry	52.1	3.66	93.9	80-120			
Matrix Spike (P0I2904-MS2)	Sou	rce: 0I23010-	42	Prepared: (	09/29/20 A	nalyzed: 10	0/01/20			
Chloride	52.3	1.00	mg/kg dry	50.0	3.66	97.3	80-120			

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

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	D. Iv	Reporting	TT '	Spike	Source	0/DEC	%REC	DDD	RPD	NI 4
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I2904 - *** DEFAULT PREP ***										
Matrix Spike Dup (P0I2904-MSD1)	Source: 0123010-32			Prepared: 09/29/20 Analyzed: 10			/01/20			
Chloride	86.1	1.04	mg/kg dry	52.1	3.66	158	80-120	48.4	20	QM-05
Matrix Spike Dup (P0I2904-MSD2)	Source: 0123010-42			Prepared: 09/29/20 Analyzed: 10/01/20						
Chloride	58.3	1.00	mg/kg dry	50.0	3.66	109	80-120	10.9	20	
Batch P0I2906 - *** DEFAULT PREP ***										
Blank (P0I2906-BLK1)				Prepared &	Analyzed:	09/29/20				
Chloride	ND	1.00	mg/kg wet							
LCS (P0I2906-BS1)				Prepared & Analyzed: 09/29/20						
Chloride	403	1.00	mg/kg wet	400		101	80-120			
Calibration Check (P0I2906-CCV1)				Prepared & Analyzed: 09/29/20						
Chloride	20.0		mg/kg	20.0		100	0-200			
Calibration Check (P0I2906-CCV2)				Prepared & Analyzed: 09/29/20						
Chloride	20.2		mg/kg	20.0		101	0-200			
Matrix Spike (P0I2906-MS1)	Source: 0123010-52			Prepared & Analyzed: 09/29/20						
Chloride	50.7	1.00	mg/kg dry	50.0	4.61	92.1	80-120			
Matrix Spike (P0I2906-MS2)	Source: 0123010-62		Prepared & Analyzed: 09/29/20							
Chloride	54.4	1.00	mg/kg dry	50.0	7.96	92.9	80-120			
Matrix Spike Dup (P0I2906-MSD1)	Source: 0123010-52			Prepared & Analyzed: 09/29/20						
Chloride	49.6	1.00	mg/kg dry	50.0	4.61	90.1	80-120	2.07	20	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I2906 - *** DEFAULT PREP ***										
Matrix Spike Dup (P0I2906-MSD2)	Sou	rce: 0I23010-	-62	Prepared &	: Analyzed:	09/29/20				
Chloride	51.5	1.00	mg/kg dry	50.0	7.96	87.1	80-120	5.51	20	
Batch P0J0105 - *** DEFAULT PREP ***										
Blank (P0J0105-BLK1)				Prepared &	: Analyzed:	10/01/20				
Chloride	ND	1.00	mg/kg wet							
LCS (P0J0105-BS1)				Prepared &	: Analyzed:	10/01/20				
Chloride	389	1.00	mg/kg wet	400		97.3	80-120			
LCS Dup (P0J0105-BSD1)				Prepared &	: Analyzed:	10/01/20				
Chloride	385	1.00	mg/kg wet	400		96.4	80-120	1.01	20	
Calibration Blank (P0J0105-CCB1)				Prepared &	: Analyzed:	10/01/20				
Chloride	0.00		mg/kg wet							
Calibration Check (P0J0105-CCV1)				Prepared &	: Analyzed:	10/01/20				
Chloride	20.1		mg/kg	20.0		100	0-200			
Calibration Check (P0J0105-CCV2)				Prepared &	: Analyzed:	10/01/20				
Chloride	19.4		mg/kg	20.0		96.9	0-200			
Calibration Check (P0J0105-CCV3)				Prepared &	: Analyzed:	10/01/20				
Chloride	20.2		mg/kg	20.0		101	0-200			
Matrix Spike (P0J0105-MS1)	Sou	rce: 0123010-	-72	Prepared: 1	0/01/20 A	nalyzed: 10	/02/20			
Chloride	497	1.00	mg/kg dry	500	11.6	97.1	80-120			

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Sylwia Reynolds

Fax:

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

		Reporting	Spike	Source	0/770	%REC		RPD	
Analyte	Result	Limit Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0J0105 - *** DEFAULT PREP ***									
Matrix Spike (P0J0105-MS2)	Sour	ce: 0125009-03	Prepared &	& Analyzed:	10/01/20				
Chloride	7950	25.3 mg/kg dry	2530	5320	104	80-120			
Matrix Spike Dup (P0J0105-MSD1)	Sour	ce: 0I23010-72	Prepared:	10/01/20 A	nalyzed: 10	0/02/20			
Chloride	490	1.00 mg/kg dry	500	11.6	95.8	80-120	1.34	20	
Matrix Spike Dup (P0J0105-MSD2)	Sour	ce: 0125009-03	Prepared &	& Analyzed:	10/01/20				
Chloride	8030	25.3 mg/kg dry	2530	5320	107	80-120	0.996	20	

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I2311 - TX 1005										
Blank (P0I2311-BLK1)				Prepared: (	09/23/20 At	nalyzed: 09	/24/20			
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	80.3		"	100		80.3	70-130			
Surrogate: o-Terphenyl	46.0		"	50.0		92.0	70-130			
LCS (P0I2311-BS1)				Prepared: (	09/23/20 At	nalyzed: 09	/24/20			
C6-C12	797	25.0	mg/kg wet	1000		79.7	75-125			
>C12-C28	932	25.0	"	1000		93.2	75-125			
Surrogate: 1-Chlorooctane	98.8		"	100		98.8	70-130			
Surrogate: o-Terphenyl	47.4		"	50.0		94.8	70-130			
LCS Dup (P0I2311-BSD1)				Prepared: (	09/23/20 At	nalyzed: 09	/24/20			
C6-C12	789	25.0	mg/kg wet	1000		78.9	75-125	0.966	20	
>C12-C28	986	25.0	"	1000		98.6	75-125	5.67	20	
Surrogate: 1-Chlorooctane	107		"	100		107	70-130			
Surrogate: o-Terphenyl	51.3		"	50.0		103	70-130			
Calibration Check (P0I2311-CCV1)				Prepared: (	09/23/20 At	nalyzed: 09	/24/20			
C6-C12	437	25.0	mg/kg wet	500		87.5	85-115			
>C12-C28	436	25.0	"	500		87.2	85-115			
Surrogate: 1-Chlorooctane	78.4		"	100		78.4	70-130			
Surrogate: o-Terphenyl	39.6		"	50.0		79.1	70-130			
Calibration Check (P0I2311-CCV2)				Prepared: (	09/23/20 At	nalyzed: 09	/24/20			
C6-C12	433	25.0	mg/kg wet	500		86.7	85-115			
>C12-C28	488	25.0	"	500		97.6	85-115			
Surrogate: 1-Chlorooctane	89.9		"	100		89.9	70-130			
Surrogate: o-Terphenyl	44.4		"	50.0		88.9	70-130			

Permian Basin Environmental Lab, L.P.

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I2311 - TX 1005										
Calibration Check (P0I2311-CCV3)				Prepared: (	09/23/20 A	nalyzed: 09	/24/20			
C6-C12	453	25.0	mg/kg wet	500		90.7	85-115			
>C12-C28	525	25.0	"	500		105	85-115			
Surrogate: 1-Chlorooctane	93.9		"	100		93.9	70-130			
Surrogate: o-Terphenyl	46.7		"	50.0		93.3	70-130			
Matrix Spike (P0I2311-MS1)	Sou	rce: 0123010	-13	Prepared: (	09/23/20 A	nalyzed: 09	/24/20			
C6-C12	917	25.8	mg/kg dry	1030	15.8	87.4	75-125			
>C12-C28	1170	25.8	"	1030	ND	114	75-125			
Surrogate: 1-Chlorooctane	109		"	103		105	70-130			
Surrogate: o-Terphenyl	46.2		"	51.5		89.6	70-130			
Matrix Spike Dup (P0I2311-MSD1)	Sou	rce: 0123010	-13	Prepared: (	09/23/20 A	nalyzed: 09	/24/20			
C6-C12	906	25.8	mg/kg dry	1030	15.8	86.3	75-125	1.26	20	
>C12-C28	1140	25.8	"	1030	ND	111	75-125	2.87	20	
Surrogate: 1-Chlorooctane	107		"	103		104	70-130			
Surrogate: o-Terphenyl	45.4		"	51.5		88.1	70-130			
Batch P0I2405 - TX 1005										
Blank (P0I2405-BLK1)				Prepared &	& Analyzed:	09/24/20				
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	71.5		"	100		71.5	70-130			
Surrogate: o-Terphenyl	39.4		"	50.0		78.9	70-130			
LCS (P0I2405-BS1)				Prepared &	k Analyzed:	09/24/20				
C6-C12	759	25.0	mg/kg wet	1000		75.9	75-125	·		
>C12-C28	940	25.0	"	1000		94.0	75-125			
Surrogate: 1-Chlorooctane	90.8		"	100		90.8	70-130			
Surrogate: o-Terphenyl	39.2		"	50.0		78.3	70-130			

Permian Basin Environmental Lab, L.P.

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Sylwia Reynolds

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I2405 - TX 1005										
LCS Dup (P0I2405-BSD1)				Prepared &	z Analyzed:	09/24/20				
C6-C12	785	25.0	mg/kg wet	1000		78.5	75-125	3.37	20	
>C12-C28	952	25.0	"	1000		95.2	75-125	1.31	20	
Surrogate: 1-Chlorooctane	92.9		"	100		92.9	70-130			
Surrogate: o-Terphenyl	40.0		"	50.0		80.0	70-130			
Calibration Check (P0I2405-CCV1)				Prepared &	z Analyzed:	09/24/20				
C6-C12	426	25.0	mg/kg wet	500		85.1	85-115	·		
>C12-C28	505	25.0	"	500		101	85-115			
Surrogate: 1-Chlorooctane	85.9		"	100		85.9	70-130			
Surrogate: o-Terphenyl	40.7		"	50.0		81.5	70-130			
Calibration Check (P0I2405-CCV2)				Prepared &	z Analyzed:	09/24/20				
C6-C12	438	25.0	mg/kg wet	500		87.5	85-115			
>C12-C28	499	25.0	"	500		99.7	85-115			
Surrogate: 1-Chlorooctane	87.5		"	100		87.5	70-130			
Surrogate: o-Terphenyl	41.7		"	50.0		83.4	70-130			
Matrix Spike (P0I2405-MS1)	Sour	ce: 0I23010	-20	Prepared: (	09/24/20 At	nalyzed: 09	9/25/20			
C6-C12	856	26.0	mg/kg dry	1040	12.6	81.0	75-125			
>C12-C28	1000	26.0	"	1040	25.4	93.8	75-125			
Surrogate: 1-Chlorooctane	102		"	104		97.6	70-130			
Surrogate: o-Terphenyl	47.0		"	52.1		90.3	70-130			
Matrix Spike Dup (P0I2405-MSD1)	Sour	ce: 0123010	-20	Prepared: (	09/24/20 At	nalyzed: 09	9/25/20			
C6-C12	906	26.0	mg/kg dry	1040	12.6	85.7	75-125	5.67	20	
>C12-C28	1090	26.0	"	1040	25.4	103	75-125	8.99	20	
Surrogate: 1-Chlorooctane	106		"	104		102	70-130			
Surrogate: o-Terphenyl	46.1		"	52.1		88.4	70-130			

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

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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 P0I2406 - TX 1005										
Blank (P012406-BLK1)				Prepared &	Analyzed:	09/24/20				
C6-C12	ND	25.0	mg/kg wet	1 Teparea e	o i mary zea.	03/21/20				
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	82.6		"	100		82.6	70-130			
Surrogate: o-Terphenyl	41.6		"	50.0		83.2	70-130			
LCS (P0I2406-BS1)				Prepared &	Analyzed:	09/24/20				
C6-C12	828	25.0	mg/kg wet	1000	•	82.8	75-125			
>C12-C28	920	25.0	"	1000		92.0	75-125			
Surrogate: 1-Chlorooctane	103		"	100		103	70-130			
Surrogate: o-Terphenyl	41.9		"	50.0		83.7	70-130			
LCS Dup (P0I2406-BSD1)				Prepared &	Analyzed:	09/24/20				
C6-C12	856	25.0	mg/kg wet	1000		85.6	75-125	3.29	20	
>C12-C28	938	25.0	"	1000		93.8	75-125	1.87	20	
Surrogate: 1-Chlorooctane	92.2		"	100		92.2	70-130			
Surrogate: o-Terphenyl	43.0		"	50.0		86.0	70-130			
Calibration Check (P0I2406-CCV1)				Prepared &	Analyzed:	09/24/20				
C6-C12	440	25.0	mg/kg wet	500	•	87.9	85-115			
>C12-C28	474	25.0	"	500		94.9	85-115			
Surrogate: 1-Chlorooctane	87.3		"	100		87.3	70-130			
Surrogate: o-Terphenyl	40.5		"	50.0		81.1	70-130			
Calibration Check (P0I2406-CCV2)				Prepared &	Analyzed:	09/24/20				
C6-C12	487	25.0	mg/kg wet	500		97.4	85-115			
>C12-C28	495	25.0	"	500		99.0	85-115			
Surrogate: 1-Chlorooctane	92.9		"	100		92.9	70-130			
Surrogate: o-Terphenyl	44.5		"	50.0		89.0	70-130			

Permian Basin Environmental Lab, L.P.

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I2406 - TX 1005										
Matrix Spike (P0I2406-MS1)	Sou	rce: 0I23010-	-53	Prepared: (	09/24/20 A	nalyzed: 09	0/25/20			
C6-C12	799	25.0	mg/kg dry	1000	20.1	77.9	75-125			
>C12-C28	880	25.0	"	1000	127	75.3	75-125			
Surrogate: 1-Chlorooctane	85.9		"	100		85.9	70-130			
Surrogate: o-Terphenyl	37.7		"	50.0		75.4	70-130			
Matrix Spike Dup (P0I2406-MSD1)	Sou	rce: 0I23010-	-53	Prepared: (	09/24/20 A	nalyzed: 09	0/25/20			
C6-C12	764	25.0	mg/kg dry	1000	20.1	74.4	75-125	4.54	20	QM-07
>C12-C28	841	25.0	"	1000	127	71.4	75-125	5.29	20	QM-07
Surrogate: 1-Chlorooctane	81.7		"	100		81.7	70-130			
Surrogate: o-Terphenyl	37.2		"	50.0		74.4	70-130			
Batch P0I2407 - TX 1005										
Blank (P0I2407-BLK1)				Prepared: (	09/24/20 A	nalyzed: 09	0/25/20			
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	80.0		"	100		80.0	70-130			
Surrogate: o-Terphenyl	40.7		"	50.0		81.4	70-130			
LCS (P0I2407-BS1)				Prepared: (	09/24/20 A	nalyzed: 09	0/25/20			
C6-C12	811	25.0	mg/kg wet	1000		81.1	75-125			
>C12-C28	892	25.0	"	1000		89.2	75-125			
Surrogate: 1-Chlorooctane	87.6		"	100		87.6	70-130			
Surrogate: o-Terphenyl	39.8		"	50.0		79.5	70-130			
LCS Dup (P0I2407-BSD1)				Prepared: (	09/24/20 A	nalyzed: 09	0/25/20			
C6-C12	811	25.0	mg/kg wet	1000		81.1	75-125	0.0197	20	<u> </u>
>C12-C28	901	25.0	"	1000		90.1	75-125	0.976	20	
Surrogate: 1-Chlorooctane	87.7		"	100		87.7	70-130			
Surrogate: o-Terphenyl	40.0		"	50.0		80.0	70-130			

Permian Basin Environmental Lab, L.P.

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Sylwia Reynolds

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I2407 - TX 1005										
Calibration Check (P0I2407-CCV1)				Prepared: (	09/24/20 At	nalyzed: 09	/25/20			
C6-C12	467	25.0	mg/kg wet	500		93.4	85-115			
>C12-C28	493	25.0	"	500		98.5	85-115			
Surrogate: 1-Chlorooctane	88.9		"	100		88.9	70-130			
Surrogate: o-Terphenyl	42.2		"	50.0		84.4	70-130			
Calibration Check (P0I2407-CCV2)				Prepared: (	09/24/20 At	nalyzed: 09	/25/20			
C6-C12	480	25.0	mg/kg wet	500		95.9	85-115			
>C12-C28	496	25.0	"	500		99.1	85-115			
Surrogate: 1-Chlorooctane	92.6		"	100		92.6	70-130			
Surrogate: o-Terphenyl	43.4		"	50.0		86.9	70-130			
Calibration Check (P0I2407-CCV3)				Prepared: (	09/24/20 At	nalyzed: 09	/25/20			
C6-C12	449	25.0	mg/kg wet	500		89.9	85-115			
>C12-C28	486	25.0	"	500		97.3	85-115			
Surrogate: 1-Chlorooctane	88.5		"	100		88.5	70-130			
Surrogate: o-Terphenyl	41.4		"	50.0		82.8	70-130			
Matrix Spike (P0I2407-MS1)	Sour	ce: 0I23010-	-73	Prepared: (	09/24/20 At	nalyzed: 09	/25/20			
C6-C12	875	25.0	mg/kg dry	1000	12.5	86.3	75-125			
>C12-C28	973	25.0	"	1000	ND	97.3	75-125			
Surrogate: 1-Chlorooctane	93.0		"	100		93.0	70-130			
Surrogate: o-Terphenyl	43.1		"	50.0		86.1	70-130			
Matrix Spike Dup (P0I2407-MSD1)	Sour	ce: 0I23010-	-73	Prepared: (	09/24/20 A	nalyzed: 09	/25/20			
C6-C12	880	25.0	mg/kg dry	1000	12.5	86.7	75-125	0.550	20	
>C12-C28	977	25.0	"	1000	ND	97.7	75-125	0.396	20	
Surrogate: 1-Chlorooctane	95.4		"	100		95.4	70-130			
Surrogate: o-Terphenyl	43.5		"	50.0		86.9	70-130			

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

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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 P0I2505 - TX 1005										
Blank (P0I2505-BLK1)				Prepared &	Analyzed:	09/25/20				
C6-C12	ND	25.0	mg/kg wet	F						
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	81.9		"	100		81.9	70-130			
Surrogate: o-Terphenyl	41.8		"	50.0		83.5	70-130			
LCS (P0I2505-BS1)				Prepared &	Analyzed:	09/25/20				
C6-C12	840	25.0	mg/kg wet	1000		84.0	75-125			
>C12-C28	910	25.0	"	1000		91.0	75-125			
Surrogate: 1-Chlorooctane	91.0		"	100		91.0	70-130			
Surrogate: o-Terphenyl	42.6		"	50.0		85.3	70-130			
LCS Dup (P0I2505-BSD1)				Prepared &	Analyzed:	09/25/20				
C6-C12	851	25.0	mg/kg wet	1000		85.1	75-125	1.33	20	
>C12-C28	935	25.0	"	1000		93.5	75-125	2.73	20	
Surrogate: 1-Chlorooctane	92.7		"	100		92.7	70-130			
Surrogate: o-Terphenyl	43.4		"	50.0		86.8	70-130			
Calibration Check (P0I2505-CCV1)				Prepared &	Analyzed:	09/25/20				
C6-C12	440	25.0	mg/kg wet	500		87.9	85-115			
>C12-C28	463	25.0	"	500		92.7	85-115			
Surrogate: 1-Chlorooctane	88.4		"	100		88.4	70-130			
Surrogate: o-Terphenyl	41.2		"	50.0		82.3	70-130			
Calibration Check (P0I2505-CCV2)				Prepared &	Analyzed:	09/25/20				
C6-C12	487	25.0	mg/kg wet	500		97.5	85-115			
>C12-C28	500	25.0	"	500		100	85-115			
Surrogate: 1-Chlorooctane	96.2		"	100		96.2	70-130			
Surrogate: o-Terphenyl	45.2		"	50.0		90.5	70-130			

Permian Basin Environmental Lab, L.P.

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075 Midland TX, 79707 Project Manager: Sylwia Reynolds

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I2505 - TX 1005										
Calibration Check (P0I2505-CCV3)				Prepared: (	09/25/20 A	nalyzed: 09	/26/20			
C6-C12	457	25.0	mg/kg wet	500		91.4	85-115			
>C12-C28	468	25.0	"	500		93.7	85-115			
Surrogate: 1-Chlorooctane	91.5		"	100		91.5	70-130			
Surrogate: o-Terphenyl	42.9		"	50.0		85.7	70-130			
Matrix Spike (P0I2505-MS1)	Sou	rce: 0I25008-	-05	Prepared: (	09/25/20 A	nalyzed: 09	/26/20			
C6-C12	965	26.0	mg/kg dry	1040	14.2	91.3	75-125			
>C12-C28	1720	26.0	"	1040	893	79.7	75-125			
Surrogate: 1-Chlorooctane	108		"	104		104	70-130			
Surrogate: o-Terphenyl	58.0		"	52.1		111	70-130			
Matrix Spike Dup (P0I2505-MSD1)	Sou	rce: 0I25008-	-05	Prepared: (	09/25/20 A	nalyzed: 09	/26/20			
C6-C12	995	26.0	mg/kg dry	1040	14.2	94.1	75-125	3.03	20	
>C12-C28	1630	26.0	"	1040	893	70.7	75-125	12.0	20	QM-05
Surrogate: 1-Chlorooctane	108		"	104		104	70-130			
Surrogate: o-Terphenyl	56.3		"	52.1		108	70-130			

12600 W County Rd 91 Project Number: PP-2075 Midland TX, 79707 Project Manager: Sylwia Reynolds

#### **Notes and Definitions**

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

ROI

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were QM-05

within acceptance limits showing that the laboratory is in control and the data is acceptable.

BULK Samples received in Bulk soil containers

Analyte DETECTED DET

Analyte NOT DETECTED at or above the reporting limit ND

Not Reported NR

Sample results reported on a dry weight basis dry

RPD Relative Percent Difference

LCS Laboratory Control Spike Matrix Spike

Dup Duplicate

MS

	Bren	Sarron			
Report Approved By:			Date:	10/5/2020	

Brent Barron, Laboratory Director/Technical Director

Permian Basin Environmental Lab, L.P.

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Sylwia Reynolds

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

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

Permian Basin Environmental Lab, L.P.

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



# Analytical Report

### **Prepared for:**

Sylwia Reynolds
Dean
12600 W County Rd 91
Midland, TX 79707

Project: Plains Artesia Gathering East

Project Number: PP-2075 Location: Eddy County, NM

Lab Order Number: 0K09003



NELAP/TCEQ # T104704516-17-8

Report Date: 11/13/20

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-1 @ 4'	0K09003-01	Soil	11/06/20 10:25	11-09-2020 08:12
BH-3 @ 4'	0K09003-02	Soil	11/06/20 10:20	11-09-2020 08:12
BH-9 @ 4'	0K09003-03	Soil	11/06/20 10:15	11-09-2020 08:12
BH-14 @ 4'	0K09003-04	Soil	11/05/20 10:00	11-09-2020 08:12
BH-15 @ 4'	0K09003-05	Soil	11/05/20 10:05	11-09-2020 08:12
BH-17B @ 3'	0K09003-06	Soil	11/05/20 09:25	11-09-2020 08:12
BH-20 @ 4'	0K09003-07	Soil	11/05/20 10:15	11-09-2020 08:12
BH-21 @ 4'	0K09003-08	Soil	11/05/20 10:10	11-09-2020 08:12
BH-26 @ 4'	0K09003-09	Soil	11/05/20 10:20	11-09-2020 08:12
BH-27 @ 4'	0K09003-10	Soil	11/05/20 10:25	11-09-2020 08:12
BH-32 @ 4'	0K09003-11	Soil	11/05/20 10:35	11-09-2020 08:12
BH-33 @ 4'	0K09003-12	Soil	11/05/20 10:30	11-09-2020 08:12
BH-37 @ 4'	0K09003-13	Soil	11/05/20 10:40	11-09-2020 08:12
BH-38 @ 4'	0K09003-14	Soil	11/05/20 10:45	11-09-2020 08:12
BH-39 @ 4'	0K09003-15	Soil	11/05/20 10:50	11-09-2020 08:12
BH-45 @ 4'	0K09003-16	Soil	11/05/20 10:55	11-09-2020 08:12
BH-46 @ 4'	0K09003-17	Soil	11/05/20 11:10	11-09-2020 08:12
BH-47 @ 4'	0K09003-18	Soil	11/05/20 11:05	11-09-2020 08:12
BH-48 @ 4'	0K09003-19	Soil	11/05/20 11:00	11-09-2020 08:12
BH-49 @ 4'	0K09003-20	Soil	11/05/20 11:25	11-09-2020 08:12
BH-50 @ 4'	0K09003-21	Soil	11/05/20 11:30	11-09-2020 08:12
BH-51 @ 4'	0K09003-22	Soil	11/05/20 11:40	11-09-2020 08:12
BH-52 @ 4'	0K09003-23	Soil	11/05/20 11:35	11-09-2020 08:12
BH-53 @ 4'	0K09003-24	Soil	11/06/20 09:15	11-09-2020 08:12
BH-54 @ 4'	0K09003-25	Soil	11/06/20 09:20	11-09-2020 08:12
BH-55 @ 4'	0K09003-26	Soil	11/06/20 09:45	11-09-2020 08:12
BH-56 @ 4'	0K09003-27	Soil	11/06/20 09:50	11-09-2020 08:12
BH-57 @ 4'	0K09003-28	Soil	11/06/20 09:55	11-09-2020 08:12
BH-58 @ 4'	0K09003-29	Soil	11/06/20 09:40	11-09-2020 08:12
BH-59 @ 4'	0K09003-30	Soil	11/05/20 09:10	11-09-2020 08:12
BH-60 @ 4'	0K09003-31	Soil	11/05/20 11:45	11-09-2020 08:12
BH-61 @ 4'	0K09003-32	Soil	11/06/20 10:00	11-09-2020 08:12
BH-62 @ 4'	0K09003-33	Soil	11/06/20 09:35	11-09-2020 08:12
BH-63 @ 4'	0K09003-34	Soil	11/06/20 09:05	11-09-2020 08:12

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-64 @ 4'	0K09003-35	Soil	11/05/20 11:20	11-09-2020 08:1
BH-65 @ 4'	0K09003-36	Soil	11/06/20 10:05	11-09-2020 08:1
BH-66 @ 4'	0K09003-37	Soil	11/06/20 09:30	11-09-2020 08:1
BH-67 @ 4'	0K09003-38	Soil	11/06/20 09:00	11-09-2020 08:1
BH-68 @ 4'	0K09003-39	Soil	11/05/20 11:50	11-09-2020 08:1
BH-69 @ 4'	0K09003-40	Soil	11/06/20 10:10	11-09-2020 08:1
BH-70 @ 4'	0K09003-41	Soil	11/06/20 09:25	11-09-2020 08:1
BH-81 @ 4'	0K09003-42	Soil	11/06/20 11:45	11-09-2020 08:1
BH-82 @ 3'	0K09003-43	Soil	11/05/20 09:00	11-09-2020 08:1
BH-83 @ 3'	0K09003-44	Soil	11/05/20 09:05	11-09-2020 08:1
BH-84 @ 3'	0K09003-45	Soil	11/05/20 09:10	11-09-2020 08:1
BH-85 @ 3'	0K09003-46	Soil	11/05/20 09:15	11-09-2020 08:1
BH-86 @ 4'	0K09003-47	Soil	11/05/20 09:30	11-09-2020 08:1
BH-87 @ 4'	0K09003-48	Soil	11/05/20 09:35	11-09-2020 08:1
BH-88 @ 4'	0K09003-49	Soil	11/06/20 10:30	11-09-2020 08:1
BH-89 @ 4'	0K09003-50	Soil	11/06/20 10:35	11-09-2020 08:1
BH-90 @ 4'	0K09003-51	Soil	11/06/20 10:40	11-09-2020 08:1
BH-91 @ 4'	0K09003-52	Soil	11/06/20 10:45	11-09-2020 08:1
ВН-92 @ 4'	0K09003-53	Soil	11/06/20 10:50	11-09-2020 08:
BH-93 @ 4'	0K09003-54	Soil	11/06/20 11:40	11-09-2020 08:
East SW B @ 3.5'	0K09003-55	Soil	11/06/20 11:00	11-09-2020 08:1
East SW D @ 3.5'	0K09003-56	Soil	11/06/20 10:55	11-09-2020 08:1
East SW 3 @ 3.5'	0K09003-57	Soil	11/06/20 11:05	11-09-2020 08:1
North SW B1A @ 2'	0K09003-58	Soil	11/06/20 11:10	11-09-2020 08:1
North SW B2A @ 2'	0K09003-59	Soil	11/06/20 11:15	11-09-2020 08:
North SW C @ 2'	0K09003-60	Soil	11/06/20 11:50	11-09-2020 08:1
North Wall C @ 3.5'	0K09003-61	Soil	11/06/20 11:20	11-09-2020 08:
South SW B @ 3.5'	0K09003-62	Soil	11/05/20 09:45	11-09-2020 08:
South SW C @ 2'	0K09003-63	Soil	11/06/20 12:00	11-09-2020 08:
South SW C @ 3.5'	0K09003-64	Soil	11/05/20 09:50	11-09-2020 08:
South SW D @ 3.5'	0K09003-65	Soil	11/06/20 11:25	11-09-2020 08:
West SW @ 2'	0K09003-66	Soil	11/06/20 11:30	11-09-2020 08:
West SW B1A @ 1.5'	0K09003-67	Soil	11/05/20 09:20	11-09-2020 08:
West SW B2A @ 2'	0K09003-68	Soil	11/05/20 09:40	11-09-2020 08:1

Permian Basin Environmental Lab, L.P.

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

Fax:

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
West SW C @ 2'	0K09003-69	Soil	11/06/20 11:55	11-09-2020 08:12
West SW C @ 3.5'	0K09003-70	Soil	11/05/20 09:55	11-09-2020 08:12

Permian Basin Environmental Lab, L.P.

C6-C35

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

### BH-1 @ 4' 0K09003-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Permi	an Basin F	Environme	ıtal Lab,	L.P.				
<b>General Chemistry Parameters by EPA/</b>	Standard Methods								
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 b	y EPA Method 801:	5M							
C6-C12	ND	25.5	mg/kg dry	1	P0K1014	11/10/20	11/11/20	TPH 8015M	
>C12-C28	26.9	25.5	mg/kg dry	1	P0K1014	11/10/20	11/11/20	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P0K1014	11/10/20	11/11/20	TPH 8015M	
Surrogate: 1-Chlorooctane		103 %	70-1	30	P0K1014	11/10/20	11/11/20	TPH 8015M	
Surrogate: o-Terphenyl		110 %	70-1	30	P0K1014	11/10/20	11/11/20	TPH 8015M	
Total Petroleum Hydrocarbon	26.9	25.5	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-3 @ 4' 0K09003-02 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Methods							
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801	5M						
C6-C12	ND	25.3	mg/kg dry	1	P0K1014	11/10/20	11/11/20	TPH 8015M
>C12-C28	45.4	25.3	mg/kg dry	1	P0K1014	11/10/20	11/11/20	TPH 8015M
>C28-C35	37.2	25.3	mg/kg dry	1	P0K1014	11/10/20	11/11/20	TPH 8015M
Surrogate: 1-Chlorooctane		107 %	70-130		P0K1014	11/10/20	11/11/20	TPH 8015M
Surrogate: o-Terphenyl		114 %	70-130		P0K1014	11/10/20	11/11/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	82.6	25.3	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-9 @ 4' 0K09003-03 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EPA</b>	A / Standard Methods	S						
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C3:	5 by EPA Method 801	5M						
C6-C12	ND	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C12-C28	381	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C28-C35	220	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: 1-Chlorooctane		90.8 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: o-Terphenyl		111 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Total Petroleum Hydrocarbon	601	25.5	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

### BH-14 @ 4' 0K09003-04 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

General Chemistry Parameters by EPA	A / Standard Methods							
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801	5M						
C6-C12	ND	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C12-C28	585	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C28-C35	320	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: 1-Chlorooctane		91.8 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: o-Terphenyl		105 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Total Petroleum Hydrocarbon	905	25.3	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-15 @ 4' 0K09003-05 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Methods	S						
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801	5M						
C6-C12	ND	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C12-C28	29.0	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C28-C35	ND	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: 1-Chlorooctane		88.1 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: o-Terphenyl		97.5 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	29.0	25.3	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX 70707

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-17B @ 3' 0K09003-06 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

General Chemistry Parameters by EPA/S	Standard Methods							
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by	EPA Method 801	5M						
C6-C12	ND	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C12-C28	ND	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C28-C35	ND	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: 1-Chlorooctane		92.3 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: o-Terphenyl		108 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-20 @ 4' 0K09003-07 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods													
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216					
Total Petroleum Hydrocarbons C6-C35	by EPA Method 801:	5M											
C6-C12	ND	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M					
>C12-C28	73.7	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M					
>C28-C35	42.2	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M					
Surrogate: 1-Chlorooctane		93.3 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M					
Surrogate: o-Terphenyl		106 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M					
Total Petroleum Hydrocarbon C6-C35	116	25.3	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc					

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-21 @ 4' 0K09003-08 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801	15M						
C6-C12	ND	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C12-C28	226	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C28-C35	107	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: 1-Chlorooctane		92.6 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: o-Terphenyl		105 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	332	25.3	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-26 @ 4' 0K09003-09 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EPA</b>	A / Standard Methods	8						
% Moisture	ND	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801	5M						
C6-C12	ND	25.0	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C12-C28	218	25.0	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C28-C35	120	25.0	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: 1-Chlorooctane		92.9 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: o-Terphenyl		107 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Total Petroleum Hydrocarbon	338	25.0	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-27 @ 4' 0K09003-10 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

General Chemistry Parameters by EPA / S	tandard Methods							
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by	EPA Method 801	5M						
C6-C12	ND	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C12-C28	252	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C28-C35	131	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: 1-Chlorooctane		97.3 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: o-Terphenyl		115 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	383	25.3	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075 Midland TX, 79707 Project Manager: Sylwia Reynolds

### BH-32 @ 4' 0K09003-11 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

General Chemistry Parameters by EPA/S	Standard Methods	S						
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by	EPA Method 801	5M						
C6-C12	ND	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C12-C28	698	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C28-C35	382	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: 1-Chlorooctane		97.5 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: o-Terphenyl		115 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	1080	25.3	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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### BH-33 @ 4' 0K09003-12 (Soil)

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

<b>General Chemistry Parameters by EP</b>	A / Standard Methods	1						
% Moisture	4.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
<b>Total Petroleum Hydrocarbons C6-C3</b>	5 by EPA Method 801	5M						
C6-C12	ND	26.0	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C12-C28	56.2	26.0	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C28-C35	36.8	26.0	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: 1-Chlorooctane		98.6 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: o-Terphenyl		118 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	93.0	26.0	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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BH-37 @ 4' 0K09003-13 (Soil)

									1
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Methods	1						
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
<b>Total Petroleum Hydrocarbons C6-C3</b>	5 by EPA Method 801	5M						
C6-C12	ND	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C12-C28	272	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C28-C35	151	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: 1-Chlorooctane		96.6 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: o-Terphenyl		112 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	422	25.3	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

> BH-38 @ 4' 0K09003-14 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

General Chemistry Parameters by EPA/	Standard Methods	ł						
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 b	y EPA Method 801	5M						
C6-C12	ND	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C12-C28	ND	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C28-C35	ND	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: 1-Chlorooctane		96.9 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: o-Terphenyl		115 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075 Midland TX, 79707 Project Manager: Sylwia Reynolds Fax:

# BH-39 @ 4' 0K09003-15 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Permie	an Rasin Fi	nvironma	ental Lab. I	. <b>P</b>				

General Chemistry Parameters by EP.	A / Standard Methods	S							
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801	15M							
C6-C12	ND	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M	
>C12-C28	33.6	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M	
Surrogate: 1-Chlorooctane		89.1 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M	
Surrogate: o-Terphenyl		112 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	33.6	25.5	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-45 @ 4' 0K09003-16 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801	15M						
C6-C12	ND	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C12-C28	219	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C28-C35	121	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: 1-Chlorooctane		90.8 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: o-Terphenyl		105 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	340	25.5	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075 Midland TX, 79707 Project Manager: Sylwia Reynolds Fax:

# BH-46 @ 4' 0K09003-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Permi	an Basin E	nvironme	ental Lab, L	P.				

General Chemistry Parameters by EPA	A / Standard Methods								
% Moisture	3.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801	5M							
C6-C12	ND	25.8	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M	
>C12-C28	449	25.8	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M	
>C28-C35	217	25.8	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M	
Surrogate: 1-Chlorooctane		91.9 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M	
Surrogate: o-Terphenyl		105 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	665	25.8	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

> BH-47 @ 4' 0K09003-18 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EPA / S</b>	tandard Method	s						
% Moisture	3.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
<b>Total Petroleum Hydrocarbons C6-C35 by</b>	EPA Method 801	15M						
C6-C12	ND	25.8	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C12-C28	ND	25.8	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C28-C35	ND	25.8	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: 1-Chlorooctane		96.6 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: o-Terphenyl		114 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-48 @ 4' 0K09003-19 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

General Chemistry Parameters by EPA / Standard Methods												
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216				
<b>Total Petroleum Hydrocarbons C6-C3</b>	5 by EPA Method 801	5M										
C6-C12	ND	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M				
>C12-C28	146	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M				
>C28-C35	88.1	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M				
Surrogate: 1-Chlorooctane		96.8 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M				
Surrogate: o-Terphenyl		115 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M				
Total Petroleum Hydrocarbon C6-C35	234	25.5	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc				

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-49 @ 4' 0K09003-20 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Methods							
% Moisture	3.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801:	5M						
C6-C12	ND	25.8	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C12-C28	404	25.8	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C28-C35	319	25.8	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: 1-Chlorooctane		106 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: o-Terphenyl		123 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	723	25.8	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-50 @ 4' 0K09003-21 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Methods	S						
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
<b>Total Petroleum Hydrocarbons C6-C3</b>	5 by EPA Method 801	15M						
C6-C12	ND	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C12-C28	204	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C28-C35	113	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: 1-Chlorooctane		81.6 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: o-Terphenyl		98.8 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	317	25.5	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-51 @ 4'

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

0K09003-22 (Soil)

General Chemistry Parameters by EPA / Standard Methods											
% Moisture	6.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216			
Total Petroleum Hydrocarbons C6-C35 by	EPA Method 801	5M									
C6-C12	ND	26.6	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M			
>C12-C28	ND	26.6	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M			
>C28-C35	ND	26.6	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M			
Surrogate: 1-Chlorooctane		96.7 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M			
Surrogate: o-Terphenyl		116 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M			
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc			

Dean Project: Plains Artesia Gathering East

228

171

399

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

TPH 8015M

TPH 8015M

TPH 8015M

TPH 8015M

calc

S-GC

## BH-52 @ 4' 0K09003-23 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes			
Permian Basin Environmental Lab, L.P.												
<b>General Chemistry Parameters by EPA</b>	/ Standard Methods											
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216				
<b>Total Petroleum Hydrocarbons C6-C35</b>	by EPA Method 8015N	М										
C6-C12	ND	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M				

25.5 mg/kg dry

25.5 mg/kg dry

mg/kg dry

70-130

70-130

25.5

 $116\,\%$ 

142 %

P0K1016

P0K1016

P0K1016

P0K1016

[CALC]

11/10/20

11/10/20

11/10/20

11/10/20

11/10/20

11/12/20

11/12/20

11/12/20

11/12/20

11/12/20

Surrogate: o-Terphenyl

Total Petroleum Hydrocarbon
C6-C35

Surrogate: 1-Chlorooctane

>C12-C28

>C28-C35

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

# BH-53 @ 4' 0K09003-24 (Soil)

									1
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EPA/S</b>	Standard Methods	S						
% Moisture	4.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by	EPA Method 801	15M						
C6-C12	ND	26.0	mg/kg dry	1	P0K1016	11/10/20	11/11/20	TPH 8015M
>C12-C28	ND	26.0	mg/kg dry	1	P0K1016	11/10/20	11/11/20	TPH 8015M
>C28-C35	ND	26.0	mg/kg dry	1	P0K1016	11/10/20	11/11/20	TPH 8015M
Surrogate: 1-Chlorooctane		94.8 %	70-130		P0K1016	11/10/20	11/11/20	TPH 8015M
Surrogate: o-Terphenyl		113 %	70-130		P0K1016	11/10/20	11/11/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-54 @ 4' 0K09003-25 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

General Chemistry Parameters by EPA / Standard Methods												
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216				
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801	5M										
C6-C12	27.0	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M				
>C12-C28	348	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M				
>C28-C35	228	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M				
Surrogate: 1-Chlorooctane		97.1 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M				
Surrogate: o-Terphenyl		117 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M				
Total Petroleum Hydrocarbon C6-C35	603	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc				

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX 70707

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-55 @ 4' 0K09003-26 (Soil)

									1
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

General Chemistry Parameters by EPA / Standard Methods												
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216				
<b>Total Petroleum Hydrocarbons C6-C3</b>	5 by EPA Method 801	5M										
C6-C12	ND	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M				
>C12-C28	37.4	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M				
>C28-C35	26.0	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M				
Surrogate: 1-Chlorooctane		91.1 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M				
Surrogate: o-Terphenyl		113 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M				
Total Petroleum Hydrocarbon C6-C35	63.3	25.5	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc				

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-56 @ 4' 0K09003-27 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

General Chemistry Parameters by EPA / Standard Methods											
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216			
Total Petroleum Hydrocarbons C6-C35 by	y EPA Method 801	5M									
C6-C12	ND	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M			
>C12-C28	497	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M			
>C28-C35	262	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M			
Surrogate: 1-Chlorooctane		89.8 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M			
Surrogate: o-Terphenyl		111 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M			
Total Petroleum Hydrocarbon C6-C35	759	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc			

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-57 @ 4' 0K09003-28 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Methods	i						
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801	5M						
C6-C12	ND	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C12-C28	207	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C28-C35	127	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: 1-Chlorooctane		90.3 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: o-Terphenyl		109 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Total Petroleum Hydrocarbon	334	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-58 @ 4' 0K09003-29 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

General Chemistry Parameters by EPA / Standard Methods												
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216				
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801:	5M										
C6-C12	ND	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M				
>C12-C28	239	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M				
>C28-C35	153	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M				
Surrogate: 1-Chlorooctane		93.4 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M				
Surrogate: o-Terphenyl		114 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M				
Total Petroleum Hydrocarbon C6-C35	392	25.5	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc				

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

> BH-59 @ 4' 0K09003-30 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EPA</b>	A / Standard Methods	i							
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C3:	5 by EPA Method 801	5M							
C6-C12	ND	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M	
>C12-C28	109	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M	
>C28-C35	64.7	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		82.9 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		99.3 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M	
Total Petroleum Hydrocarbon	174	25.5	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-60 @ 4' 0K09003-31 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

General Chemistry Parameters by EPA / Standard Methods													
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216					
Total Petroleum Hydrocarbons C6-C35 by	y EPA Method 801	5M											
C6-C12	ND	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M					
>C12-C28	ND	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M					
>C28-C35	ND	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M					
Surrogate: 1-Chlorooctane		98.0 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M					
Surrogate: o-Terphenyl		115 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M					
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc					

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

> BH-61 @ 4' 0K09003-32 (Soil)

		Reporting							
		1 5							I .
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1 3						1	,		

General Chemistry Parameters by EPA / Standard Methods													
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216					
<b>Total Petroleum Hydrocarbons C6-C3</b>	5 by EPA Method 801	5M											
C6-C12	ND	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M					
>C12-C28	135	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M					
>C28-C35	80.6	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M					
Surrogate: 1-Chlorooctane		99.7 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M					
Surrogate: o-Terphenyl		117 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M					
Total Petroleum Hydrocarbon C6-C35	215	25.5	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc					

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-62 @ 4' 0K09003-33 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Methods							
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801	5M						
C6-C12	ND	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C12-C28	225	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C28-C35	141	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: 1-Chlorooctane		101 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: o-Terphenyl		120 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Total Petroleum Hydrocarbon	365	25.5	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

> BH-63 @ 4' 0K09003-34 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

General Chemistry Parameters by EPA / Standard Methods													
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216					
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801	5M											
C6-C12	ND	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M					
>C12-C28	118	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M					
>C28-C35	59.4	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M					
Surrogate: 1-Chlorooctane		98.3 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M					
Surrogate: o-Terphenyl		119 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M					
Total Petroleum Hydrocarbon C6-C35	177	25.5	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc					

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

> BH-64 @ 4' 0K09003-35 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

General Chemistry Parameters by EPA / Standard Methods													
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216					
Total Petroleum Hydrocarbons C6-C35 b	y EPA Method 801	5M											
C6-C12	ND	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M					
>C12-C28	ND	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M					
>C28-C35	ND	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M					
Surrogate: 1-Chlorooctane		95.2 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M					
Surrogate: o-Terphenyl		113 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M					
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc					

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-65 @ 4' 0K09003-36 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

General Chemistry Parameters by EPA / Standard Methods												
% Moisture	3.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216				
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801	5M										
C6-C12	ND	25.8	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M				
>C12-C28	62.7	25.8	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M				
>C28-C35	44.9	25.8	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M				
Surrogate: 1-Chlorooctane		95.6 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M				
Surrogate: o-Terphenyl		114 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M				
Total Petroleum Hydrocarbon C6-C35	108	25.8	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc				

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-66 @ 4' 0K09003-37 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

General Chemistry Parameters by EPA / S	Standard Methods	s						
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by	EPA Method 801	15M						
C6-C12	ND	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C12-C28	ND	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C28-C35	ND	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: 1-Chlorooctane		92.3 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: o-Terphenyl		113 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

# BH-67 @ 4' 0K09003-38 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

General Chemistry Parameters by EPA / S	Standard Method:	s						
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by	EPA Method 801	15M						
C6-C12	ND	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C12-C28	ND	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C28-C35	ND	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: 1-Chlorooctane		88.0 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: o-Terphenyl		105 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-68 @ 4' 0K09003-39 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Methods	S						
% Moisture	3.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801	5M						
C6-C12	ND	25.8	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C12-C28	31.6	25.8	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C28-C35	ND	25.8	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: 1-Chlorooctane		87.4 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: o-Terphenyl		113 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	31.6	25.8	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-69 @ 4' 0K09003-40 (Soil)

		Reporting							- 1
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Methods							
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
<b>Total Petroleum Hydrocarbons C6-C3</b>	5 by EPA Method 801	5M						
C6-C12	ND	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C12-C28	255	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C28-C35	150	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: 1-Chlorooctane		98.7 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: o-Terphenyl		119 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Total Petroleum Hydrocarbon	405	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075 Midland TX, 79707 Project Manager: Sylwia Reynolds Fax:

# BH-70 @ 4' 0K09003-41 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Permi	an Basin Eı	nvironm	ental Lab, L	P.				

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General Chemistry Parameters by EPA / S	standard Methods	1						
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by	EPA Method 801	5M						
C6-C12	ND	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C12-C28	ND	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C28-C35	ND	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: 1-Chlorooctane		88.1 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: o-Terphenyl		109 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

> BH-81 @ 4' 0K09003-42 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EPA / S</b>	Standard Method	S						
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
<b>Total Petroleum Hydrocarbons C6-C35 by</b>	EPA Method 80	15M						
C6-C12	ND	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C12-C28	ND	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C28-C35	ND	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: 1-Chlorooctane		87.4 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: o-Terphenyl		109 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg drv	1	[CALC]	11/10/20	11/12/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-82 @ 3' 0K09003-43 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Thayte						Trepared	7 mary 2ec	Heliou	
	Peri	nian Basin F	ınvıronmei	itai Lab, i	L <b>.Y.</b>				
Organics by GC									
Benzene	0.00317	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Toluene	0.00634	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Ethylbenzene	0.00783	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (p/m)	0.00401	0.00200	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		103 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EPA	/ Standard Method	ds							
Chloride	74.2	1.01	mg/kg dry	1	P0K1101	11/11/20	11/12/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 80	)15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		114 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		122 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-83 @ 3' 0K09003-44 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin I	Environmer	ıtal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		103 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EPA	Standard Method	ls							
Chloride	5.21	1.01	mg/kg dry	1	P0K1101	11/11/20	11/12/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 l	oy EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		115 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		125 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

075

# BH-84 @ 3' 0K09003-45 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmen	tal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Ethylbenzene	0.00174	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		106 %	75-1.	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		104 %	75-1.	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
<b>General Chemistry Parameters by EPA</b>	/ Standard Method	s							
Chloride	4.16	1.01	mg/kg dry	1	P0K1101	11/11/20	11/12/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
<b>Total Petroleum Hydrocarbons C6-C35</b>	by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		113 %	70-1.	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		122 %	70-1.	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	

Dean Project: Plains Artesia Gathering East

ND

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-85 @ 3' 0K09003-46 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Anaryte	Resuit	LIIIII	Units	Dilution	Daten	Prepared	Anaryzeu	Method	Notes
	Perm	ian Basin I	Environmen	ntal Lab, l	L.P.				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		108 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
<b>General Chemistry Parameters by El</b>	PA / Standard Methods	i							
Chloride	6.38	1.01	mg/kg dry	1	P0K1101	11/11/20	11/12/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 801	5M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		116 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		124 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	

25.3 mg/kg dry

[CALC]

11/10/20

11/12/20

calc

Total Petroleum Hydrocarbon C6-C35

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

075

# BH-86 @ 4' 0K09003-47 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmen	tal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	0.00225	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Toluene	0.0245	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Ethylbenzene	0.00904	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (p/m)	0.00301	0.00200	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	75-1.	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		108 %	75-1.	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
<b>General Chemistry Parameters by F</b>	CPA / Standard Method	ls							
Chloride	3.54	1.01	mg/kg dry	1	P0K1101	11/11/20	11/12/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-0	C35 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C12-C28	235	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	106	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		116 %	70-1.	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		123 %	70-1.	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Total Petroleum Hydrocarbon	340	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	
C6-C35									

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-87 @ 4' 0K09003-48 (Soil)

	D 1	Reporting	TT 11	Dil di	D. I	ъ .		N. d. 1	37.
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin E	Environmer	ıtal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Toluene	0.00405	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Ethylbenzene	0.00701	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (p/m)	0.00286	0.00200	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		107 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EPA	/ Standard Method	ls							
Chloride	11.9	1.01	mg/kg dry	1	P0K1101	11/11/20	11/12/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		152 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	S-GC1
Surrogate: o-Terphenyl		154 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	S-GC1
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

075

## BH-88 @ 4' 0K09003-49 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin F	Environmen	tal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		107 %	75-1.	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-1.	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EPA / Star	ndard Method	ds							
Chloride	8.69	1.02	mg/kg dry	1	P0K1101	11/11/20	11/12/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by El	PA Method 80	)15M							
C6-C12	ND	25.5	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		112 %	70-1.	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		123 %	70-1.	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-89 @ 4' 0K09003-50 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perm	nian Basin E	Environme	ıtal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		103 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EP	A / Standard Method	s							
Chloride	3.95	1.01	mg/kg dry	1	P0K1101	11/11/20	11/12/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C12-C28	181	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	91.2	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		111 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		118 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Total Petroleum Hydrocarbon	272	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	

C6-C35

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

## BH-90 @ 4' 0K09003-51 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
	Pern	nian Basin E	Environmer	ıtal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		108 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EI	PA / Standard Method	ls							
Chloride	7.59	1.02	mg/kg dry	1	P0K1101	11/11/20	11/12/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C.	35 by EPA Method 80	15M							
C6-C12	ND	25.5	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C12-C28	291	25.5	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	142	25.5	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		115 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		119 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	433	25.5	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

## BH-91 @ 4' 0K09003-52 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
	Pern	nian Basin E	Environmen	ıtal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EPA	Standard Method	s							
Chloride	10.3	1.01	mg/kg dry	1	P0K1101	11/11/20	11/12/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 l	by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		117 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		124 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

2075

## BH-92 @ 4' 0K09003-53 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perr	nian Basin E	Environme	ıtal Lab, l	L.P.				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		108 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.6 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
<b>General Chemistry Parameters by EPA</b>	Standard Method	ls							
Chloride	16.0	1.01	mg/kg dry	1	P0K1101	11/11/20	11/12/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 l	by EPA Method 80	)15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		120 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		128 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

## BH-93 @ 4' 0K09003-54 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perr	nian Basin I	Environme	ntal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		103 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
<b>General Chemistry Parameters by EPA</b>	Standard Method	ls							
Chloride	7.41	1.01	mg/kg dry	1	P0K1101	11/11/20	11/12/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 l	by EPA Method 80	)15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		125 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		135 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

East SW B @ 3.5' 0K09003-55 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Thatyte	Result	Liiiit	Omto	Dilution	Baten	Trepared	7 mary zec	Wethou	Trotes
	Perm	iian Basin E	Invironmen	tal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		100 %	75-12	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		108 %	75-12	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EF	PA / Standard Method	s							
Chloride	9.34	1.01	mg/kg dry	1	P0K1101	11/11/20	11/12/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C3	35 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C12-C28	208	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	89.1	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		124 %	70-1.	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		129 %	70-1.	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	298	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

East SW D @ 3.5' 0K09003-56 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin E	Environme	ntal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		106 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		103 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EPA /	Standard Method	ls							
Chloride	10.1	1.01	mg/kg dry	1	P0K1101	11/11/20	11/12/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 h	y EPA Method 80	)15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		124 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		133 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	S-GO
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

> East SW 3 @ 3.5' 0K09003-57 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin F	Environmei	ıtal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		103 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EPA /	Standard Method	ls							
Chloride	7.37	1.01	mg/kg dry	1	P0K1101	11/11/20	11/12/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 h	oy EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		122 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		132 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

North SW B1A @ 2' 0K09003-58 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmer	ıtal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EPA	Standard Method	ls							
Chloride	2.68	1.00	mg/kg dry	1	P0K1101	11/11/20	11/12/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 l	oy EPA Method 80	015M							
C6-C12	ND	25.0	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	·
>C12-C28	ND	25.0	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		119 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		124 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

#### North SW B2A @ 2' 0K09003-59 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environme	ıtal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		108 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		98.6 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EPA /	Standard Method	ls							
Chloride	8.38	1.01	mg/kg dry	1	P0K1102	11/11/20	11/13/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 b	oy EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		123 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		131 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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## North SW C @ 2' 0K09003-60 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perm	ian Basin E	Environmen	tal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		107 %	75-1.	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-1.	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
General Chemistry Parameters by El	PA / Standard Method	s							
Chloride	9.57	1.01	mg/kg dry	1	P0K1102	11/11/20	11/13/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C12-C28	66.1	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	36.5	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		122 %	70-1.	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		126 %	70-1.	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	103	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

tesia Gathering East Fax:

## North Wall C @ 3.5' 0K09003-61 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmer	ıtal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		106 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
General Chemistry Parameters by E	PA / Standard Method	ls							
Chloride	4.62	1.02	mg/kg dry	1	P0K1102	11/11/20	11/13/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80	15M							
C6-C12	ND	25.5	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C12-C28	205	25.5	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C28-C35	117	25.5	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		75.1 %	70-1	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: o-Terphenyl		88.4 %	70-1	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	323	25.5	mg/kg dry	1	[CALC]	11/10/20	11/10/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

South SW B @ 3.5' 0K09003-62 (Soil)

Austra	Dl4	Reporting	T I i.e.	Dilection	Detal	D 1	A l	Madead	Nister
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Per	mian Basin E	Environmer	ıtal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Toluene	0.0117	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Ethylbenzene	0.0179	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (p/m)	0.00775	0.00200	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (o)	0.00175	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		108 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
<b>General Chemistry Parameters by EPA / S</b>	tandard Metho	ds							
Chloride	4.18	1.01	mg/kg dry	1	P0K1102	11/11/20	11/13/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
<b>Total Petroleum Hydrocarbons C6-C35 by</b>	EPA Method 80	)15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		89.6 %	70-1	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: o-Terphenyl		102 %	70-1	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/10/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

## South SW C @ 2' 0K09003-63 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perm	ian Basin E	Environmen	tal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		106 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EPA /	Standard Method	s							
Chloride	19.0	1.00	mg/kg dry	1	P0K1102	11/11/20	11/13/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 b	oy EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		93.8 %	70-1	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: o-Terphenyl		109 %	70-1	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	11/10/20	11/10/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

## South SW C @ 3.5' 0K09003-64 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Per	nian Basin F	Environme	ntal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Toluene	0.00233	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Ethylbenzene	0.00780	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (p/m)	0.00329	0.00200	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		103 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
<b>General Chemistry Parameters by EPA / Sta</b>	andard Metho	ds							
Chloride	4.85	1.01	mg/kg dry	1	P0K1102	11/11/20	11/13/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by E	CPA Method 80	)15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane	<u> </u>	95.7 %	70-1	30	P0K1011	11/10/20	11/10/20	TPH 8015M	<u> </u>
Surrogate: o-Terphenyl		109 %	70-1	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/10/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

South SW D @ 3.5' 0K09003-65 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmen	ıtal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		106 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EPA	Standard Method	ls							
Chloride	4.06	1.02	mg/kg dry	1	P0K1102	11/11/20	11/13/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 l	oy EPA Method 80	15M							
C6-C12	ND	25.5	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		94.4 %	70-1	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: o-Terphenyl		111 %	70-1	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	11/10/20	11/10/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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## West SW @ 2' 0K09003-66 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin I	Environme	ıtal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		109 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EPA	Standard Method	ls							
Chloride	5.83	1.01	mg/kg dry	1	P0K1102	11/11/20	11/13/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 l	oy EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		97.1 %	70-1	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: o-Terphenyl		110 %	70-1	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/10/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

## West SW B1A @ 1.5' 0K09003-67 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Allaryte	Result	Lillit	Units	Dilution	Batch	Frepared	Allalyzeu	Wethod	Notes
	Pern	nian Basin E	Environmer	ıtal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	0.0132	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Toluene	0.0346	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Ethylbenzene	0.0157	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (p/m)	0.00613	0.00200	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (o)	0.00124	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		111 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EPA	/ Standard Method	ls							
Chloride	5.84	1.00	mg/kg dry	1	P0K1102	11/11/20	11/13/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 80	15M							
C6-C12	ND	25.0	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		90.6 %	70-1	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: o-Terphenyl		97.8 %	70-1	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	11/10/20	11/10/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

West SW B2A @ 2' 0K09003-68 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
	Per	mian Basin F	Environme	ntal Lab, l	 L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Ethylbenzene	0.00132	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		109 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EPA	/ Standard Metho	ds							
Chloride	8.25	1.01	mg/kg dry	1	P0K1102	11/11/20	11/13/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 80	015M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		95.2 %	70-1	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: o-Terphenyl		114 %	70-1	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/10/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Sylwia Reynolds

West SW C @ 2' 0K09003-69 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin I	Environme	ntal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		107 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.4 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EPA	Standard Method	ls							
Chloride	5.18	1.01	mg/kg dry	1	P0K1102	11/11/20	11/13/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 l	oy EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		99.5 %	70-1	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: o-Terphenyl		115 %	70-1	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/10/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

West SW C @ 3.5' 0K09003-70 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmer	ıtal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Toluene	0.00836	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Ethylbenzene	0.0137	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (p/m)	0.00610	0.00200	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (o)	0.00128	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		109 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		98.1 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
<b>General Chemistry Parameters by EPA</b>	/ Standard Method	ls							
Chloride	7.88	1.01	mg/kg dry	1	P0K1102	11/11/20	11/13/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 80	015M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		102 %	70-1	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: o-Terphenyl		114 %	70-1	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/10/20	calc	

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

Fax:

## 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
•		Limit		25,61	resurt					.10103
Batch P0K1006 - General Preparation (C	GC)									
Blank (P0K1006-BLK1)				Prepared: 1	1/10/20 An	alyzed: 11	/11/20			
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.2	75-125			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	75-125			
LCS (P0K1006-BS1)				Prepared: 1	1/10/20 An	alyzed: 11	/11/20			
Benzene	0.0853	0.00100	mg/kg wet	0.100		85.3	80-120			
Toluene	0.0817	0.00100	"	0.100		81.7	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.166	0.00200	"	0.200		83.2	80-120			
Xylene (o)	0.0926	0.00100	"	0.100		92.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		105	75-125			
Surrogate: 1,4-Difluorobenzene	0.132		"	0.120		110	75-125			
LCS Dup (P0K1006-BSD1)				Prepared: 1	1/10/20 An	alyzed: 11	/11/20			
Benzene	0.0830	0.00100	mg/kg wet	0.100		83.0	80-120	2.82	20	
Toluene	0.0806	0.00100	"	0.100		80.6	80-120	1.33	20	
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120	2.67	20	
Xylene (p/m)	0.163	0.00200	"	0.200		81.7	80-120	1.85	20	
Xylene (o)	0.0882	0.00100	"	0.100		88.2	80-120	4.88	20	
Surrogate: 4-Bromofluorobenzene	0.130		"	0.120		109	75-125			
Surrogate: 1,4-Difluorobenzene	0.136		"	0.120		113	75-125			
Calibration Blank (P0K1006-CCB1)				Prepared: 1	1/10/20 An	alyzed: 11	/11/20			
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Kylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		98.8	75-125			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	75-125			

Permian Basin Environmental Lab, L.P.

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

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

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

Benzene	Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Prepared: 11/10/20   Analyzed: 11/11/20   Calibration Blank (POK1006-CCB2)   Prepared: 11/10/20   Analyzed: 11/11/20   Calibration Blank (POK1006-CCB2)   Prepared: 11/10/20   Analyzed: 11/11/20   Calibration Blank (POK1006-CCB2)   Prepared: 11/10/20   Analyzed: 11/11/20   Prepared: 11/10/20   Prepare	Batch P0K1006 - General Preparation (	GC)									
Toluene 0.00 "Ethiylencare 0.00 "Sylene (p'm) 0.00 "Sylene (p'm) 0.00 "Sylene (p'm) 0.00 "Sylene (p'm) 0.00 "Surraguie: -Branofluorobenzene 0.125 "0.120 104 "5-123 "0.120 107 "5-123 "Surraguie: -Li-Diffuorobenzene 0.125 "Prepared: 11/10/20 Analyzed: 11/11/20 "Surraguie: -Li-Diffuorobenzene 0.00 "Surraguie: -Li-Diffuorobenzene 0.00 "Surraguie: -Li-Diffuorobenzene 0.00 "Surraguie: -Li-Diffuorobenzene 0.00 "Surraguie: -Li-Diffuorobenzene 0.00 "Surraguie: -Li-Diffuorobenzene 0.00 "Surraguie: -Li-Diffuorobenzene 0.00 "Surraguie: -Li-Diffuorobenzene 0.00 "Surraguie: -Li-Diffuorobenzene 0.00 "Surraguie: -Li-Diffuorobenzene 0.00 "Surraguie: -Li-Diffuorobenzene 0.125 "0.120 100 "5-123 "0.120 100 "5-123 Surraguie: -Li-Diffuorobenzene 0.123 "0.120 100 "Surraguie: -Li-Diffuorobenzene 0.123 "0.120 100 "Surraguie: -Li-Diffuorobenzene 0.123 "0.120 Nalyzed: 11/11/20 Analyzed: 11/11/20 Surraguie: -Li-Diffuorobenzene 0.0800 0.0010 "0.1010 86.7 "8-123 Surraguie: -Li-Diffuorobenzene 0.0800 0.0010 "0.1010 86.7 "8-120 Surraguie: -Li-Diffuorobenzene 0.0914 0.0010 "0.1010 86.7 "8-120 Surraguie: -Li-Diffuorobenzene 0.0914 0.0010 "0.1010 91.4 "8-120 Surraguie: -Li-Diffuorobenzene 0.0914 0.0010 "0.1010 91.4 "8-120 Surraguie: -Li-Diffuorobenzene 0.0914 0.0010 "0.1010 91.4 "8-120 Surraguie: -Li-Diffuorobenzene 0.0914 0.0010 "0.1010 91.4 "8-120 Surraguie: -Li-Diffuorobenzene 0.0914 0.0010 "0.1010 91.4 "8-120 Surraguie: -Li-Diffuorobenzene 0.0914 0.0010 "0.1010 88.8 "8-120 Surraguie: -Li-Diffuorobenzene 0.0124 "0.1020 103 "5-123 Surraguie: -Li-Diffuorobenzene 0.0124 "0.0100 88.8 "8-120 Surraguie: -Li-Diffuorobenzene 0.088 0.00100 "0.0100 88.8 "8-120 Surraguie: -Li-Diffuorobenzene 0.088 0.00100 "0.0100 88.8 "8-120 Surraguie: -Li-Diffuorobenzene 0.088 0.00100 "0.0100 88.8 "8-120 Surraguie: -Li-Diffuorobenzene 0.088 0.00100 "0.0100 88.8 "8-120 Surraguie: -Li-Diffuorobenzene 0.098 0.00100 "0.0100 88.8 "8-120 Surraguie: -Li-Diffuorobenzene 0.098 0.00100 "0.0100 88.8 "8-120 Surraguie: -Li-Diffuorobenzene 0.098 0.00100 "0.0100 88.8 "8-120 Surraguie	Calibration Blank (P0K1006-CCB2)	•			Prepared: 1	11/10/20 Ar	nalyzed: 11	/11/20			
Statistical Parametric   0.00	Benzene	0.00		mg/kg wet							
Xylene (p/m)         0.00         "           Xylene (o)         0.00         "           Surrogate: 4-Bromofluorobenzene         0.125         "         0.120         104         75-125           Surrogate: 14-Diffuorobenzene         0.125         "         0.120         101         75-125           Calibration Blank (P0K1006-CCB3)         Prepared: 11/10/20 Analyzed: 11/11/20           Benzene         0.00         "gykg wet           Editybenzene         0.00         "         "           Xylene (p/m)         0.00         "         "           Xylene (o)         0.00         "         1.20         104         75-125           Surrogate: 1-Bromofluorobenzene         0.125         "         0.120         104         75-125           Calibration Check (P0K1006-CCV1)         Prepared: 11/10/20 Analyzed: 11/11/20           Benzene         0.0867         0.0010         "         0.120         Analyzed: 11/11/20           Calibration Check (P0K1006-CCV1)         Prepared: 11/10/20 Analyzed: 11/11/20           Benzene         0.0867         0.0010         "         0.100         8.67         0.010           Calibration Check (P0K1006-CCV1)         Prepared: 11/10/20 Analyzed:	Toluene	0.00		"							
Name   1908   1908   1909	Ethylbenzene	0.00		"							
Surrogate: 1,4-Dilluorobenzene   0.125   " 0.120   104   75-125	Xylene (p/m)	0.00		"							
Maringate: 1,4-Diffuorobenzene   0.122   " 0.120   101   75-125	Xylene (o)	0.00		"							
Prepared: 11/10/20   Analyzed: 11/11/20	Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	75-125			
Benzene   0.00   mg/kg wet	Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		101	75-125			
Toluene 0.00 " Ethylbenzene 0.00 " Xylene (o) 0.00 " Xylene (o) 0.00 " Xylene (o) 0.00 " Xylene (o) 0.00 " Xylene (o) 0.00 " Xylene (o) 0.00 " Xylene (o) 0.00 " Xylene (o) 0.00 " Xylene (o) 0.00 " Xylene (o) 0.00 " Xylene (o) 0.00 " Xylene (o) 0.00 " Xylene (o) 0.00 " Xylene (o) 0.00 " Xylene (o) 0.00 mg/kg wet 0.100 86.7 80.120 Xylene (o) 0.000 " Xylen	Calibration Blank (P0K1006-CCB3)				Prepared:	11/10/20 Ar	nalyzed: 11	/11/20			
Ethylbenzene 0.00 "  Sylene (p/m) 0.00 "  Sylene (o) 0.00 "  Surrogate: 4-Bromofluorobenzene 0.125 " 0.120 104 75-125  Surrogate: 1,4-Difluorobenzene 0.123 " 0.120 102 75-125  Calibration Check (POK1006-CCV1)	Benzene	0.00		mg/kg wet							
Name   Composition   Name	Toluene	0.00		"							
Nylene (p)   0.00   0.00   1   1   1   1   1   1   1   1   1	Ethylbenzene	0.00		"							
Surrogate: 4-Bromofluorobenzene   0.125   " 0.120   104   75-125	Xylene (p/m)	0.00		"							
National Check (POK1006-CCV1)   Prepared: 11/10/20   Analyzed: 11/11/20	Xylene (o)	0.00		"							
Prepared: 11/10/20 Analyzed: 11/11/20	Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	75-125			
Benzene   0.0867   0.00100   mg/kg wet   0.100   86.7   80-120	Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		102	75-125			
Toluene 0.0800 0.00100 " 0.100 80.0 80-120 Ethylbenzene 0.0914 0.00100 " 0.100 91.4 80-120 Xylene (p/m) 0.161 0.00200 " 0.200 80.7 80-120 Xylene (o) 0.0934 0.00100 " 0.100 93.4 80-120 Surrogate: 4-Bromofluorobenzene 0.126 " 0.120 105 75-125 Surrogate: 1,4-Difluorobenzene 0.124 " 0.120 103 75-125  Calibration Check (P0K1006-CCV2) Prepared: 11/10/20 Analyzed: 11/11/20 Benzene 0.0888 0.00100 mg/kg wet 0.100 88.8 80-120 Toluene 0.0804 0.00100 " 0.100 80.4 80-120 Ethylbenzene 0.0905 0.00100 " 0.100 90.5 80-120 Xylene (p/m) 0.162 0.00200 " 0.200 81.0 80-120 Xylene (o) 0.0910 0.00100 " 0.100 91.0 80-120 Surrogate: 4-Bromofluorobenzene 0.129 " 0.120 107 75-125	Calibration Check (P0K1006-CCV1)				Prepared: 1	11/10/20 Ar	nalyzed: 11	/11/20			
Ethylbenzene 0.0914 0.00100 " 0.100 91.4 80-120  Xylene (p/m) 0.161 0.00200 " 0.200 80.7 80-120  Xylene (o) 0.0934 0.00100 " 0.100 93.4 80-120  Surrogate: 4-Bromofluorobenzene 0.126 " 0.120 105 75-125  Surrogate: 1,4-Difluorobenzene 0.124 " 0.120 103 75-125  Calibration Check (P0K1006-CCV2) Prepared: 11/10/20 Analyzed: 11/11/20  Benzene 0.0888 0.00100 mg/kg wet 0.100 88.8 80-120  Toluene 0.0804 0.00100 " 0.100 80.4 80-120  Ethylbenzene 0.0905 0.00100 " 0.100 90.5 80-120  Xylene (p/m) 0.162 0.00200 " 0.200 81.0 80-120  Xylene (o) 0.0910 0.00100 " 0.100 91.0 80-120  Surrogate: 4-Bromofluorobenzene 0.129 " 0.120 107 75-125	Benzene	0.0867	0.00100	mg/kg wet	0.100		86.7	80-120			
Xylene (p/m)       0.161       0.00200       "       0.200       80.7       80-120         Xylene (o)       0.0934       0.00100       "       0.100       93.4       80-120         Surrogate: 4-Bromofluorobenzene       0.126       "       0.120       105       75-125         Surrogate: 1,4-Difluorobenzene       0.124       "       0.120       103       75-125         Calibration Check (P0K1006-CCV2)       Prepared: 11/10/20 Analyzed: 11/11/20         Benzene       0.0888       0.00100       mg/kg wet       0.100       88.8       80-120         Toluene       0.0804       0.00100       "       0.100       80.4       80-120         Ethylbenzene       0.0905       0.00100       "       0.100       90.5       80-120         Xylene (p/m)       0.162       0.00200       "       0.200       81.0       80-120         Xylene (o)       0.0910       0.00100       "       0.100       91.0       80-120         Surrogate: 4-Bromofluorobenzene       0.129       "       0.120       107       75-125	Toluene	0.0800	0.00100	"	0.100		80.0	80-120			
Xylene (o)         0.0934         0.00100         "         0.100         93.4         80-120           Surrogate: 4-Bromofluorobenzene         0.126         "         0.120         105         75-125           Surrogate: 1,4-Difluorobenzene         0.124         "         0.120         103         75-125           Calibration Check (P0K1006-CCV2)         Prepared: 11/10/20 Analyzed: 11/11/20           Benzene         0.0888         0.00100 mg/kg wet         0.100         88.8         80-120           Toluene         0.0804         0.00100 "         0.100         80.4         80-120           Ethylbenzene         0.0905         0.00100 "         0.100         90.5         80-120           Xylene (p/m)         0.162         0.00200 "         0.200         81.0         80-120           Xylene (o)         0.0910         0.00100 "         0.100         91.0         80-120           Surrogate: 4-Bromofluorobenzene         0.129         "         0.120         107         75-125	Ethylbenzene	0.0914	0.00100	"	0.100		91.4	80-120			
Surrogate: 4-Bromofluorobenzene         0.126         "         0.120         105         75-125           Surrogate: 1,4-Difluorobenzene         0.124         "         0.120         103         75-125           Calibration Check (P0K1006-CCV2)         Prepared: 11/10/20 Analyzed: 11/11/20           Benzene         0.0888         0.00100         mg/kg wet         0.100         88.8         80-120           Toluene         0.0804         0.00100         "         0.100         80.4         80-120           Ethylbenzene         0.0905         0.00100         "         0.100         90.5         80-120           Xylene (p/m)         0.162         0.00200         "         0.200         81.0         80-120           Xylene (o)         0.0910         0.00100         "         0.100         91.0         80-120           Surrogate: 4-Bromofluorobenzene         0.129         "         0.120         107         75-125	Xylene (p/m)	0.161	0.00200	"	0.200		80.7	80-120			
Surrogate: 1,4-Diffuorobenzene         0.124         " 0.120         103         75-125           Calibration Check (P0K1006-CCV2)         Prepared: 11/10/20 Analyzed: 11/11/20           Benzene         0.0888         0.00100 mg/kg wet         0.100         88.8         80-120           Toluene         0.0804         0.00100 " 0.100         80.4         80-120           Ethylbenzene         0.0905         0.00100 " 0.100         90.5         80-120           Xylene (p/m)         0.162         0.00200 " 0.200         81.0         80-120           Xylene (o)         0.0910         0.00100 " 0.100         91.0         80-120           Surrogate: 4-Bromofluorobenzene         0.129         " 0.120         107         75-125	Xylene (o)	0.0934	0.00100	"	0.100		93.4	80-120			
Calibration Check (P0K1006-CCV2)         Prepared: 11/10/20 Analyzed: 11/11/20           Benzene         0.0888         0.00100 mg/kg wet         0.100         88.8         80-120           Toluene         0.0804         0.00100 " 0.100         80.4         80-120           Ethylbenzene         0.0905         0.00100 " 0.100         90.5         80-120           Xylene (p/m)         0.162         0.00200 " 0.200         81.0         80-120           Xylene (o)         0.0910         0.00100 " 0.100         91.0         80-120           Surrogate: 4-Bromofluorobenzene         0.129 " 0.120         107 75-125	Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	75-125			
Benzene 0.0888 0.00100 mg/kg wet 0.100 88.8 80-120 Toluene 0.0804 0.00100 " 0.100 80.4 80-120 Ethylbenzene 0.0905 0.00100 " 0.100 90.5 80-120 Xylene (p/m) 0.162 0.00200 " 0.200 81.0 80-120 Xylene (o) 0.0910 0.00100 " 0.100 91.0 80-120 Surrogate: 4-Bromofluorobenzene 0.129 " 0.120 107 75-125	Surrogate: 1,4-Difluorobenzene	0.124		"	0.120		103	75-125			
Toluene 0.0804 0.00100 " 0.100 80.4 80-120 Ethylbenzene 0.0905 0.00100 " 0.100 90.5 80-120  Xylene (p/m) 0.162 0.00200 " 0.200 81.0 80-120  Xylene (o) 0.0910 0.00100 " 0.100 91.0 80-120  Surrogate: 4-Bromofluorobenzene 0.129 " 0.120 107 75-125	Calibration Check (P0K1006-CCV2)				Prepared: 1	11/10/20 Ar	nalyzed: 11	/11/20			
Ethylbenzene 0.0905 0.00100 " 0.100 90.5 80-120  Xylene (p/m) 0.162 0.00200 " 0.200 81.0 80-120  Xylene (o) 0.0910 0.00100 " 0.100 91.0 80-120  Surrogate: 4-Bromofluorobenzene 0.129 " 0.120 107 75-125	Benzene	0.0888	0.00100	mg/kg wet	0.100		88.8	80-120			
Xylene (p/m)     0.162     0.00200     "     0.200     81.0     80-120       Xylene (o)     0.0910     0.00100     "     0.100     91.0     80-120       Surrogate: 4-Bromofluorobenzene     0.129     "     0.120     107     75-125	Toluene	0.0804	0.00100	"	0.100		80.4	80-120			
Xylene (p/m)       0.102       0.00200       0.200       0.100       0.100       0.100       91.0       80-120         Surrogate: 4-Bromofluorobenzene       0.129       "       0.120       107       75-125	Ethylbenzene	0.0905	0.00100	"	0.100		90.5	80-120			
Surrogate: 4-Bromofluorobenzene         0.129         "         0.120         107         75-125	Xylene (p/m)	0.162	0.00200	"	0.200		81.0	80-120			
surrogue. 4-bronoguorooenzene 0.129 0.120 107 /3-123	Xylene (o)	0.0910	0.00100	"	0.100		91.0	80-120			
Surrogate: 1,4-Difluorobenzene 0.129 " 0.120 107 75-125	Surrogate: 4-Bromofluorobenzene	0.129		"	0.120		107	75-125			
	Surrogate: 1,4-Difluorobenzene	0.129		"	0.120		107	75-125			

Permian Basin Environmental Lab, L.P.

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

## 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 P0K1006 - General Preparation (GC)										
Calibration Check (P0K1006-CCV3)				Prepared: 1	11/10/20 A	nalyzed: 11	/11/20			
Benzene	0.0887	0.00100	mg/kg wet	0.100		88.7	80-120			
Toluene	0.0834	0.00100	"	0.100		83.4	80-120			
Ethylbenzene	0.0935	0.00100	"	0.100		93.5	80-120			
Xylene (p/m)	0.164	0.00200	"	0.200		82.0	80-120			
Xylene (o)	0.0946	0.00100	"	0.100		94.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.129		"	0.120		107	75-125			
Surrogate: 1,4-Difluorobenzene	0.131		"	0.120		110	75-125			
Matrix Spike (P0K1006-MS1)	Sou	rce: 0K09002	2-68	Prepared: 1	11/10/20 A	nalyzed: 11	/11/20			
Benzene	0.0727	0.00100	mg/kg dry	0.105	ND	69.0	80-120			QM-0
Toluene	0.0673	0.00100	"	0.105	ND	63.9	80-120			QM-0
Ethylbenzene	0.0889	0.00100	"	0.105	ND	84.5	80-120			
Xylene (p/m)	0.138	0.00200	"	0.211	ND	65.3	80-120			QM-0
Xylene (o)	0.0720	0.00100	"	0.105	ND	68.4	80-120			QM-0
Surrogate: 4-Bromofluorobenzene	0.131		"	0.126		104	75-125			
Surrogate: 1,4-Difluorobenzene	0.132		"	0.126		105	75-125			
Matrix Spike Dup (P0K1006-MSD1)	Sou	rce: 0K09002	2-68	Prepared: 1	11/10/20 A	nalyzed: 11	/11/20			
Benzene	0.0730	0.00100	mg/kg dry	0.105	ND	69.4	80-120	0.491	20	QM-0
Toluene	0.0671	0.00100	"	0.105	ND	63.7	80-120	0.282	20	QM-0
Ethylbenzene	0.0868	0.00100	"	0.105	ND	82.5	80-120	2.41	20	
Xylene (p/m)	0.133	0.00200	"	0.211	ND	63.1	80-120	3.46	20	QM-0
Xylene (o)	0.0698	0.00100	"	0.105	ND	66.3	80-120	3.10	20	QM-0
Surrogate: 4-Bromofluorobenzene	0.124		"	0.126		98.1	75-125			
Surrogate: 1,4-Difluorobenzene	0.133		"	0.126		105	75-125			
Batch P0K1107 - General Preparation (GC)										
Blank (P0K1107-BLK1)				Prepared &	t Analyzed:	11/11/20				
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	75-125			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.0	75-125			

Permian Basin Environmental Lab, L.P.

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

## 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
Analyte	Result	Limit	Omis	Level	Result	/OKEC	LIIIIIS	KLD	riiiit	notes
Batch P0K1107 - General Preparation (GC	C)									
LCS (P0K1107-BS1)				Prepared &	Analyzed:	11/11/20				
Benzene	0.0883	0.00100	mg/kg wet	0.100		88.3	80-120			
Toluene	0.0824	0.00100	"	0.100		82.4	80-120			
Ethylbenzene	0.0886	0.00100	"	0.100		88.6	80-120			
Xylene (p/m)	0.174	0.00200	"	0.200		87.2	80-120			
Xylene (o)	0.0946	0.00100	"	0.100		94.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.130		"	0.120		108	75-125			
Surrogate: 1,4-Difluorobenzene	0.131		"	0.120		109	75-125			
LCS Dup (P0K1107-BSD1)				Prepared &	Analyzed:	11/11/20				
Benzene	0.0877	0.00100	mg/kg wet	0.100		87.7	80-120	0.682	20	
Toluene	0.0806	0.00100	"	0.100		80.6	80-120	2.23	20	
Ethylbenzene	0.0852	0.00100	"	0.100		85.2	80-120	3.99	20	
Xylene (p/m)	0.173	0.00200	"	0.200		86.6	80-120	0.714	20	
Xylene (o)	0.0951	0.00100	"	0.100		95.1	80-120	0.506	20	
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	75-125			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	75-125			
Calibration Blank (P0K1107-CCB1)				Prepared &	Analyzed:	11/11/20				
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	75-125			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	75-125			
Calibration Blank (P0K1107-CCB2)				Prepared &	Analyzed:	11/11/20				
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	75-125			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	75-125			

Permian Basin Environmental Lab, L.P.

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

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

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

Batch P0K1107 - General Preparation (C	iC)					
Calibration Blank (P0K1107-CCB3)				Prepared & Anal	yzed: 11/11/20	
Benzene	0.00		mg/kg wet			
bluene	0.00		"			
hylbenzene	0.00		"			
ylene (p/m)	0.00		"			
ylene (o)	0.00		"			
rrogate: 4-Bromofluorobenzene	0.128		"	0.120	107	75-125
rrogate: 1,4-Difluorobenzene	0.121		"	0.120	100	75-125
libration Check (P0K1107-CCV1)				Prepared & Anal	yzed: 11/11/20	
enzene	0.0883	0.00100	mg/kg wet	0.100	88.3	80-120
oluene	0.0805	0.00100	"	0.100	80.5	80-120
thylbenzene	0.0931	0.00100	"	0.100	93.1	80-120
ylene (p/m)	0.168	0.00200	"	0.200	83.9	80-120
ylene (o)	0.0927	0.00100	"	0.100	92.7	80-120
rrogate: 4-Bromofluorobenzene	0.132		"	0.120	110	75-125
rrogate: 1,4-Difluorobenzene	0.132		"	0.120	110	75-125
alibration Check (P0K1107-CCV2)				Prepared & Anal	yzed: 11/11/20	
enzene	0.0906	0.00100	mg/kg wet	0.100	90.6	80-120
bluene	0.0818	0.00100	"	0.100	81.8	80-120
hylbenzene	0.0933	0.00100	"	0.100	93.3	80-120
vlene (p/m)	0.169	0.00200	"	0.200	84.6	80-120
ylene (o)	0.0951	0.00100	"	0.100	95.1	80-120
urrogate: 4-Bromofluorobenzene	0.134		"	0.120	111	75-125
rrogate: 1,4-Difluorobenzene	0.130		"	0.120	109	75-125
alibration Check (P0K1107-CCV3)				Prepared & Anal	yzed: 11/11/20	
enzene	0.0933	0.00100	mg/kg wet	0.100	93.3	80-120
bluene	0.0830	0.00100	"	0.100	83.0	80-120
hylbenzene	0.0969	0.00100	"	0.100	96.9	80-120
ylene (p/m)	0.176	0.00200	"	0.200	87.8	80-120
ylene (o)	0.101	0.00100	"	0.100	101	80-120
rrogate: 4-Bromofluorobenzene	0.139		"	0.120	116	75-125
urrogate: 1,4-Difluorobenzene	0.128		"	0.120	107	75-125

Permian Basin Environmental Lab, L.P.

0.134

0.127

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Sylwia Reynolds

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

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

Batch P0K1107 - General Preparation (	GC	)
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Surrogate: 4-Bromofluorobenzene

Surrogate: 1,4-Difluorobenzene

Matrix Spike (P0K1107-MS1)	Sour	ce: 0K09003	3-58	Prepared &	Analyzed:	11/11/20				
Benzene	0.0791	0.00100	mg/kg dry	0.100	ND	79.1	80-120			QM-07
Toluene	0.0732	0.00100	"	0.100	ND	73.2	80-120			QM-07
Ethylbenzene	0.0925	0.00100	"	0.100	ND	92.5	80-120			
Xylene (p/m)	0.142	0.00200	"	0.200	ND	71.0	80-120			QM-07
Xylene (o)	0.0750	0.00100	"	0.100	ND	75.0	80-120			QM-07
Surrogate: 4-Bromofluorobenzene	0.128		"	0.120		107	75-125			
Surrogate: 1,4-Difluorobenzene	0.124		"	0.120		103	75-125			
Matrix Spike Dup (P0K1107-MSD1)	Sour	ce: 0K09003	3-58	Prepared &	Analyzed:	11/11/20				
Benzene	0.0795	0.00100	mg/kg dry	0.100	ND	79.5	80-120	0.454	20	QM-07
Toluene	0.0725	0.00100	"	0.100	ND	72.5	80-120	1.03	20	QM-07
Ethylbenzene	0.0892	0.00100	"	0.100	ND	89.2	80-120	3.68	20	
Xylene (p/m)	0.144	0.00200	"	0.200	ND	71.9	80-120	1.28	20	QM-07
Xylene (o)	0.0684	0.00100	"	0.100	ND	68.4	80-120	9.22	20	QM-07

0.120

0.120

112

106

75-125

75-125

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Sylwia Reynolds

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0K1007 - *** DEFAULT PREP ***										
Blank (P0K1007-BLK1)				Prepared &	: Analyzed:	11/10/20				
% Moisture	ND	0.1	%							
Blank (P0K1007-BLK2)				Prepared &	Analyzed:	11/10/20				
% Moisture	ND	0.1	%							
Blank (P0K1007-BLK3)				Prepared &	: Analyzed:	11/10/20				
% Moisture	ND	0.1	%							
Blank (P0K1007-BLK4)				Prepared &	: Analyzed:	11/10/20				
% Moisture	ND	0.1	%							
Blank (P0K1007-BLK5)				Prepared &	: Analyzed:	11/10/20				
% Moisture	ND	0.1	%							
Blank (P0K1007-BLK6)				Prepared &	: Analyzed:	11/10/20				
% Moisture	ND	0.1	%							
Blank (P0K1007-BLK7)				Prepared &	: Analyzed:	11/10/20				
% Moisture	ND	0.1	%		-					
Duplicate (P0K1007-DUP1)	Sou	rce: 0K09001-	10	Prepared &	: Analyzed:	11/10/20				
% Moisture	14.0	0.1	%	<del>-</del>	14.0			0.00	20	
Duplicate (P0K1007-DUP2)	Sou	rce: 0K09002-	16	Prepared &	: Analyzed:	11/10/20				
% Moisture	4.0	0.1	%		3.0			28.6	20	R
Duplicate (P0K1007-DUP3)	Sou	rce: 0K09002-	26	Prepared &	: Analyzed:	11/10/20				
% Moisture	3.0	0.1	%	*	3.0			0.00	20	

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0K1007 - *** DEFAULT PREP ***										
Duplicate (P0K1007-DUP4)	Sou	rce: 0K09002-	41	Prepared &	: Analyzed:	11/10/20				
% Moisture	9.0	0.1	%		7.0			25.0	20	R3
Duplicate (P0K1007-DUP5)	Sou	rce: 0K09002-	51	Prepared &	: Analyzed:	11/10/20				
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P0K1007-DUP6)	Sou	rce: 0K09002-	-66	Prepared &	: Analyzed:	11/10/20				
% Moisture	8.0	0.1	%		9.0			11.8	20	
Duplicate (P0K1007-DUP7)	Sou	rce: 0K09003-	04	Prepared &	: Analyzed:	11/10/20				
% Moisture	1.0	0.1	%	-	1.0			0.00	20	
Duplicate (P0K1007-DUP8)	Sou	rce: 0K09003-	19	Prepared &	: Analyzed:	11/10/20				
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P0K1007-DUP9)	Sou	rce: 0K09003-	29	Prepared &	: Analyzed:	11/10/20				
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P0K1007-DUPA)	Sou	rce: 0K09003-	44	Prepared &	: Analyzed:	11/10/20				
% Moisture	ND	0.1	%	•	1.0			200	20	R3
Duplicate (P0K1007-DUPB)	Sou	rce: 0K09003-	54	Prepared &	: Analyzed:	11/10/20				
% Moisture	1.0	0.1	%	•	1.0			0.00	20	
Duplicate (P0K1007-DUPC)	Sou	rce: 0K09003-	69	Prepared &	: Analyzed:	11/10/20				
% Moisture	1.0	0.1	%	-	1.0			0.00	20	
Duplicate (P0K1007-DUPD)	Sou	rce: 0K09007-	.09	Prepared &	: Analyzed:	11/10/20				
% Moisture	16.0	0.1	%		16.0			0.00	20	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0K1101 - *** DEFAULT PREP ***										
LCS (P0K1101-BS1)				Prepared:	11/11/20 Aı	nalyzed: 11	/12/20			
Chloride	433	1.00	mg/kg wet	400		108	80-120			
LCS Dup (P0K1101-BSD1)				Prepared:	11/11/20 Aı	nalyzed: 11	/12/20			
Chloride	436	1.00	mg/kg wet	400		109	80-120	0.840	20	
Calibration Check (P0K1101-CCV1)				Prepared:	11/11/20 Aı	nalyzed: 11	/12/20			
Chloride	22.0		mg/kg	20.0		110	0-200			
Calibration Check (P0K1101-CCV2)				Prepared:	11/11/20 Aı	nalyzed: 11	/12/20			
Chloride	22.1		mg/kg	20.0		111	0-200			
Calibration Check (P0K1101-CCV3)				Prepared:	11/11/20 Aı	nalyzed: 11	/13/20			
Chloride	22.6		mg/kg	20.0		113	0-200			
Matrix Spike (P0K1101-MS1)	Sour	ce: 0K09002	2-69	Prepared:	11/11/20 Aı	nalyzed: 11	/12/20			
Chloride	645	1.03	mg/kg dry	515	52.1	115	80-120			
Matrix Spike (P0K1101-MS2)	Sour	ce: 0K09003	3-49	Prepared:	11/11/20 Aı	nalyzed: 11	/12/20			
Chloride	535	1.02	mg/kg dry	510	8.69	103	80-120			
Matrix Spike Dup (P0K1101-MSD1)	Sour	ce: 0K09002	2-69	Prepared:	11/11/20 Aı	nalyzed: 11	/12/20			
Chloride	609	1.03	mg/kg dry	515	52.1	108	80-120	5.84	20	
Matrix Spike Dup (P0K1101-MSD2)	Sour	ce: 0K09003	3-49	Prepared:	11/11/20 Aı	nalyzed: 11	/12/20			
Chloride	543	1.02	mg/kg dry	510	8.69	105	80-120	1.60	20	
Batch P0K1102 - *** DEFAULT PREP ***										
Blank (P0K1102-BLK1)				Prepared:	11/11/20 Aı	nalyzed: 11	/13/20			
Chloride	ND	1.00	mg/kg wet							

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

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		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0K1102 - *** DEFAULT PREP ***										
LCS (P0K1102-BS1)				Prepared:	11/11/20 A	nalyzed: 11	/13/20			
Chloride	443	1.00	mg/kg wet	400		111	80-120			
LCS Dup (P0K1102-BSD1)				Prepared:	11/11/20 A	nalyzed: 11	/13/20			
Chloride	447	1.00	mg/kg wet	400		112	80-120	0.899	20	
Calibration Check (P0K1102-CCV1)				Prepared:	11/11/20 A	nalyzed: 11	/13/20			
Chloride	22.6	·	mg/kg	20.0		113	0-200	·		
Calibration Check (P0K1102-CCV2)				Prepared:	11/11/20 A	nalyzed: 11	/13/20			
Chloride	22.1		mg/kg	20.0		111	0-200			
Calibration Check (P0K1102-CCV3)				Prepared:	11/11/20 A	nalyzed: 11	/13/20			
Chloride	22.4	·	mg/kg	20.0		112	0-200	·		
Matrix Spike (P0K1102-MS1)	Sour	ce: 0K09003	3-59	Prepared:	11/11/20 A	nalyzed: 11	/13/20			
Chloride	522	1.01	mg/kg dry	505	8.38	102	80-120			
Matrix Spike (P0K1102-MS2)	Sour	rce: 0K09003	3-69	Prepared:	11/11/20 A	nalyzed: 11	/13/20			
Chloride	520	1.01	mg/kg dry	505	5.18	102	80-120			
Matrix Spike Dup (P0K1102-MSD1)	Sour	rce: 0K09003	3-59	Prepared:	11/11/20 A	nalyzed: 11	/13/20			
Chloride	558	1.01	mg/kg dry	505	8.38	109	80-120	6.71	20	
Matrix Spike Dup (P0K1102-MSD2)	Source: 0K09003-69 P				11/11/20 A	nalyzed: 11	/13/20			
Chloride	547	1.01	mg/kg dry	505	5.18	107	80-120	5.03	20	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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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
-	Result	Limit	Omes	LCVCI	resuit	/UNEC	Limits	MD	Finit	110105
Batch P0K1011 - TX 1005										
Blank (P0K1011-BLK1)				Prepared &	Analyzed:	11/10/20				
C6-C12	ND	25.0	mg/kg wet			·			·	
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	83.3		"	100		83.3	70-130			
Surrogate: o-Terphenyl	46.8		"	50.0		93.6	70-130			
LCS (P0K1011-BS1)				Prepared &	Analyzed:	11/10/20				
C6-C12	871	25.0	mg/kg wet	1000		87.1	75-125			
>C12-C28	1100	25.0	"	1000		110	75-125			
Surrogate: 1-Chlorooctane	109		"	100		109	70-130			
Surrogate: o-Terphenyl	48.9		"	50.0		97.8	70-130			
LCS Dup (P0K1011-BSD1)				Prepared &	Analyzed:	11/10/20				
C6-C12	822	25.0	mg/kg wet	1000		82.2	75-125	5.77	20	
>C12-C28	1020	25.0	"	1000		102	75-125	7.03	20	
Surrogate: 1-Chlorooctane	101		"	100		101	70-130			
Surrogate: o-Terphenyl	46.0		"	50.0		92.1	70-130			
Calibration Check (P0K1011-CCV1)				Prepared &	z Analyzed:	11/10/20				
C6-C12	446	25.0	mg/kg wet	500		89.1	85-115			
>C12-C28	505	25.0	"	500		101	85-115			
Surrogate: 1-Chlorooctane	92.0		"	100		92.0	70-130			
Surrogate: o-Terphenyl	45.5		"	50.0		91.1	70-130			
Calibration Check (P0K1011-CCV2)				Prepared &	Analyzed:	11/10/20				
C6-C12	482	25.0	mg/kg wet	500		96.4	85-115			
>C12-C28	552	25.0	"	500		110	85-115			
Surrogate: 1-Chlorooctane	99.8		"	100		99.8	70-130			
Surrogate: o-Terphenyl	48.0		"	50.0		96.0	70-130			

Permian Basin Environmental Lab, L.P.

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0K1011 - TX 1005										
Calibration Check (P0K1011-CCV3)				Prepared &	Analyzed:	11/10/20				
C6-C12	443	25.0	mg/kg wet	500		88.7	85-115			
>C12-C28	505	25.0	"	500		101	85-115			
Surrogate: 1-Chlorooctane	90.6		"	100		90.6	70-130			
Surrogate: o-Terphenyl	44.4		"	50.0		88.8	70-130			
Matrix Spike (P0K1011-MS1)	Sou	rce: 0K09003	3-70	Prepared &	Analyzed:	11/10/20				
C6-C12	996	25.3	mg/kg dry	1010	ND	98.6	75-125			
>C12-C28	1220	25.3	"	1010	ND	121	75-125			
Surrogate: 1-Chlorooctane	95.6		"	101		94.7	70-130			
Surrogate: o-Terphenyl	53.8		"	50.5		107	70-130			
Matrix Spike Dup (P0K1011-MSD1)	Sou	rce: 0K09003	3-70	Prepared &	Analyzed:	11/10/20				
C6-C12	934	25.3	mg/kg dry	1010	ND	92.5	75-125	6.39	20	
>C12-C28	1160	25.3	"	1010	ND	115	75-125	4.99	20	
Surrogate: 1-Chlorooctane	115		"	101		114	70-130			
Surrogate: o-Terphenyl	55.2		"	50.5		109	70-130			
Batch P0K1014 - TX 1005										
Blank (P0K1014-BLK1)				Prepared:	11/10/20 Aı	nalyzed: 11	/11/20			
C6-C12	ND	25.0	mg/kg wet	-						
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	110		"	100		110	70-130			
Surrogate: o-Terphenyl	55.3		"	50.0		111	70-130			
LCS (P0K1014-BS1)				Prepared:	11/10/20 Aı	nalyzed: 11	/11/20			
C6-C12	913	25.0	mg/kg wet	1000		91.3	75-125			
>C12-C28	1090	25.0	"	1000		109	75-125			
Surrogate: 1-Chlorooctane	119		"	100		119	70-130			
Surrogate: o-Terphenyl	53.9		"	50.0		108	70-130			

Permian Basin Environmental Lab, L.P.

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0K1014 - TX 1005										
LCS Dup (P0K1014-BSD1)				Prepared: 1	11/10/20 A	nalyzed: 11	/11/20			
C6-C12	927	25.0	mg/kg wet	1000		92.7	75-125	1.55	20	
>C12-C28	1100	25.0	"	1000		110	75-125	0.919	20	
Surrogate: 1-Chlorooctane	121		"	100		121	70-130			
Surrogate: o-Terphenyl	55.9		"	50.0		112	70-130			
Calibration Check (P0K1014-CCV1)				Prepared: 1	11/10/20 A	nalyzed: 11	/11/20			
C6-C12	474	25.0	mg/kg wet	500		94.9	85-115			
>C12-C28	512	25.0	"	500		102	85-115			
Surrogate: 1-Chlorooctane	108		"	100		108	70-130			
Surrogate: o-Terphenyl	52.5		"	50.0		105	70-130			
Calibration Check (P0K1014-CCV2)				Prepared: 1	11/10/20 A	nalyzed: 11	/11/20			
C6-C12	488	25.0	mg/kg wet	500		97.7	85-115			
>C12-C28	516	25.0	"	500		103	85-115			
Surrogate: 1-Chlorooctane	108		"	100		108	70-130			
Surrogate: o-Terphenyl	52.8		"	50.0		106	70-130			
Calibration Check (P0K1014-CCV3)				Prepared: 1	11/10/20 A	nalyzed: 11	/11/20			
C6-C12	506	25.0	mg/kg wet	500		101	85-115			
>C12-C28	529	25.0	"	500		106	85-115			
Surrogate: 1-Chlorooctane	114		"	100		114	70-130			
Surrogate: o-Terphenyl	54.5		"	50.0		109	70-130			
Matrix Spike (P0K1014-MS1)	Sou	rce: 0K09002	2-72	Prepared: 1	11/10/20 A	nalyzed: 11	/11/20			
C6-C12	1040	25.3	mg/kg dry	1010	ND	103	75-125			
>C12-C28	1220	25.3	"	1010	28.1	118	75-125			
Surrogate: 1-Chlorooctane	117		"	101		116	70-130			
Surrogate: o-Terphenyl	58.4		"	50.5		116	70-130			

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0K1014 - TX 1005										
Matrix Spike Dup (P0K1014-MSD1)	Sour	ce: 0K09002	2-72	Prepared: 1	11/10/20 Aı	nalyzed: 11	/11/20			
C6-C12	1030	25.3	mg/kg dry	1010	ND	102	75-125	0.574	20	
>C12-C28	1230	25.3	"	1010	28.1	119	75-125	0.836	20	
Surrogate: 1-Chlorooctane	116		"	101		115	70-130			
Surrogate: o-Terphenyl	58.5		"	50.5		116	70-130			
Batch P0K1015 - TX 1005										
Blank (P0K1015-BLK1)				Prepared: 1	11/10/20 Aı	nalyzed: 11	/11/20			
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	93.0		"	100		93.0	70-130			
Surrogate: o-Terphenyl	52.5		"	50.0		105	70-130			
LCS (P0K1015-BS1)				Prepared: 1	11/10/20 Aı	nalyzed: 11	/11/20			
C6-C12	841	25.0	mg/kg wet	1000		84.1	75-125			
>C12-C28	1060	25.0	"	1000		106	75-125			
Surrogate: 1-Chlorooctane	107		"	100		107	70-130			
Surrogate: o-Terphenyl	50.0		"	50.0		100	70-130			
LCS Dup (P0K1015-BSD1)				Prepared: 1	11/10/20 A1	nalyzed: 11	/11/20			
C6-C12	835	25.0	mg/kg wet	1000		83.5	75-125	0.641	20	
>C12-C28	1040	25.0	"	1000		104	75-125	1.80	20	
Surrogate: 1-Chlorooctane	107		"	100		107	70-130			
Surrogate: o-Terphenyl	49.7		"	50.0		99.3	70-130			
Calibration Check (P0K1015-CCV1)				Prepared: 1	11/10/20 A1	nalyzed: 11	/11/20			
C6-C12	436	25.0	mg/kg wet	500		87.2	85-115			
>C12-C28	484	25.0	"	500		96.9	85-115			
Surrogate: 1-Chlorooctane	91.4		"	100		91.4	70-130			
Surrogate: o-Terphenyl	46.8		"	50.0		93.5	70-130			

Permian Basin Environmental Lab, L.P.

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0K1015 - TX 1005										
Calibration Check (P0K1015-CCV2)				Prepared:	11/10/20 A	nalyzed: 11	/11/20			
C6-C12	494	25.0	mg/kg wet	500		98.7	85-115			
>C12-C28	528	25.0	"	500		106	85-115			
Surrogate: 1-Chlorooctane	102		"	100		102	70-130			
Surrogate: o-Terphenyl	51.8		"	50.0		104	70-130			
Matrix Spike (P0K1015-MS1)	Sou	rce: 0K09003	3-20	Prepared:	11/10/20 A	nalyzed: 11	/11/20			
C6-C12	940	25.8	mg/kg dry	1030	14.7	89.7	75-125			
>C12-C28	1260	25.8	"	1030	404	83.4	75-125			
Surrogate: 1-Chlorooctane	114		"	103		110	70-130			
Surrogate: o-Terphenyl	54.9		"	51.5		106	70-130			
Matrix Spike Dup (P0K1015-MSD1)	Sou	rce: 0K09003	3-20	Prepared:	11/10/20 A	nalyzed: 11	/11/20			
C6-C12	900	25.8	mg/kg dry	1030	14.7	85.9	75-125	4.37	20	
>C12-C28	1260	25.8	"	1030	404	83.1	75-125	0.379	20	
Surrogate: 1-Chlorooctane	109		"	103		106	70-130			
Surrogate: o-Terphenyl	52.5		"	51.5		102	70-130			
Batch P0K1016 - TX 1005										
Blank (P0K1016-BLK1)				Prepared:	11/10/20 A	nalyzed: 11	/11/20			
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	89.1		"	100		89.1	70-130			
Surrogate: o-Terphenyl	50.5		"	50.0		101	70-130			
LCS (P0K1016-BS1)				Prepared:	11/10/20 A	nalyzed: 11	/11/20			
C6-C12	966	25.0	mg/kg wet	1000	<u></u>	96.6	75-125	<u></u>		
>C12-C28	1160	25.0	"	1000		116	75-125			
Surrogate: 1-Chlorooctane	119		"	100		119	70-130			
Surrogate: o-Terphenyl	57.4		"	50.0		115	70-130			

Permian Basin Environmental Lab, L.P.

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

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0K1016 - TX 1005										
LCS Dup (P0K1016-BSD1)				Prepared: 1	11/10/20 A	nalyzed: 11	/11/20			
C6-C12	891	25.0	mg/kg wet	1000		89.1	75-125	8.13	20	
>C12-C28	1070	25.0	"	1000		107	75-125	7.59	20	
Surrogate: 1-Chlorooctane	113		"	100		113	70-130			
Surrogate: o-Terphenyl	53.6		"	50.0		107	70-130			
Calibration Check (P0K1016-CCV1)				Prepared: 1	11/10/20 A	nalyzed: 11	/11/20			
C6-C12	454	25.0	mg/kg wet	500		90.8	85-115			
>C12-C28	475	25.0	"	500		95.0	85-115			
Surrogate: 1-Chlorooctane	94.4		"	100		94.4	70-130			
Surrogate: o-Terphenyl	47.6		"	50.0		95.1	70-130			
Calibration Check (P0K1016-CCV2)				Prepared: 1	11/10/20 A	nalyzed: 11	/12/20			
C6-C12	504	25.0	mg/kg wet	500		101	85-115			
>C12-C28	554	25.0	"	500		111	85-115			
Surrogate: 1-Chlorooctane	102		"	100		102	70-130			
Surrogate: o-Terphenyl	53.7		"	50.0		107	70-130			
Calibration Check (P0K1016-CCV3)				Prepared: 1	11/10/20 A	nalyzed: 11	/12/20			
C6-C12	511	25.0	mg/kg wet	500		102	85-115	<u> </u>		<u> </u>
>C12-C28	561	25.0	"	500		112	85-115			
Surrogate: 1-Chlorooctane	105		"	100		105	70-130			
Surrogate: o-Terphenyl	53.2		"	50.0		106	70-130			
Matrix Spike (P0K1016-MS1)	Sou	rce: 0K09003	3-40	Prepared: 1	11/10/20 A	nalyzed: 11	/12/20			
C6-C12	996	25.3	mg/kg dry	1010	17.4	96.9	75-125			
>C12-C28	1250	25.3	"	1010	255	98.7	75-125			
Surrogate: 1-Chlorooctane	90.1		"	101		89.2	70-130			
Surrogate: o-Terphenyl	58.8		"	50.5		116	70-130			

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0K1016 - TX 1005										
Matrix Spike Dup (P0K1016-MSD1)	Sou	rce: 0K09003	3-40	Prepared: 1	11/10/20 Aı	nalyzed: 11	/12/20			
C6-C12	964	25.3	mg/kg dry	1010	17.4	93.7	75-125	3.34	20	
>C12-C28	1240	25.3	"	1010	255	97.9	75-125	0.809	20	
Surrogate: 1-Chlorooctane	114		"	101		113	70-130			
Surrogate: o-Terphenyl	54.4		"	50.5		108	70-130			
Batch P0K1017 - TX 1005										
Blank (P0K1017-BLK1)				Prepared: 1	11/10/20 Aı	nalyzed: 11	/12/20			
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	112		"	100		112	70-130			
Surrogate: o-Terphenyl	56.8		"	50.0		114	70-130			
LCS (P0K1017-BS1)				Prepared: 1	11/10/20 Aı	nalyzed: 11	/12/20			
C6-C12	941	25.0	mg/kg wet	1000		94.1	75-125			
>C12-C28	1120	25.0	"	1000		112	75-125			
Surrogate: 1-Chlorooctane	122		"	100		122	70-130			
Surrogate: o-Terphenyl	56.0		"	50.0		112	70-130			
LCS Dup (P0K1017-BSD1)				Prepared: 1	11/10/20 Aı	nalyzed: 11	/12/20			
C6-C12	917	25.0	mg/kg wet	1000		91.7	75-125	2.55	20	
>C12-C28	1090	25.0	"	1000		109	75-125	2.40	20	
Surrogate: 1-Chlorooctane	120		"	100		120	70-130			
Surrogate: o-Terphenyl	56.7		"	50.0		113	70-130			
Calibration Check (P0K1017-CCV1)				Prepared: 1	11/10/20 Aı	nalyzed: 11	/12/20			
C6-C12	491	25.0	mg/kg wet	500		98.2	85-115			
>C12-C28	517	25.0	"	500		103	85-115			
Surrogate: 1-Chlorooctane	112		"	100		112	70-130			
Surrogate: o-Terphenyl	53.2		"	50.0		106	70-130			

Permian Basin Environmental Lab, L.P.

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12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0K1017 - TX 1005										
Calibration Check (P0K1017-CCV2)				Prepared: 1	11/10/20 A	nalyzed: 11	/12/20			
C6-C12	494	25.0	mg/kg wet	500		98.7	85-115			
>C12-C28	531	25.0	"	500		106	85-115			
Surrogate: 1-Chlorooctane	112		"	100		112	70-130			
Surrogate: o-Terphenyl	54.5		"	50.0		109	70-130			
Calibration Check (P0K1017-CCV3)				Prepared: 1	11/10/20 A	nalyzed: 11	/12/20			
C6-C12	453	25.0	mg/kg wet	500		90.6	85-115			
>C12-C28	479	25.0	"	500		95.8	85-115			
Surrogate: 1-Chlorooctane	104		"	100		104	70-130			
Surrogate: o-Terphenyl	48.8		"	50.0		97.6	70-130			
Matrix Spike (P0K1017-MS1)	Sou	rce: 0K09003	3-60	Prepared: 1	11/10/20 A	nalyzed: 11	/12/20			
C6-C12	1010	25.3	mg/kg dry	1010	19.2	98.4	75-125			
>C12-C28	1150	25.3	"	1010	66.1	108	75-125			
Surrogate: 1-Chlorooctane	123		"	101		122	70-130			
Surrogate: o-Terphenyl	58.4		"	50.5		116	70-130			
Matrix Spike Dup (P0K1017-MSD1)	Sou	rce: 0K09003	3-60	Prepared: 1	11/10/20 A	nalyzed: 11	/12/20			
C6-C12	1030	25.3	mg/kg dry	1010	19.2	99.8	75-125	1.43	20	
>C12-C28	1170	25.3	"	1010	66.1	109	75-125	1.62	20	
Surrogate: 1-Chlorooctane	126		"	101		125	70-130			
Surrogate: o-Terphenyl	59.5		"	50.5		118	70-130			

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Sylwia Reynolds

#### **Notes and Definitions**

S-GC1 Surrogate recovery outside of control limits. A second analysis confirmed the original results..

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-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

BULK Samples received in Bulk soil containers

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

	Bren	Darron		
Report Approved By:			Date:	11/13/2020

Brent Barron, Laboratory Director/Technical Director

Permian Basin Environmental Lab, L.P.

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Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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Permian Basin Environmental Lab, L.P.

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

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			18		F		+	+	+-	<del> </del>		ļ	<u> </u>		None 1L Poly NaOH/ZnAc	- Eg	@deanequip.com	sylwiareynolds@deandigs.com		1			1	a ,
	$\mathcal{L}_{\mathcal{L}}^{Date}$	Date	6/20	<b>{</b>	-		+	+-	+	╁			<del> </del>	┝	DW=Drinking Water SL=Sludge	H	Ħ	Ĕ	ł	ı	j	ł	İ	5
			6												GW = Groundwater S=Soil/Soild	Matrix			₽ Pe	S.				
	8			1											NP=Non-Potable Specify Other	₹		<u>a</u>	pon	SR.	טר		<b>7</b>	*
		Time	60°	1				$oldsymbol{\mathbb{I}}$							TPH TX1005 EXT (TEXAS)			elizabethstuart@deandigs.com algroves@paalp.com	Report Format:	WORK ORDER #:	Project Loc: Eddy Co, NM	P	Project Name: Artesia Gathering	
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0	Temperature Upon Receipt: Received: *C F	nple Hand Delivered by Sampler/Client Rep. ? by Courier? UPS I	Labels on container(s) Custody seals on container(s) Custody seals on cooler(s)	Sample Containers Intact? VOCs Free of Headspace?	Laboratory Comments:	4			-						TCLP METALS		_	con con	Standard	SRS: Artesia Gathering	y Cc	PP-2075	Sia	<b>.</b>
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Page 100 of 101

pecial Instructions: Received by Relinquished by Page 517 of 690 Relinquished ORDER #: (lab use only) -AB # (lab use only) Sampler Signature: Telephone No: City/State/Zip: Company Address: Company Name Project Manager: South South South west N 25 West るが大 10.05 0K09003 32 36 Wall 30 30 30 FIELD CODE 3  $\mathcal{E}$  $\mathcal{Z}$ Bax BIA P Ø B 9 Đ (8) مو Midland TX 79707 3) Sylwia Reynolds 3 CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST 2600 WCR 91 432-230-0920 11/6/20 ري م Joe Belloc 2 Dean S ħ 1600 Beginning Depth Time Time 3.5 3,2 حرج 3.5 Ending Depth Received by: Received by: 15/20 6 0 **Date Sampled** ģ Z 7 z تع ኒ ž 0920 0440 0750 2460 2360 021 1125 1155 000 Time Sampled Fax No: e-mail: Field Filtered Midland, Texas 79701 Permian Basin Environmental Lab, LP 1400 Rankin Hwy sylwiareynolds@deandigs.com Total #. of Containers kaylanlongee@deanequip.com effkindley@deandigs.com K X lce HNO<sub>3 250,ml Poly</sub> HCI H2SO4 NaOH Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> 11/6/ None 1L Poly Date NaOH/ZnAc 3 DW=Drinking Water SL=Sludge Report Format: WORK ORDER #: SRS: Artesia Gathering East Historical = Groundwater S=Soli/Solid Project Name: Artesia Gathering East algroves@paalp.com elizabethstuart@deandigs.com 1600 NP=Non-Potable Specify Other Project Loc: Eddy Co, NN Time TPH TX1005 EXT (TEXAS) Project #: PP-2075 F 8 ス BTEX 8021 B

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Sample Hand Delivered Custody seals on cooler(s) Labels on container(s)
Custody seals on container(s)

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Sample Containers Intact? VOCs Free of Headspace?

.aboratory Comments:

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Released to Imaging: 6/14/2021 3:03:51 PM

Phone: 432-686-7235

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TRRP

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PG.7 OF

Page 101 of 101

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



# Analytical Report

# **Prepared for:**

Sylwia Reynolds
Dean
12600 W County Rd 91
Midland, TX 79707

Project: Plains Artesia Gathering East

Project Number: PP-2075 Location: Eddy County, NM

Lab Order Number: 0K09003



NELAP/TCEQ # T104704516-17-8

Report Date: 11/18/20

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-1 @ 4'	0K09003-01	Soil	11/06/20 10:25	11-09-2020 08:12
BH-3 @ 4'	0K09003-02	Soil	11/06/20 10:20	11-09-2020 08:12
BH-9 @ 4'	0K09003-03	Soil	11/06/20 10:15	11-09-2020 08:12
BH-14 @ 4'	0K09003-04	Soil	11/05/20 10:00	11-09-2020 08:12
BH-15 @ 4'	0K09003-05	Soil	11/05/20 10:05	11-09-2020 08:12
BH-17B @ 3'	0K09003-06	Soil	11/05/20 09:25	11-09-2020 08:12
BH-20 @ 4'	0K09003-07	Soil	11/05/20 10:15	11-09-2020 08:12
BH-21 @ 4'	0K09003-08	Soil	11/05/20 10:10	11-09-2020 08:12
BH-26 @ 4'	0K09003-09	Soil	11/05/20 10:20	11-09-2020 08:12
BH-27 @ 4'	0K09003-10	Soil	11/05/20 10:25	11-09-2020 08:12
BH-32 @ 4'	0K09003-11	Soil	11/05/20 10:35	11-09-2020 08:12
BH-33 @ 4'	0K09003-12	Soil	11/05/20 10:30	11-09-2020 08:12
BH-37 @ 4'	0K09003-13	Soil	11/05/20 10:40	11-09-2020 08:12
BH-38 @ 4'	0K09003-14	Soil	11/05/20 10:45	11-09-2020 08:12
BH-39 @ 4'	0K09003-15	Soil	11/05/20 10:50	11-09-2020 08:12
BH-45 @ 4'	0K09003-16	Soil	11/05/20 10:55	11-09-2020 08:12
BH-46 @ 4'	0K09003-17	Soil	11/05/20 11:10	11-09-2020 08:12
BH-47 @ 4'	0K09003-18	Soil	11/05/20 11:05	11-09-2020 08:12
BH-48 @ 4'	0K09003-19	Soil	11/05/20 11:00	11-09-2020 08:12
BH-49 @ 4'	0K09003-20	Soil	11/05/20 11:25	11-09-2020 08:12
BH-50 @ 4'	0K09003-21	Soil	11/05/20 11:30	11-09-2020 08:12
BH-51 @ 4'	0K09003-22	Soil	11/05/20 11:40	11-09-2020 08:12
BH-52 @ 4'	0K09003-23	Soil	11/05/20 11:35	11-09-2020 08:12
BH-53 @ 4'	0K09003-24	Soil	11/06/20 09:15	11-09-2020 08:12
BH-54 @ 4'	0K09003-25	Soil	11/06/20 09:20	11-09-2020 08:12
BH-55 @ 4'	0K09003-26	Soil	11/06/20 09:45	11-09-2020 08:12
BH-56 @ 4'	0K09003-27	Soil	11/06/20 09:50	11-09-2020 08:12
BH-57 @ 4'	0K09003-28	Soil	11/06/20 09:55	11-09-2020 08:12
BH-58 @ 4'	0K09003-29	Soil	11/06/20 09:40	11-09-2020 08:12
BH-59 @ 4'	0K09003-30	Soil	11/05/20 09:10	11-09-2020 08:12
BH-60 @ 4'	0K09003-31	Soil	11/05/20 11:45	11-09-2020 08:12
BH-61 @ 4'	0K09003-32	Soil	11/06/20 10:00	11-09-2020 08:12
BH-62 @ 4'	0K09003-33	Soil	11/06/20 09:35	11-09-2020 08:12
BH-63 @ 4'	0K09003-34	Soil	11/06/20 09:05	11-09-2020 08:12

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-64 @ 4'	0K09003-35	Soil	11/05/20 11:20	11-09-2020 08:12
BH-65 @ 4'	0K09003-36	Soil	11/06/20 10:05	11-09-2020 08:12
BH-66 @ 4'	0K09003-37	Soil	11/06/20 09:30	11-09-2020 08:12
BH-67 @ 4'	0K09003-38	Soil	11/06/20 09:00	11-09-2020 08:12
BH-68 @ 4'	0K09003-39	Soil	11/05/20 11:50	11-09-2020 08:12
BH-69 @ 4'	0K09003-40	Soil	11/06/20 10:10	11-09-2020 08:12
BH-70 @ 4'	0K09003-41	Soil	11/06/20 09:25	11-09-2020 08:12
BH-81 @ 4'	0K09003-42	Soil	11/06/20 11:45	11-09-2020 08:12
BH-82 @ 3'	0K09003-43	Soil	11/05/20 09:00	11-09-2020 08:12
ВН-83 @ 3'	0K09003-44	Soil	11/05/20 09:05	11-09-2020 08:12
BH-84 @ 3'	0K09003-45	Soil	11/05/20 09:10	11-09-2020 08:12
BH-85 @ 3'	0K09003-46	Soil	11/05/20 09:15	11-09-2020 08:12
BH-86 @ 4'	0K09003-47	Soil	11/05/20 09:30	11-09-2020 08:12
BH-87 @ 4'	0K09003-48	Soil	11/05/20 09:35	11-09-2020 08:12
BH-88 @ 4'	0K09003-49	Soil	11/06/20 10:30	11-09-2020 08:12
BH-89 @ 4'	0K09003-50	Soil	11/06/20 10:35	11-09-2020 08:12
BH-90 @ 4'	0K09003-51	Soil	11/06/20 10:40	11-09-2020 08:12
BH-91 @ 4'	0K09003-52	Soil	11/06/20 10:45	11-09-2020 08:12
BH-92 @ 4'	0K09003-53	Soil	11/06/20 10:50	11-09-2020 08:12
BH-93 @ 4'	0K09003-54	Soil	11/06/20 11:40	11-09-2020 08:12
East SW B @ 3.5'	0K09003-55	Soil	11/06/20 11:00	11-09-2020 08:12
East SW D @ 3.5'	0K09003-56	Soil	11/06/20 10:55	11-09-2020 08:12
East SW 3 @ 3.5'	0K09003-57	Soil	11/06/20 11:05	11-09-2020 08:12
North SW B1A @ 2'	0K09003-58	Soil	11/06/20 11:10	11-09-2020 08:12
North SW B2A @ 2'	0K09003-59	Soil	11/06/20 11:15	11-09-2020 08:12
North SW C @ 2'	0K09003-60	Soil	11/06/20 11:50	11-09-2020 08:12
North Wall C @ 3.5'	0K09003-61	Soil	11/06/20 11:20	11-09-2020 08:12
South SW B @ 3.5'	0K09003-62	Soil	11/05/20 09:45	11-09-2020 08:12
South SW C @ 2'	0K09003-63	Soil	11/06/20 12:00	11-09-2020 08:12
South SW C @ 3.5'	0K09003-64	Soil	11/05/20 09:50	11-09-2020 08:12
South SW D @ 3.5'	0K09003-65	Soil	11/06/20 11:25	11-09-2020 08:12
West SW @ 2'	0K09003-66	Soil	11/06/20 11:30	11-09-2020 08:12
West SW B1A @ 1.5'	0K09003-67	Soil	11/05/20 09:20	11-09-2020 08:12
West SW B2A @ 2'	0K09003-68	Soil	11/05/20 09:40	11-09-2020 08:12

Permian Basin Environmental Lab, L.P.

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

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
West SW C @ 2'	0K09003-69	Soil	11/06/20 11:55	11-09-2020 08:12
West SW C @ 3.5'	0K09003-70	Soil	11/05/20 09:55	11-09-2020 08:12

Permian Basin Environmental Lab, L.P.

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

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-1 @ 4' 0K09003-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perm	ian Basin F	Environment	al Lab,	L.P.				
General Chemistry Parameters by EPA / State	ndard Methods	S							
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by E	PA Method 801	5M							
C6-C12	ND	25.5	mg/kg dry	1	P0K1014	11/10/20	11/11/20	TPH 8015M	
>C12-C28	26.9	25.5	mg/kg dry	1	P0K1014	11/10/20	11/11/20	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P0K1014	11/10/20	11/11/20	TPH 8015M	
Surrogate: 1-Chlorooctane		103 %	70-13	0	P0K1014	11/10/20	11/11/20	TPH 8015M	
Surrogate: o-Terphenyl		110 %	70-13	0	P0K1014	11/10/20	11/11/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	26.9	25.5	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-3 @ 4' 0K09003-02 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Methods	i						
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801	5M						
C6-C12	ND	25.3	mg/kg dry	1	P0K1014	11/10/20	11/11/20	TPH 8015M
>C12-C28	45.4	25.3	mg/kg dry	1	P0K1014	11/10/20	11/11/20	TPH 8015M
>C28-C35	37.2	25.3	mg/kg dry	1	P0K1014	11/10/20	11/11/20	TPH 8015M
Surrogate: 1-Chlorooctane		107 %	70-130		P0K1014	11/10/20	11/11/20	TPH 8015M
Surrogate: o-Terphenyl		114 %	70-130		P0K1014	11/10/20	11/11/20	TPH 8015M
Total Petroleum Hydrocarbon	82.6	25.3	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-9 @ 4' 0K09003-03 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Method	S						
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
<b>Total Petroleum Hydrocarbons C6-C3</b>	5 by EPA Method 801	15M						
C6-C12	ND	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C12-C28	381	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C28-C35	220	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: 1-Chlorooctane		90.8 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: o-Terphenyl		111 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	601	25.5	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-14 @ 4' 0K09003-04 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

General Chemistry Parameters by EP.	A / Standard Methods							
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801	5M						
C6-C12	ND	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C12-C28	585	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C28-C35	320	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: 1-Chlorooctane		91.8 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: o-Terphenyl		105 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	905	25.3	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-15 @ 4' 0K09003-05 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Method	s						
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801	15M						
C6-C12	ND	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C12-C28	29.0	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C28-C35	ND	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: 1-Chlorooctane		88.1 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: o-Terphenyl		97.5 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	29.0	25.3	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

# BH-17B @ 3' 0K09003-06 (Soil)

									1
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

General Chemistry Parameters by EPA/S	Standard Methods	S						
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by	y EPA Method 801	5M						
C6-C12	ND	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C12-C28	ND	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C28-C35	ND	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: 1-Chlorooctane		92.3 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: o-Terphenyl		108 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-20 @ 4' 0K09003-07 (Soil)

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

<b>General Chemistry Parameters by EP</b>	A / Standard Methods	S						
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801	15M						
C6-C12	ND	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C12-C28	40.7	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C28-C35	ND	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: 1-Chlorooctane		93.3 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: o-Terphenyl		106 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Total Petroleum Hydrocarbon	40.7	25.3	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-21 @ 4' 0K09003-08 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods										
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216		
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801:	5M								
C6-C12	ND	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M		
>C12-C28	226	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M		
>C28-C35	107	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M		
Surrogate: 1-Chlorooctane		92.6 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M		
Surrogate: o-Terphenyl		105 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M		
Total Petroleum Hydrocarbon C6-C35	332	25.3	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc		

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-26 @ 4' 0K09003-09 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	Petroleum Hydrocarbons C6-C35 by EPA Method 8015M 2 ND 25.0 mg/kg dry 1 P0K1015 11/10/20 11/11/20 TPH 8015M								
% Moisture	ND	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801	5M							
C6-C12	ND	25.0	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M	
>C12-C28	218	25.0	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M	
>C28-C35	120	25.0	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M	
Surrogate: 1-Chlorooctane		92.9 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M	
Surrogate: o-Terphenyl		107 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	338	25.0	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-27 @ 4' 0K09003-10 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Methods	S						
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801	5M						
C6-C12	ND	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C12-C28	252	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C28-C35	131	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: 1-Chlorooctane		97.3 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: o-Terphenyl		115 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	383	25.3	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Sylwia Reynolds

Fax:

# BH-32 @ 4' 0K09003-11 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Methods	5							
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
<b>Total Petroleum Hydrocarbons C6-C3</b>	5 by EPA Method 801	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M	
>C12-C28	698	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M	
>C28-C35	382	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M	
Surrogate: 1-Chlorooctane		97.5 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M	
Surrogate: o-Terphenyl		115 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	1080	25.3	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

BH-33 @ 4' 0K09003-12 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

General Chemistry Parameters by EPA	A / Standard Methods	1						
% Moisture	4.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
<b>Total Petroleum Hydrocarbons C6-C3</b>	5 by EPA Method 801	5M						
C6-C12	ND	26.0	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C12-C28	56.2	26.0	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C28-C35	36.8	26.0	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: 1-Chlorooctane		98.6 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: o-Terphenyl		118 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	93.0	26.0	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-37 @ 4' 0K09003-13 (Soil)

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

<b>General Chemistry Parameters by EPA</b>	A / Standard Method:	s						
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C3:	5 by EPA Method 801	15M						
C6-C12	ND	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C12-C28	272	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C28-C35	151	25.3	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: 1-Chlorooctane		96.6 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: o-Terphenyl		112 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Total Petroleum Hydrocarbon	422	25.3	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-38 @ 4' 0K09003-14 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EPA/S</b>	Standard Methods	1						
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
<b>Total Petroleum Hydrocarbons C6-C35 by</b>	y EPA Method 801	5M						
C6-C12	ND	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C12-C28	ND	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C28-C35	ND	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: 1-Chlorooctane		96.9 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: o-Terphenyl		115 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

esia Gathering East Fax:

# BH-39 @ 4' 0K09003-15 (Soil)

١										1
			Reporting							
	Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

General Chemistry Parameters by EP.	A / Standard Method	s						
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
<b>Total Petroleum Hydrocarbons C6-C3</b>	5 by EPA Method 80	15M						
C6-C12	ND	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C12-C28	33.6	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C28-C35	ND	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: 1-Chlorooctane		89.1 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: o-Terphenyl		112 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	33.6	25.5	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-45 @ 4' 0K09003-16 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Methods	1						
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801	5M						
C6-C12	ND	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C12-C28	219	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C28-C35	121	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: 1-Chlorooctane		90.8 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: o-Terphenyl		105 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	340	25.5	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-46 @ 4' 0K09003-17 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Methods	S						
% Moisture	3.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
<b>Total Petroleum Hydrocarbons C6-C3</b>	5 by EPA Method 801	5M						
C6-C12	ND	25.8	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C12-C28	449	25.8	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C28-C35	217	25.8	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: 1-Chlorooctane		91.9 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: o-Terphenyl		105 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	665	25.8	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-47 @ 4' 0K09003-18 (Soil)

١										1
			Reporting							
	Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

General Chemistry Parameters by EPA / S	Standard Methods	s						
% Moisture	3.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by	EPA Method 801	15M						
C6-C12	ND	25.8	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C12-C28	ND	25.8	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C28-C35	ND	25.8	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: 1-Chlorooctane		96.6 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: o-Terphenyl		114 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Sylwia Reynolds

# BH-48 @ 4' 0K09003-19 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Methods	1						
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
<b>Total Petroleum Hydrocarbons C6-C3</b>	5 by EPA Method 801	5M						
C6-C12	ND	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C12-C28	146	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C28-C35	88.1	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: 1-Chlorooctane		96.8 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: o-Terphenyl		115 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	234	25.5	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-49 @ 4' 0K09003-20 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Methods	3						
% Moisture	3.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
<b>Total Petroleum Hydrocarbons C6-C3</b>	5 by EPA Method 801	5M						
C6-C12	ND	25.8	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C12-C28	404	25.8	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C28-C35	319	25.8	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: 1-Chlorooctane		106 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: o-Terphenyl		123 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	723	25.8	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-50 @ 4' 0K09003-21 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

General Chemistry Parameters by EPA / S	tandard Methods							
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by	EPA Method 801	5M						
C6-C12	ND	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C12-C28	204	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
>C28-C35	113	25.5	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: 1-Chlorooctane		81.6 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Surrogate: o-Terphenyl		98.8 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	317	25.5	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

> BH-51 @ 4' 0K09003-22 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

General Chemistry Parameters by EPA / Standard Methods											
% Moisture	6.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216			
Total Petroleum Hydrocarbons C6-C35 by	EPA Method 801	5M									
C6-C12	ND	26.6	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M			
>C12-C28	ND	26.6	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M			
>C28-C35	ND	26.6	mg/kg dry	1	P0K1015	11/10/20	11/11/20	TPH 8015M			
Surrogate: 1-Chlorooctane		96.7 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M			
Surrogate: o-Terphenyl		116 %	70-130		P0K1015	11/10/20	11/11/20	TPH 8015M			
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc			

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-52 @ 4' 0K09003-23 (Soil)

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

General Chemistry Parameters by EPA	/ Standard Methods								
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 8015	M							
C6-C12	ND	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M	
>C12-C28	228	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M	
>C28-C35	171	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		116 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		142 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	399	25.5	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-53 @ 4' 0K09003-24 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

General Chemistry Parameters by EPA / Standard Methods												
% Moisture	4.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216				
Total Petroleum Hydrocarbons C6-C35 b	y EPA Method 801	5M										
C6-C12	ND	26.0	mg/kg dry	1	P0K1016	11/10/20	11/11/20	TPH 8015M				
>C12-C28	ND	26.0	mg/kg dry	1	P0K1016	11/10/20	11/11/20	TPH 8015M				
>C28-C35	ND	26.0	mg/kg dry	1	P0K1016	11/10/20	11/11/20	TPH 8015M				
Surrogate: 1-Chlorooctane		94.8 %	70-130		P0K1016	11/10/20	11/11/20	TPH 8015M				
Surrogate: o-Terphenyl		113 %	70-130		P0K1016	11/10/20	11/11/20	TPH 8015M				
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	11/10/20	11/11/20	calc				

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-54 @ 4' 0K09003-25 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Methods	5						
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
<b>Total Petroleum Hydrocarbons C6-C3</b>	5 by EPA Method 801	5M						
C6-C12	27.0	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C12-C28	348	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C28-C35	228	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: 1-Chlorooctane		97.1 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: o-Terphenyl		117 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	603	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-55 @ 4' 0K09003-26 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Methods	3						
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
<b>Total Petroleum Hydrocarbons C6-C3</b>	5 by EPA Method 801	5M						
C6-C12	ND	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C12-C28	37.4	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C28-C35	26.0	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: 1-Chlorooctane		91.1 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: o-Terphenyl		113 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Total Petroleum Hydrocarbon	63.3	25.5	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-56 @ 4' 0K09003-27 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

General Chemistry Parameters by EPA / St	tandard Methods							
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by	EPA Method 801	5M						
C6-C12	ND	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C12-C28	497	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C28-C35	262	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: 1-Chlorooctane		89.8 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: o-Terphenyl		111 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	759	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-57 @ 4' 0K09003-28 (Soil)

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

<b>General Chemistry Parameters by EP</b>	A / Standard Method:	s						
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
<b>Total Petroleum Hydrocarbons C6-C3</b>	5 by EPA Method 801	15M						
C6-C12	ND	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C12-C28	207	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C28-C35	127	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: 1-Chlorooctane		90.3 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: o-Terphenyl		109 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	334	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-58 @ 4' 0K09003-29 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Methods							
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
<b>Total Petroleum Hydrocarbons C6-C3</b>	5 by EPA Method 801	5M						
C6-C12	ND	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C12-C28	239	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C28-C35	153	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: 1-Chlorooctane		93.4 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: o-Terphenyl		114 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	392	25.5	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-59 @ 4' 0K09003-30 (Soil)

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

<b>General Chemistry Parameters by EP</b>	A / Standard Method	S						
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
<b>Total Petroleum Hydrocarbons C6-C3</b>	5 by EPA Method 80	15M						
C6-C12	ND	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C12-C28	59.5	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C28-C35	26.3	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: 1-Chlorooctane		82.9 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: o-Terphenyl		99.3 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	85.8	25.5	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-60 @ 4' 0K09003-31 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EPA / S</b>	Standard Method	S						
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
<b>Total Petroleum Hydrocarbons C6-C35 by</b>	EPA Method 80	15M						
C6-C12	ND	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C12-C28	ND	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C28-C35	ND	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: 1-Chlorooctane		98.0 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: o-Terphenyl		115 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-61 @ 4' 0K09003-32 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

General Chemistry Parameters by EPA/S	Standard Methods							
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by	EPA Method 801	5M						
C6-C12	ND	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C12-C28	135	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C28-C35	80.6	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: 1-Chlorooctane		99.7 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: o-Terphenyl		117 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	215	25.5	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-62 @ 4' 0K09003-33 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Methods	}						
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
<b>Total Petroleum Hydrocarbons C6-C3</b>	5 by EPA Method 801	5M						
C6-C12	ND	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C12-C28	225	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C28-C35	141	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: 1-Chlorooctane		101 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: o-Terphenyl		120 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	365	25.5	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-63 @ 4' 0K09003-34 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

General Chemistry Parameters by EP.	A / Standard Method	s						
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801	15M						
C6-C12	ND	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C12-C28	73.7	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C28-C35	25.7	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: 1-Chlorooctane		98.3 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: o-Terphenyl		119 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	99.4	25.5	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-64 @ 4' 0K09003-35 (Soil)

									1
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EPA / S</b>	Standard Methods	s						
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
<b>Total Petroleum Hydrocarbons C6-C35 by</b>	EPA Method 801	15M						
C6-C12	ND	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C12-C28	ND	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C28-C35	ND	25.5	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: 1-Chlorooctane		95.2 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: o-Terphenyl		113 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-65 @ 4' 0K09003-36 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Methods	s						
% Moisture	3.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
<b>Total Petroleum Hydrocarbons C6-C3</b>	5 by EPA Method 801	15M						
C6-C12	ND	25.8	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C12-C28	48.9	25.8	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C28-C35	ND	25.8	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: 1-Chlorooctane		95.6 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: o-Terphenyl		114 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	48.9	25.8	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-66 @ 4' 0K09003-37 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EPA/S</b>	Standard Methods	s						
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by	EPA Method 801	15M						
C6-C12	ND	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C12-C28	ND	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C28-C35	ND	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: 1-Chlorooctane		92.3 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: o-Terphenyl		113 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

> BH-67 @ 4' 0K09003-38 (Soil)

		Reporting							- 1
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EPA/S</b>	Standard Methods							
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by	EPA Method 801	5M						
C6-C12	ND	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C12-C28	ND	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C28-C35	ND	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: 1-Chlorooctane		88.0 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: o-Terphenyl		105 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-68 @ 4' 0K09003-39 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Method	s						
% Moisture	3.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801	15M						
C6-C12	ND	25.8	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C12-C28	31.6	25.8	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C28-C35	ND	25.8	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: 1-Chlorooctane		87.4 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: o-Terphenyl		113 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	31.6	25.8	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-69 @ 4' 0K09003-40 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

General Chemistry Parameters by EPA / S	Standard Methods							
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by	EPA Method 801	5M						
C6-C12	ND	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C12-C28	255	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C28-C35	150	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: 1-Chlorooctane		98.7 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: o-Terphenyl		119 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	405	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

-2075

# BH-70 @ 4' 0K09003-41 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

General Chemistry Parameters by EPA / Standard Methods           % Moisture         1.0         0.1         %         1         P0K1007         11/10/20         11/10/20         ASTM D2216           Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M           C6-C12         ND         25.3         mg/kg dry         1         P0K1016         11/10/20         11/12/20         TPH 8015M           >C12-C28         ND         25.3         mg/kg dry         1         P0K1016         11/10/20         11/12/20         TPH 8015M           >C28-C35         ND         25.3         mg/kg dry         1         P0K1016         11/10/20         11/12/20         TPH 8015M           Surrogate: 1-Chlorooctane         88.1 %         70-130         P0K1016         11/10/20         11/12/20         TPH 8015M           Surrogate: o-Terphenyl         109 %         70-130         P0K1016         11/10/20         11/12/20         TPH 8015M           Total Potrology PM Hydrocarbon C6 C35         ND         25.3         mg/kg dry         1         ICALCI         11/10/20         11/12/20         TPH 8015M								
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
<b>Total Petroleum Hydrocarbons C6-C35 by</b>	EPA Method 801	15M						
C6-C12	ND	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C12-C28	ND	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C28-C35	ND	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: 1-Chlorooctane		88.1 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: o-Terphenyl		109 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-81 @ 4' 0K09003-42 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

General Chemistry Parameters by EPA / S	Standard Method:	s						
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by	EPA Method 801	15M						
C6-C12	ND	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C12-C28	ND	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
>C28-C35	ND	25.3	mg/kg dry	1	P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: 1-Chlorooctane		87.4 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Surrogate: o-Terphenyl		109 %	70-130		P0K1016	11/10/20	11/12/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-82 @ 3' 0K09003-43 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin F	Environmer	ıtal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	0.00317	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Toluene	0.00634	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Ethylbenzene	0.00783	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (p/m)	0.00401	0.00200	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		103 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EPA	/ Standard Method	ls							
Chloride	74.2	1.01	mg/kg dry	1	P0K1101	11/11/20	11/12/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		114 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		122 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	
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12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-83 @ 3' 0K09003-44 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
	Pern	mian Basin E	nvironmen	ıtal Lab, I	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	75-1.	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		103 %	75-1.	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EPA/	Standard Method	<u>ls</u>							
Chloride	5.21	1.01	mg/kg dry	1	P0K1101	11/11/20	11/12/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 b	oy EPA Method 80	)15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		115 %	70-1.	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		125 %	70-1.	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-84 @ 3' 0K09003-45 (Soil)

Analysis	Dle	Reporting	Units	Dilati.	Datah	D J	A la 1	Makad	Mad
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmer	ıtal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Ethylbenzene	0.00174	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		106 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		104 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EPA	/ Standard Method	ls							
Chloride	4.16	1.01	mg/kg dry	1	P0K1101	11/11/20	11/12/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		113 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		122 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-85 @ 3' 0K09003-46 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
	Pern	nian Basin E	nvironmen	ıtal Lab, I					
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		108 %	75-1.	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-1.	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EPA/	Standard Method	<u>ls</u>							
Chloride	6.38	1.01	mg/kg dry	1	P0K1101	11/11/20	11/12/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 b	by EPA Method 80	)15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		116 %	70-1.	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		124 %	70-1.	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

Fax:

# BH-86 @ 4' 0K09003-47 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmer	ıtal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	0.00225	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Toluene	0.0245	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Ethylbenzene	0.00904	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (p/m)	0.00301	0.00200	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		108 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
General Chemistry Parameters by I	EPA / Standard Method	ls							
Chloride	3.54	1.01	mg/kg dry	1	P0K1101	11/11/20	11/12/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-0	C35 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C12-C28	235	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	106	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		116 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		123 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	340	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-87 @ 4' 0K09003-48 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin E	Environmer	ıtal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Toluene	0.00405	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Ethylbenzene	0.00701	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (p/m)	0.00286	0.00200	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		107 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EPA	/ Standard Method	ds							
Chloride	11.9	1.01	mg/kg dry	1	P0K1101	11/11/20	11/12/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 80	015M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		152 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	S-GC1
Surrogate: o-Terphenyl		154 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	S-GC1
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-88 @ 4' 0K09003-49 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin E	Environme	ıtal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		107 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EPA	Standard Method	ds							
Chloride	8.69	1.02	mg/kg dry	1	P0K1101	11/11/20	11/12/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 l	oy EPA Method 80	)15M							
C6-C12	ND	25.5	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		112 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		123 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-89 @ 4' 0K09003-50 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmer	ntal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		103 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EI	PA / Standard Method	ls							
Chloride	3.95	1.01	mg/kg dry	1	P0K1101	11/11/20	11/12/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C12-C28	181	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	91.2	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		111 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		118 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	272	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-90 @ 4' 0K09003-51 (Soil)

	-	Reporting		<b></b>					
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perm	ian Basin F	Environmen	tal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		108 %	75-125		P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-12	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
<b>General Chemistry Parameters by EP</b>	PA / Standard Methods	8							
Chloride	7.59	1.02	mg/kg dry	1	P0K1101	11/11/20	11/12/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C3	35 by EPA Method 801	5M							
C6-C12	ND	25.5	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C12-C28	291	25.5	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	142	25.5	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		115 %	70-13	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		119 %	70-13	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	433	25.5	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-91 @ 4' 0K09003-52 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin F	Environme	ntal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EPA /	Standard Method	ls							
Chloride	10.3	1.01	mg/kg dry	1	P0K1101	11/11/20	11/12/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 b	oy EPA Method 80	)15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		117 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		124 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-92 @ 4' 0K09003-53 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environme	ntal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		108 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.6 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EPA	/ Standard Method	ls							
Chloride	16.0	1.01	mg/kg dry	1	P0K1101	11/11/20	11/12/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		120 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		128 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# BH-93 @ 4' 0K09003-54 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin E	Environme	ntal Lab,	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		103 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EPA	Standard Method	ds							
Chloride	7.41	1.01	mg/kg dry	1	P0K1101	11/11/20	11/12/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 l	oy EPA Method 80	)15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		125 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		135 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	S-G
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

East SW B @ 3.5' 0K09003-55 (Soil)

		Reporting										
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes			
Permian Basin Environmental Lab, L.P.												
Organics by GC												
Benzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B				
Toluene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B				
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B				
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B				
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B				
Surrogate: 4-Bromofluorobenzene		100 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B				
Surrogate: 1,4-Difluorobenzene		108 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B				
General Chemistry Parameters by EPA	A / Standard Method	ls										
Chloride	9.34	1.01	mg/kg dry	1	P0K1101	11/11/20	11/12/20	EPA 300.0				
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216				
Total Petroleum Hydrocarbons C6-C35	5 by EPA Method 80	15M										
C6-C12	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M				
>C12-C28	208	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M				
>C28-C35	89.1	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M				
Surrogate: 1-Chlorooctane		124 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M				
Surrogate: o-Terphenyl		129 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M				
Total Petroleum Hydrocarbon C6-C35	298	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc				

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

### East SW D @ 3.5' 0K09003-56 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environme	ıtal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		106 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		103 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EPA	Standard Method	ls							
Chloride	10.1	1.01	mg/kg dry	1	P0K1101	11/11/20	11/12/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 l	oy EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		124 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		133 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

### East SW 3 @ 3.5' 0K09003-57 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perr	nian Basin I	Environme	ntal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		103 %	75-1	25	P0K1006	11/10/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EPA	Standard Method	ls							
Chloride	7.37	1.01	mg/kg dry	1	P0K1101	11/11/20	11/12/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 l	oy EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		122 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		132 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

#### North SW B1A @ 2' 0K09003-58 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
,						1 Topulou	7 Hary 200	memod	110103
	Per	mian Basin E	invironmen	itai Lad, i	L. <b>P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
<b>General Chemistry Parameters by EPA / Stan</b>	dard Metho	ds							
Chloride	2.68	1.00	mg/kg dry	1	P0K1101	11/11/20	11/12/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
<b>Total Petroleum Hydrocarbons C6-C35 by EB</b>	A Method 8	015M							
C6-C12	ND	25.0	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		119 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		124 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

North SW B2A @ 2' 0K09003-59 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	mian Basin F	Environme	ntal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		108 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		98.6 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EPA	Standard Method	ds							
Chloride	8.38	1.01	mg/kg dry	1	P0K1102	11/11/20	11/13/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 l	oy EPA Method 80	)15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		123 %	70-1	130	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		131 %	70-1	30	P0K1017	11/10/20	11/12/20	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

North SW C @ 2' 0K09003-60 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perm	ian Basin E	Environmen	tal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		107 %	75-12	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-12	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
General Chemistry Parameters by El	PA / Standard Method	s							
Chloride	9.57	1.01	mg/kg dry	1	P0K1102	11/11/20	11/13/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C12-C28	48.1	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		122 %	70-1.	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Surrogate: o-Terphenyl		126 %	70-1.	30	P0K1017	11/10/20	11/12/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	48.1	25.3	mg/kg dry	1	[CALC]	11/10/20	11/12/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Plains Artesia Gathering East Fax:

#### North Wall C @ 3.5' 0K09003-61 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmen	tal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	75-1.	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		106 %	75-1.	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EP	A / Standard Method	ls							
Chloride	4.62	1.02	mg/kg dry	1	P0K1102	11/11/20	11/13/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C3	35 by EPA Method 80	15M							
C6-C12	ND	25.5	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C12-C28	205	25.5	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C28-C35	117	25.5	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		75.1 %	70-1.	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: o-Terphenyl		88.4 %	70-1.	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	323	25.5	mg/kg dry	1	[CALC]	11/10/20	11/10/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

> South SW B @ 3.5' 0K09003-62 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmen	tal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Toluene	0.0117	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Ethylbenzene	0.0179	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (p/m)	0.00775	0.00200	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (o)	0.00175	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		108 %	75-1.	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-1.	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
<b>General Chemistry Parameters by EPA/</b>	Standard Method	ls							
Chloride	4.18	1.01	mg/kg dry	1	P0K1102	11/11/20	11/13/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 b	y EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		89.6 %	70-1.	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: o-Terphenyl		102 %	70-1.	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/10/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

#### South SW C @ 2' 0K09003-63 (Soil)

Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Pern	nian Basin F	Environme	ıtal Lab, l	L <b>.P.</b>				
ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
ND	0.00200	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
	106 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
	102 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
Standard Method	ls							
19.0	1.00	mg/kg dry	1	P0K1102	11/11/20	11/13/20	EPA 300.0	
ND	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
y EPA Method 80	15M							
ND	25.0	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
ND	25.0	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
ND	25.0	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
	93.8 %	70-1	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
	109 %	70-1	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
ND	25.0	mg/kg dry	1	[CALC]	11/10/20	11/10/20	calc	
	Pern ND ND ND ND ND Standard Method 19.0 ND ND ND ND ND ND ND ND ND ND ND ND	ND   0.00100     ND   0.00100     ND   0.00100     ND   0.00100     ND   0.00200     ND   0.00100     106 %     102 %     Standard Methods     19.0   1.00     ND   0.1     by EPA Method 8015M     ND   25.0     ND   25.0     ND   25.0     93.8 %     109 %	ND	ND	Result   Limit   Units   Dilution   Batch	Result	Result	Result

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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#### South SW C @ 3.5' 0K09003-64 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perr	nian Basin E	Environmer	ıtal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Toluene	0.00233	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Ethylbenzene	0.00780	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (p/m)	0.00329	0.00200	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		103 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EPA	/ Standard Method	ls							
Chloride	4.85	1.01	mg/kg dry	1	P0K1102	11/11/20	11/13/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		95.7 %	70-1	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: o-Terphenyl		109 %	70-1	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/10/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

South SW D @ 3.5' 0K09003-65 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	mian Basin F	Environmen	ıtal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		106 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
<b>General Chemistry Parameters by EPA / Stand</b>	lard Metho	ds							
Chloride	4.06	1.02	mg/kg dry	1	P0K1102	11/11/20	11/13/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA	A Method 80	)15M							
C6-C12	ND	25.5	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		94.4 %	70-1	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: o-Terphenyl		111 %	70-1	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	11/10/20	11/10/20	calc	

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

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#### West SW @ 2' 0K09003-66 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Per	mian Basin F	Environmen	ıtal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		109 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
<b>General Chemistry Parameters by EPA / Stan</b>	dard Metho	ds							
Chloride	5.83	1.01	mg/kg dry	1	P0K1102	11/11/20	11/13/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EP	A Method 80	)15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		97.1 %	70-1	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: o-Terphenyl		110 %	70-1	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/10/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

West SW B1A @ 1.5' 0K09003-67 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin E	nvironmer	ıtal Lab, l	L.P.				
Organics by GC									
Benzene	0.0132	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Toluene	0.0346	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Ethylbenzene	0.0157	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (p/m)	0.00613	0.00200	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (o)	0.00124	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		111 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EPA	/ Standard Method	ls							
Chloride	5.84	1.00	mg/kg dry	1	P0K1102	11/11/20	11/13/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
<b>Total Petroleum Hydrocarbons C6-C35</b>	by EPA Method 80	015M							
C6-C12	ND	25.0	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		90.6 %	70-1	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: o-Terphenyl		97.8 %	70-1	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	11/10/20	11/10/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 70707

Project Manager: Sulviva Peter

Midland TX, 79707 Project Manager: Sylwia Reynolds

#### West SW B2A @ 2' 0K09003-68 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmer	ıtal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Ethylbenzene	0.00132	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		109 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
<b>General Chemistry Parameters by EPA</b>	/ Standard Method	ls							
Chloride	8.25	1.01	mg/kg dry	1	P0K1102	11/11/20	11/13/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
<b>Total Petroleum Hydrocarbons C6-C35</b>	by EPA Method 80	15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		95.2 %	70-1	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: o-Terphenyl		114 %	70-1	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/10/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

West SW C @ 2' 0K09003-69 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin E	Environme	ntal Lab, l	L <b>.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		107 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.4 %	75-1	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EPA	Standard Method	ls							
Chloride	5.18	1.01	mg/kg dry	1	P0K1102	11/11/20	11/13/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 l	oy EPA Method 80	)15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		99.5 %	70-1	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Surrogate: o-Terphenyl		115 %	70-1	30	P0K1011	11/10/20	11/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/20	11/10/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

#### West SW C @ 3.5' 0K09003-70 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	mian Basin E	nvironmen	tal Lab, I	<b>∟.P.</b>				
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Toluene	0.00836	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Ethylbenzene	0.0137	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (p/m)	0.00610	0.00200	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Xylene (o)	0.00128	0.00100	mg/kg dry	1	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		109 %	75-1.	25	P0K1107	11/11/20	11/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		98.1 %	75-1.	?5	P0K1107	11/11/20	11/11/20	EPA 8021B	
General Chemistry Parameters by EPA	/ Standard Method	ls							
Chloride	7.88	1.01	mg/kg dry	1	P0K1102	11/11/20	11/13/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0K1007	11/10/20	11/10/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 80	)15M							
C6-C12	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
2C12-C28					DOI/ 1011	11/10/20		TD11 001514	
>C12-C28 >C28-C35	ND	25.3	mg/kg dry	1	P0K1011	11/10/20	11/10/20	TPH 8015M	
	ND	25.3 102 %	mg/kg dry 70-1.		P0K1011 P0K1011	11/10/20	11/10/20	TPH 8015M  TPH 8015M	
C28-C35	ND			30					

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

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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
•		Limit		25,61	Tesuit					.10103
Batch P0K1006 - General Preparation (C	GC)									
Blank (P0K1006-BLK1)				Prepared: 1	1/10/20 An	alyzed: 11	/11/20			
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.2	75-125			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	75-125			
LCS (P0K1006-BS1)				Prepared: 1	1/10/20 An	alyzed: 11	/11/20			
Benzene	0.0853	0.00100	mg/kg wet	0.100		85.3	80-120			
Toluene	0.0817	0.00100	"	0.100		81.7	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.166	0.00200	"	0.200		83.2	80-120			
Xylene (o)	0.0926	0.00100	"	0.100		92.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		105	75-125			
Surrogate: 1,4-Difluorobenzene	0.132		"	0.120		110	75-125			
LCS Dup (P0K1006-BSD1)				Prepared: 1	1/10/20 An	alyzed: 11	/11/20			
Benzene	0.0830	0.00100	mg/kg wet	0.100		83.0	80-120	2.82	20	
Toluene	0.0806	0.00100	"	0.100		80.6	80-120	1.33	20	
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120	2.67	20	
Xylene (p/m)	0.163	0.00200	"	0.200		81.7	80-120	1.85	20	
Xylene (o)	0.0882	0.00100	"	0.100		88.2	80-120	4.88	20	
Surrogate: 4-Bromofluorobenzene	0.130		"	0.120		109	75-125			
Surrogate: 1,4-Difluorobenzene	0.136		"	0.120		113	75-125			
Calibration Blank (P0K1006-CCB1)				Prepared: 1	1/10/20 An	alyzed: 11	/11/20			
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Kylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		98.8	75-125			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	75-125			

Permian Basin Environmental Lab, L.P.

Dean Project: Plains Artesia Gathering East

0.129

0.129

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

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

_		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0K1006 - General Preparation (G	C)									
Calibration Blank (P0K1006-CCB2)				Prepared: 1	11/10/20 Aı	nalyzed: 11	/11/20			
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	75-125			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		101	75-125			
Calibration Blank (P0K1006-CCB3)				Prepared: 1	1/10/20 Aı	nalyzed: 11	/11/20			
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	75-125			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		102	75-125			
Calibration Check (P0K1006-CCV1)				Prepared: 1	11/10/20 Aı	nalyzed: 11	/11/20			
Benzene	0.0867	0.00100	mg/kg wet	0.100		86.7	80-120			
Toluene	0.0800	0.00100	"	0.100		80.0	80-120			
Ethylbenzene	0.0914	0.00100	"	0.100		91.4	80-120			
Xylene (p/m)	0.161	0.00200	"	0.200		80.7	80-120			
Xylene (o)	0.0934	0.00100	"	0.100		93.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	75-125			
Surrogate: 1,4-Difluorobenzene	0.124		"	0.120		103	75-125			
Calibration Check (P0K1006-CCV2)				Prepared: 1	11/10/20 Aı	nalyzed: 11	/11/20			
Benzene	0.0888	0.00100	mg/kg wet	0.100		88.8	80-120			
Toluene	0.0804	0.00100	"	0.100		80.4	80-120			
Ethylbenzene	0.0905	0.00100	"	0.100		90.5	80-120			
Xylene (p/m)	0.162	0.00200	"	0.200		81.0	80-120			
Xylene (o)	0.0910	0.00100	"	0.100		91.0	80-120			

Permian Basin Environmental Lab, L.P.

 ${\it Surrogate: 4-Bromofluor obenzene}$ 

Surrogate: 1,4-Difluorobenzene

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

107

107

75-125

75-125

0.120

0.120

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

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

		Reporting		Spike	Source	N/PEG	%REC		RPD	27
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0K1006 - General Preparation (G	C)									
Calibration Check (P0K1006-CCV3)				Prepared: 1	1/10/20 A	nalyzed: 11	/11/20			
Benzene	0.0887	0.00100	mg/kg wet	0.100		88.7	80-120			
Toluene	0.0834	0.00100	"	0.100		83.4	80-120			
Ethylbenzene	0.0935	0.00100	"	0.100		93.5	80-120			
Xylene (p/m)	0.164	0.00200	"	0.200		82.0	80-120			
Xylene (o)	0.0946	0.00100	"	0.100		94.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.129		"	0.120		107	75-125			
Surrogate: 1,4-Difluorobenzene	0.131		"	0.120		110	75-125			
Matrix Spike (P0K1006-MS1)	Sou	rce: 0K09002	-68	Prepared: 1	1/10/20 A	nalyzed: 11	/11/20			
Benzene	0.0727	0.00100	mg/kg dry	0.105	ND	69.0	80-120			QM-0
Toluene	0.0673	0.00100	"	0.105	ND	63.9	80-120			QM-0
Ethylbenzene	0.0889	0.00100	"	0.105	ND	84.5	80-120			
Xylene (p/m)	0.138	0.00200	"	0.211	ND	65.3	80-120			QM-0
Xylene (o)	0.0720	0.00100	"	0.105	ND	68.4	80-120			QM-0
Surrogate: 4-Bromofluorobenzene	0.131		"	0.126		104	75-125			
Surrogate: 1,4-Difluorobenzene	0.132		"	0.126		105	75-125			
Matrix Spike Dup (P0K1006-MSD1)	Sou	rce: 0K09002	-68	Prepared: 1	1/10/20 A	nalyzed: 11	/11/20			
Benzene	0.0730	0.00100	mg/kg dry	0.105	ND	69.4	80-120	0.491	20	QM-0
Toluene	0.0671	0.00100	"	0.105	ND	63.7	80-120	0.282	20	QM-0
Ethylbenzene	0.0868	0.00100	"	0.105	ND	82.5	80-120	2.41	20	
Xylene (p/m)	0.133	0.00200	"	0.211	ND	63.1	80-120	3.46	20	QM-0
Xylene (o)	0.0698	0.00100	"	0.105	ND	66.3	80-120	3.10	20	QM-0
Surrogate: 4-Bromofluorobenzene	0.124		"	0.126		98.1	75-125			
Surrogate: 1,4-Difluorobenzene	0.133		"	0.126		105	75-125			
Batch P0K1107 - General Preparation (G	C)									
Blank (P0K1107-BLK1)				Prepared &	: Analyzed:	11/11/20				
Benzene	ND	0.00100	mg/kg wet		-					
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	75-125			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.0	75-125			

Permian Basin Environmental Lab, L.P.

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

### **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
Analyte	Result	Limit	Omis	Level	Result	/OKEC	LIIIIIS	KLD	riiiit	notes
Batch P0K1107 - General Preparation (GC	C)									
LCS (P0K1107-BS1)				Prepared &	Analyzed:	11/11/20				
Benzene	0.0883	0.00100	mg/kg wet	0.100		88.3	80-120			
Toluene	0.0824	0.00100	"	0.100		82.4	80-120			
Ethylbenzene	0.0886	0.00100	"	0.100		88.6	80-120			
Xylene (p/m)	0.174	0.00200	"	0.200		87.2	80-120			
Xylene (o)	0.0946	0.00100	"	0.100		94.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.130		"	0.120		108	75-125			
Surrogate: 1,4-Difluorobenzene	0.131		"	0.120		109	75-125			
LCS Dup (P0K1107-BSD1)				Prepared &	Analyzed:	11/11/20				
Benzene	0.0877	0.00100	mg/kg wet	0.100		87.7	80-120	0.682	20	
Toluene	0.0806	0.00100	"	0.100		80.6	80-120	2.23	20	
Ethylbenzene	0.0852	0.00100	"	0.100		85.2	80-120	3.99	20	
Xylene (p/m)	0.173	0.00200	"	0.200		86.6	80-120	0.714	20	
Xylene (o)	0.0951	0.00100	"	0.100		95.1	80-120	0.506	20	
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	75-125			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	75-125			
Calibration Blank (P0K1107-CCB1)				Prepared &	Analyzed:	11/11/20				
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	75-125			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	75-125			
Calibration Blank (P0K1107-CCB2)				Prepared &	Analyzed:	11/11/20				
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	75-125			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	75-125			

Permian Basin Environmental Lab, L.P.

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

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

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

Calibration Blank (P0K1107-CCB3)				Prepared & Ana	lyzed: 11/11/20	
Benzene	0.00		mg/kg wet			
Toluene	0.00		"			
Ethylbenzene	0.00		"			
Xylene (p/m)	0.00		"			
Xylene (o)	0.00		"			
Surrogate: 4-Bromofluorobenzene	0.128		"	0.120	107	75-125
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120	100	75-125
Calibration Check (P0K1107-CCV1)				Prepared & Ana	lyzed: 11/11/20	
Benzene	0.0883	0.00100	mg/kg wet	0.100	88.3	80-120
Toluene	0.0805	0.00100	"	0.100	80.5	80-120
Ethylbenzene	0.0931	0.00100	"	0.100	93.1	80-120
Xylene (p/m)	0.168	0.00200	"	0.200	83.9	80-120
Kylene (o)	0.0927	0.00100	"	0.100	92.7	80-120
Surrogate: 4-Bromofluorobenzene	0.132		"	0.120	110	75-125
urrogate: 1,4-Difluorobenzene	0.132		"	0.120	110	75-125
Calibration Check (P0K1107-CCV2)				Prepared & Ana	lyzed: 11/11/20	
Benzene	0.0906	0.00100	mg/kg wet	0.100	90.6	80-120
Toluene	0.0818	0.00100	"	0.100	81.8	80-120
Ethylbenzene	0.0933	0.00100	"	0.100	93.3	80-120
Kylene (p/m)	0.169	0.00200	"	0.200	84.6	80-120
Kylene (o)	0.0951	0.00100	"	0.100	95.1	80-120
Gurrogate: 4-Bromofluorobenzene	0.134		"	0.120	111	75-125
urrogate: 1,4-Difluorobenzene	0.130		"	0.120	109	75-125
Calibration Check (P0K1107-CCV3)				Prepared & Ana	lyzed: 11/11/20	
Benzene	0.0933	0.00100	mg/kg wet	0.100	93.3	80-120
Toluene	0.0830	0.00100	"	0.100	83.0	80-120
Ethylbenzene	0.0969	0.00100	"	0.100	96.9	80-120
Kylene (p/m)	0.176	0.00200	"	0.200	87.8	80-120
Kylene (o)	0.101	0.00100	"	0.100	101	80-120
Surrogate: 4-Bromofluorobenzene	0.139		"	0.120	116	75-125
Gurrogate: 1,4-Difluorobenzene	0.128		"	0.120	107	75-125

Permian Basin Environmental Lab, L.P.

0.134

0.127

12600 W County Rd 91 Project Number: PP-2075 Midland TX, 79707 Project Manager: Sylwia Reynolds Fax:

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

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

Batch P0K1107 - General Preparation (GC)
--

Surrogate: 4-Bromofluorobenzene

Surrogate: 1,4-Difluorobenzene

<b>Batch P0K1107 - General Preparation (Control of Contro</b>	GC)									
Matrix Spike (P0K1107-MS1)	Sour	ce: 0K09003	3-58	Prepared &	Analyzed:	11/11/20				
Benzene	0.0791	0.00100	mg/kg dry	0.100	ND	79.1	80-120			QM-07
Toluene	0.0732	0.00100	"	0.100	ND	73.2	80-120			QM-07
Ethylbenzene	0.0925	0.00100	"	0.100	ND	92.5	80-120			
Xylene (p/m)	0.142	0.00200	"	0.200	ND	71.0	80-120			QM-07
Xylene (o)	0.0750	0.00100	"	0.100	ND	75.0	80-120			QM-07
Surrogate: 4-Bromofluorobenzene	0.128		"	0.120		107	75-125			
Surrogate: 1,4-Difluorobenzene	0.124		"	0.120		103	75-125			
Matrix Spike Dup (P0K1107-MSD1)	Sour	ce: 0K09003	3-58	Prepared &	Analyzed:	11/11/20				
Benzene	0.0795	0.00100	mg/kg dry	0.100	ND	79.5	80-120	0.454	20	QM-07
Toluene	0.0725	0.00100	"	0.100	ND	72.5	80-120	1.03	20	QM-07
Ethylbenzene	0.0892	0.00100	"	0.100	ND	89.2	80-120	3.68	20	
Xylene (p/m)	0.144	0.00200	"	0.200	ND	71.9	80-120	1.28	20	QM-07
Xylene (o)	0.0684	0.00100	"	0.100	ND	68.4	80-120	9.22	20	QM-07

0.120

0.120

112

106

75-125

75-125

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

Fax:

# 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
niary to	Result	Liillt	Omis	Level	Kesuit	/UKEC	Lillius	МЪ	Limit	110103
Batch P0K1007 - *** DEFAULT PREP ***										
Blank (P0K1007-BLK1)				Prepared &	Analyzed:	11/10/20				
% Moisture	ND	0.1	%							
Blank (P0K1007-BLK2)				Prepared &	Analyzed:	11/10/20				
% Moisture	ND	0.1	%							
Blank (P0K1007-BLK3)				Prepared &	Analyzed:	11/10/20				
% Moisture	ND	0.1	%							
Blank (P0K1007-BLK4)				Prepared &	Analyzed:	11/10/20				
% Moisture	ND	0.1	%	-	-					
Blank (P0K1007-BLK5)				Prepared &	Analyzed:	11/10/20				
% Moisture	ND	0.1	%							
Blank (P0K1007-BLK6)				Prepared &	Analyzed:	11/10/20				
% Moisture	ND	0.1	%		-					
Blank (P0K1007-BLK7)				Prepared &	Analyzed:	11/10/20				
% Moisture	ND	0.1	%	•						
Duplicate (P0K1007-DUP1)	Sou	rce: 0K09001-	10	Prepared &	Analyzed:	11/10/20				
% Moisture	14.0	0.1	%		14.0			0.00	20	
Duplicate (P0K1007-DUP2)	Sou	rce: 0K09002-	16	Prepared &	Analyzed:	11/10/20				
% Moisture	4.0	0.1	%	1	3.0	-		28.6	20	R3
Duplicate (P0K1007-DUP3)	Sou	rce: 0K09002-	26	Prepared &	Analyzed:	11/10/20				
% Moisture	3.0	0.1	%	<u>F</u>	3.0			0.00	20	

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Sylwia Reynolds

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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 P0K1007 - *** DEFAULT PREP ***										
Duplicate (P0K1007-DUP4)	Sou	rce: 0K09002-	41	Prepared &	Analyzed:	11/10/20				
% Moisture	9.0	0.1	%	-	7.0			25.0	20	R.
Duplicate (P0K1007-DUP5)	Sou	rce: 0K09002-	51	Prepared &	Analyzed:	11/10/20				
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P0K1007-DUP6)	Sou	rce: 0K09002-	66	Prepared &	Analyzed:	11/10/20				
% Moisture	8.0	0.1	%		9.0			11.8	20	
Duplicate (P0K1007-DUP7)	Sou	rce: 0K09003-	04	Prepared &	Analyzed:	11/10/20				
% Moisture	1.0	0.1	%		1.0			0.00	20	
Duplicate (P0K1007-DUP8)	Sou	rce: 0K09003-	19	Prepared &	Analyzed:	11/10/20				
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P0K1007-DUP9)	Sou	rce: 0K09003-	29	Prepared &	Analyzed:	11/10/20				
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P0K1007-DUPA)	Sou	rce: 0K09003-	44	Prepared &	Analyzed:	11/10/20				
% Moisture	ND	0.1	%	-	1.0			200	20	R.
Duplicate (P0K1007-DUPB)	Sou	rce: 0K09003-	54	Prepared &	Analyzed:	11/10/20				
% Moisture	1.0	0.1	%		1.0			0.00	20	
Duplicate (P0K1007-DUPC)	Sou	rce: 0K09003-	69	Prepared &	Analyzed:	11/10/20				
% Moisture	1.0	0.1	%	•	1.0			0.00	20	
Duplicate (P0K1007-DUPD)	Sou	rce: 0K09007-	09	Prepared &	Analyzed:	11/10/20				
% Moisture	16.0	0.1	%	1	16.0			0.00	20	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707

Project Manager: Sylwia Reynolds

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

Apolisto	Dagult	Reporting	Linita	Spike	Source	0/ DEC	%REC	DDD	RPD	Notes
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0K1101 - *** DEFAULT PREP ***										
LCS (P0K1101-BS1)				Prepared: 1	11/11/20 Aı	nalyzed: 11	/12/20			
Chloride	433	1.00	mg/kg wet	400		108	80-120			
LCS Dup (P0K1101-BSD1)				Prepared: 1	11/11/20 Aı	nalyzed: 11	/12/20			
Chloride	436	1.00	mg/kg wet	400		109	80-120	0.840	20	
Calibration Check (P0K1101-CCV1)				Prepared: 1	11/11/20 Aı	nalyzed: 11	/12/20			
Chloride	22.0		mg/kg	20.0		110	0-200			
Calibration Check (P0K1101-CCV2)				Prepared: 1	11/11/20 Aı	nalyzed: 11	/12/20			
Chloride	22.1		mg/kg	20.0		111	0-200			
Calibration Check (P0K1101-CCV3)				Prepared: 1	11/11/20 Aı	nalyzed: 11	/13/20			
Chloride	22.6		mg/kg	20.0		113	0-200			
Matrix Spike (P0K1101-MS1)	Sou	ce: 0K09002	2-69	Prepared: 1	11/11/20 Aı	nalyzed: 11	/12/20			
Chloride	645	1.03	mg/kg dry	515	52.1	115	80-120			
Matrix Spike (P0K1101-MS2)	Sou	rce: 0K09003	3-49	Prepared: 1	11/11/20 Aı	nalyzed: 11	/12/20			
Chloride	535	1.02	mg/kg dry	510	8.69	103	80-120			
Matrix Spike Dup (P0K1101-MSD1)	Sou	ce: 0K09002	2-69	Prepared: 1	1/11/20 Aı	nalyzed: 11	/12/20			
Chloride	609	1.03	mg/kg dry	515	52.1	108	80-120	5.84	20	
Matrix Spike Dup (P0K1101-MSD2)	Sou	ce: 0K09003	3-49	Prepared: 1	11/11/20 Aı	nalyzed: 11	/12/20			
Chloride	543	1.02	mg/kg dry	510	8.69	105	80-120	1.60	20	
Batch P0K1102 - *** DEFAULT PREP ***										
Blank (P0K1102-BLK1)				Prepared: 1	11/11/20 Aı	nalyzed: 11	/13/20			
Chloride	ND	1.00	mg/kg wet							

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

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

		Reporting	•	Spike	Source		%REC		RPD	•
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0K1102 - *** DEFAULT PREP ***										
LCS (P0K1102-BS1)				Prepared:	11/11/20 A	nalyzed: 11	/13/20			
Chloride	443	1.00	mg/kg wet	400		111	80-120			
LCS Dup (P0K1102-BSD1)				Prepared:	11/11/20 A	nalyzed: 11	/13/20			
Chloride	447	1.00	mg/kg wet	400		112	80-120	0.899	20	
Calibration Check (P0K1102-CCV1)				Prepared:	11/11/20 A	nalyzed: 11	/13/20			
Chloride	22.6		mg/kg	20.0		113	0-200			
Calibration Check (P0K1102-CCV2)				Prepared:	11/11/20 A	nalyzed: 11	/13/20			
Chloride	22.1		mg/kg	20.0		111	0-200			
Calibration Check (P0K1102-CCV3)				Prepared:	11/11/20 A	nalyzed: 11	/13/20			
Chloride	22.4		mg/kg	20.0		112	0-200			
Matrix Spike (P0K1102-MS1)	Sour	ce: 0K09003	3-59	Prepared:	11/11/20 A	nalyzed: 11	/13/20			
Chloride	522	1.01	mg/kg dry	505	8.38	102	80-120			
Matrix Spike (P0K1102-MS2)	Sour	ce: 0K09003	3-69	Prepared:	11/11/20 A	nalyzed: 11	/13/20			
Chloride	520	1.01	mg/kg dry	505	5.18	102	80-120			
Matrix Spike Dup (P0K1102-MSD1)	Sour	ce: 0K09003	3-59	Prepared:	11/11/20 A	nalyzed: 11	/13/20			
Chloride	558	1.01	mg/kg dry	505	8.38	109	80-120	6.71	20	
Matrix Spike Dup (P0K1102-MSD2)	Sour	ce: 0K09003	3-69	Prepared:	11/11/20 A	nalyzed: 11	/13/20			
Chloride	547	1.01	mg/kg dry	505	5.18	107	80-120	5.03	20	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

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 P0K1011 - TX 1005										
Blank (P0K1011-BLK1)				Prepared &	Analyzed:	11/10/20				
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	83.3		"	100		83.3	70-130			
Surrogate: o-Terphenyl	46.8		"	50.0		93.6	70-130			
LCS (P0K1011-BS1)				Prepared &	Analyzed:	11/10/20				
C6-C12	871	25.0	mg/kg wet	1000		87.1	75-125			
>C12-C28	1100	25.0	"	1000		110	75-125			
Surrogate: 1-Chlorooctane	109		"	100		109	70-130			
Surrogate: o-Terphenyl	48.9		"	50.0		97.8	70-130			
LCS Dup (P0K1011-BSD1)				Prepared &	Analyzed:	11/10/20				
C6-C12	822	25.0	mg/kg wet	1000		82.2	75-125	5.77	20	
>C12-C28	1020	25.0	"	1000		102	75-125	7.03	20	
Surrogate: 1-Chlorooctane	101		"	100		101	70-130			
Surrogate: o-Terphenyl	46.0		"	50.0		92.1	70-130			
Calibration Check (P0K1011-CCV1)				Prepared &	Analyzed:	11/10/20				
C6-C12	446	25.0	mg/kg wet	500		89.1	85-115			
>C12-C28	505	25.0	"	500		101	85-115			
Surrogate: 1-Chlorooctane	92.0		"	100		92.0	70-130			
Surrogate: o-Terphenyl	45.5		"	50.0		91.1	70-130			
Calibration Check (P0K1011-CCV2)				Prepared &	Analyzed:	11/10/20				
C6-C12	482	25.0	mg/kg wet	500		96.4	85-115			
>C12-C28	552	25.0	"	500		110	85-115			
Surrogate: 1-Chlorooctane	99.8		"	100		99.8	70-130			
Surrogate: o-Terphenyl	48.0		"	50.0		96.0	70-130			

Permian Basin Environmental Lab, L.P.

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

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

		Reporting		Spike	Source	0/5	%REC	n	RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0K1011 - TX 1005										
Calibration Check (P0K1011-CCV3)				Prepared &	& Analyzed:	11/10/20				
C6-C12	443	25.0	mg/kg wet	500		88.7	85-115			
>C12-C28	505	25.0	"	500		101	85-115			
Surrogate: 1-Chlorooctane	90.6		"	100		90.6	70-130			
Surrogate: o-Terphenyl	44.4		"	50.0		88.8	70-130			
Matrix Spike (P0K1011-MS1)	Sou	rce: 0K09003	3-70	Prepared &	& Analyzed:	11/10/20				
C6-C12	996	25.3	mg/kg dry	1010	ND	98.6	75-125			
>C12-C28	1220	25.3	"	1010	ND	121	75-125			
Surrogate: 1-Chlorooctane	95.6		"	101		94.7	70-130			
Surrogate: o-Terphenyl	53.8		"	50.5		107	70-130			
Matrix Spike Dup (P0K1011-MSD1)	Sou	rce: 0K09003	3-70	Prepared &	& Analyzed:	11/10/20				
C6-C12	934	25.3	mg/kg dry	1010	ND	92.5	75-125	6.39	20	
>C12-C28	1160	25.3	"	1010	ND	115	75-125	4.99	20	
Surrogate: 1-Chlorooctane	115		"	101		114	70-130			
Surrogate: o-Terphenyl	55.2		"	50.5		109	70-130			
Batch P0K1014 - TX 1005										
Blank (P0K1014-BLK1)				Prepared:	11/10/20 A	nalyzed: 11	/11/20			
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	110		"	100		110	70-130			
Surrogate: o-Terphenyl	55.3		"	50.0		111	70-130			
LCS (P0K1014-BS1)				Prepared:	11/10/20 A	nalyzed: 11	/11/20			
C6-C12	913	25.0	mg/kg wet	1000		91.3	75-125			
>C12-C28	1090	25.0	"	1000		109	75-125			
Surrogate: 1-Chlorooctane	119		"	100		119	70-130			
Surrogate: o-Terphenyl	53.9		"	50.0		108	70-130			

Permian Basin Environmental Lab, L.P.

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

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

	D 1:	Reporting	TT '4	Spike	Source	0/DEC	%REC	DDD	RPD	NT 4
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0K1014 - TX 1005										
LCS Dup (P0K1014-BSD1)				Prepared: 1	11/10/20 A	nalyzed: 11	/11/20			
C6-C12	927	25.0	mg/kg wet	1000		92.7	75-125	1.55	20	
>C12-C28	1100	25.0	"	1000		110	75-125	0.919	20	
Surrogate: 1-Chlorooctane	121		"	100		121	70-130			
Surrogate: o-Terphenyl	55.9		"	50.0		112	70-130			
Calibration Check (P0K1014-CCV1)				Prepared: 1	11/10/20 A	nalyzed: 11	/11/20			
C6-C12	474	25.0	mg/kg wet	500		94.9	85-115			
>C12-C28	512	25.0	"	500		102	85-115			
Surrogate: 1-Chlorooctane	108		"	100		108	70-130			
Surrogate: o-Terphenyl	52.5		"	50.0		105	70-130			
Calibration Check (P0K1014-CCV2)				Prepared: 1	11/10/20 A	nalyzed: 11	/11/20			
C6-C12	488	25.0	mg/kg wet	500		97.7	85-115			
>C12-C28	516	25.0	"	500		103	85-115			
Surrogate: 1-Chlorooctane	108		"	100		108	70-130			
Surrogate: o-Terphenyl	52.8		"	50.0		106	70-130			
Calibration Check (P0K1014-CCV3)				Prepared: 1	11/10/20 A	nalyzed: 11	/11/20			
C6-C12	506	25.0	mg/kg wet	500		101	85-115			
>C12-C28	529	25.0	"	500		106	85-115			
Surrogate: 1-Chlorooctane	114		"	100		114	70-130			
Surrogate: o-Terphenyl	54.5		"	50.0		109	70-130			
Matrix Spike (P0K1014-MS1)	Sou	rce: 0K09002	2-72	Prepared: 1	11/10/20 A	nalyzed: 11	/11/20			
C6-C12	1040	25.3	mg/kg dry	1010	ND	103	75-125			
>C12-C28	1220	25.3	"	1010	28.1	118	75-125			
Surrogate: 1-Chlorooctane	117		"	101		116	70-130			
Surrogate: o-Terphenyl	58.4		"	50.5		116	70-130			

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Sylwia Reynolds

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
	Result	Limit	Cints	Level	Result	70ICEC	Limits	КГБ	Limit	riotes
Batch P0K1014 - TX 1005										
Matrix Spike Dup (P0K1014-MSD1)	Sou	rce: 0K09002	2-72	Prepared: 1	11/10/20 A1	nalyzed: 11	/11/20			
C6-C12	1030	25.3	mg/kg dry	1010	ND	102	75-125	0.574	20	
>C12-C28	1230	25.3	"	1010	28.1	119	75-125	0.836	20	
Surrogate: 1-Chlorooctane	116		"	101		115	70-130			
Surrogate: o-Terphenyl	58.5		"	50.5		116	70-130			
Batch P0K1015 - TX 1005										
Blank (P0K1015-BLK1)				Prepared: 1	11/10/20 Aı	nalyzed: 11	/11/20			
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	93.0		"	100		93.0	70-130			
Surrogate: o-Terphenyl	52.5		"	50.0		105	70-130			
LCS (P0K1015-BS1)				Prepared: 1	11/10/20 Aı	nalyzed: 11	/11/20			
C6-C12	841	25.0	mg/kg wet	1000		84.1	75-125			
>C12-C28	1060	25.0	"	1000		106	75-125			
Surrogate: 1-Chlorooctane	107		"	100		107	70-130			
Surrogate: o-Terphenyl	50.0		"	50.0		100	70-130			
LCS Dup (P0K1015-BSD1)				Prepared: 1	11/10/20 Aı	nalyzed: 11	/11/20			
C6-C12	835	25.0	mg/kg wet	1000	<u> </u>	83.5	75-125	0.641	20	
>C12-C28	1040	25.0	"	1000		104	75-125	1.80	20	
Surrogate: 1-Chlorooctane	107		"	100		107	70-130			
Surrogate: o-Terphenyl	49.7		"	50.0		99.3	70-130			
Calibration Check (P0K1015-CCV1)				Prepared:	11/10/20 Aı	nalyzed: 11	/11/20			
C6-C12	436	25.0	mg/kg wet	500		87.2	85-115			
>C12-C28	484	25.0	"	500		96.9	85-115			
Surrogate: 1-Chlorooctane	91.4		"	100		91.4	70-130			
Surrogate: o-Terphenyl	46.8		"	50.0		93.5	70-130			

Permian Basin Environmental Lab, L.P.

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0K1015 - TX 1005										
Calibration Check (P0K1015-CCV2)				Prepared:	11/10/20 Aı	nalyzed: 11	/11/20			
C6-C12	494	25.0	mg/kg wet	500		98.7	85-115			
>C12-C28	528	25.0	"	500		106	85-115			
Surrogate: 1-Chlorooctane	102		"	100		102	70-130			
Surrogate: o-Terphenyl	51.8		"	50.0		104	70-130			
Matrix Spike (P0K1015-MS1)	Sour	ce: 0K09003	3-20	Prepared:	11/10/20 Aı	nalyzed: 11	/11/20			
C6-C12	940	25.8	mg/kg dry	1030	14.7	89.7	75-125			
>C12-C28	1260	25.8	"	1030	404	83.4	75-125			
Surrogate: 1-Chlorooctane	114		"	103		110	70-130			
Surrogate: o-Terphenyl	54.9		"	51.5		106	70-130			
Matrix Spike Dup (P0K1015-MSD1)	Sour	ce: 0K09003	3-20	Prepared:	11/10/20 Aı	nalyzed: 11	/11/20			
C6-C12	900	25.8	mg/kg dry	1030	14.7	85.9	75-125	4.37	20	
>C12-C28	1260	25.8	"	1030	404	83.1	75-125	0.379	20	
Surrogate: 1-Chlorooctane	109		"	103		106	70-130			
Surrogate: o-Terphenyl	52.5		"	51.5		102	70-130			
Batch P0K1016 - TX 1005										
Blank (P0K1016-BLK1)				Prepared:	11/10/20 Aı	nalyzed: 11	/11/20			
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	89.1		"	100		89.1	70-130			
Surrogate: o-Terphenyl	50.5		"	50.0		101	70-130			
LCS (P0K1016-BS1)				Prepared:	11/10/20 Aı	nalyzed: 11	/11/20			
C6-C12	966	25.0	mg/kg wet	1000		96.6	75-125			
>C12-C28	1160	25.0	"	1000		116	75-125			
Surrogate: 1-Chlorooctane	119		"	100		119	70-130			
Surrogate: o-Terphenyl	57.4		"	50.0		115	70-130			

Permian Basin Environmental Lab, L.P.

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0K1016 - TX 1005										
LCS Dup (P0K1016-BSD1)				Prepared: 1	11/10/20 A	nalyzed: 11	/11/20			
C6-C12	891	25.0	mg/kg wet	1000		89.1	75-125	8.13	20	
>C12-C28	1070	25.0	"	1000		107	75-125	7.59	20	
Surrogate: 1-Chlorooctane	113		"	100		113	70-130			
Surrogate: o-Terphenyl	53.6		"	50.0		107	70-130			
Calibration Check (P0K1016-CCV1)				Prepared: 1	11/10/20 A	nalyzed: 11	/11/20			
C6-C12	454	25.0	mg/kg wet	500		90.8	85-115			
>C12-C28	475	25.0	"	500		95.0	85-115			
Surrogate: 1-Chlorooctane	94.4		"	100		94.4	70-130			
Surrogate: o-Terphenyl	47.6		"	50.0		95.1	70-130			
Calibration Check (P0K1016-CCV2)				Prepared: 1	11/10/20 A	nalyzed: 11	/12/20			
C6-C12	504	25.0	mg/kg wet	500		101	85-115			
>C12-C28	554	25.0	"	500		111	85-115			
Surrogate: 1-Chlorooctane	102		"	100		102	70-130			
Surrogate: o-Terphenyl	53.7		"	50.0		107	70-130			
Calibration Check (P0K1016-CCV3)				Prepared: 1	11/10/20 A	nalyzed: 11	/12/20			
C6-C12	511	25.0	mg/kg wet	500		102	85-115			
>C12-C28	561	25.0	"	500		112	85-115			
Surrogate: 1-Chlorooctane	105		"	100		105	70-130			
Surrogate: o-Terphenyl	53.2		"	50.0		106	70-130			
Matrix Spike (P0K1016-MS1)	Sou	rce: 0K09003	3-40	Prepared: 1	11/10/20 A	nalyzed: 11	/12/20			
C6-C12	996	25.3	mg/kg dry	1010	17.4	96.9	75-125			
>C12-C28	1250	25.3	"	1010	255	98.7	75-125			
Surrogate: 1-Chlorooctane	90.1		"	101		89.2	70-130			
Surrogate: o-Terphenyl	58.8		"	50.5		116	70-130			

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

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

		Reporting	** *	Spike	Source	0/5==	%REC	P. P. F	RPD	3.7
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0K1016 - TX 1005										
Matrix Spike Dup (P0K1016-MSD1)	Sour	rce: 0K09003	3-40	Prepared: 1	11/10/20 A1	nalyzed: 11	/12/20			
C6-C12	964	25.3	mg/kg dry	1010	17.4	93.7	75-125	3.34	20	
>C12-C28	1240	25.3	"	1010	255	97.9	75-125	0.809	20	
Surrogate: 1-Chlorooctane	114		"	101		113	70-130			
Surrogate: o-Terphenyl	54.4		"	50.5		108	70-130			
Batch P0K1017 - TX 1005										
Blank (P0K1017-BLK1)				Prepared:	11/10/20 Aı	nalyzed: 11	/12/20			
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	112		"	100		112	70-130			
Surrogate: o-Terphenyl	56.8		"	50.0		114	70-130			
LCS (P0K1017-BS1)				Prepared: 1	11/10/20 Aı	nalyzed: 11	/12/20			
C6-C12	941	25.0	mg/kg wet	1000		94.1	75-125			
>C12-C28	1120	25.0	"	1000		112	75-125			
Surrogate: 1-Chlorooctane	122		"	100		122	70-130			
Surrogate: o-Terphenyl	56.0		"	50.0		112	70-130			
LCS Dup (P0K1017-BSD1)				Prepared: 1	11/10/20 Aı	nalyzed: 11	/12/20			
C6-C12	917	25.0	mg/kg wet	1000		91.7	75-125	2.55	20	
>C12-C28	1090	25.0	"	1000		109	75-125	2.40	20	
Surrogate: 1-Chlorooctane	120		"	100		120	70-130			
Surrogate: o-Terphenyl	56.7		"	50.0		113	70-130			
Calibration Check (P0K1017-CCV1)				Prepared: 1	11/10/20 Aı	nalyzed: 11	/12/20			
C6-C12	491	25.0	mg/kg wet	500		98.2	85-115			
>C12-C28	517	25.0	"	500		103	85-115			
Surrogate: 1-Chlorooctane	112		"	100		112	70-130			
Surrogate: o-Terphenyl	53.2		"	50.0		106	70-130			

Permian Basin Environmental Lab, L.P.

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0K1017 - TX 1005										
Calibration Check (P0K1017-CCV2)				Prepared: 1	11/10/20 Aı	nalyzed: 11	/12/20			
C6-C12	494	25.0	mg/kg wet	500		98.7	85-115			
>C12-C28	531	25.0	"	500		106	85-115			
Surrogate: 1-Chlorooctane	112		"	100		112	70-130			
Surrogate: o-Terphenyl	54.5		"	50.0		109	70-130			
Calibration Check (P0K1017-CCV3)				Prepared:	11/10/20 Aı	nalyzed: 11	/12/20			
C6-C12	453	25.0	mg/kg wet	500		90.6	85-115			
>C12-C28	479	25.0	"	500		95.8	85-115			
Surrogate: 1-Chlorooctane	104		"	100		104	70-130			
Surrogate: o-Terphenyl	48.8		"	50.0		97.6	70-130			
Matrix Spike (P0K1017-MS1)	Sou	rce: 0K09003	3-60	Prepared:	11/10/20 Aı	nalyzed: 11	/12/20			
C6-C12	1010	25.3	mg/kg dry	1010	9.71	99.3	75-125			
>C12-C28	1150	25.3	"	1010	48.1	109	75-125			
Surrogate: 1-Chlorooctane	123		"	101		122	70-130			
Surrogate: o-Terphenyl	58.4		"	50.5		116	70-130			
Matrix Spike Dup (P0K1017-MSD1)	Sou	rce: 0K09003	3-60	Prepared:	11/10/20 Aı	nalyzed: 11	/12/20			
C6-C12	1030	25.3	mg/kg dry	1010	9.71	101	75-125	1.42	20	
>C12-C28	1170	25.3	"	1010	48.1	111	75-125	1.59	20	
Surrogate: 1-Chlorooctane	126		"	101		125	70-130			
Surrogate: o-Terphenyl	59.5		"	50.5		118	70-130			

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

#### **Notes and Definitions**

S-GC1 Surrogate recovery outside of control limits. A second analysis confirmed the original results..

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-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

BULK Samples received in Bulk soil containers

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By: Date: 11/18/2020

Brent Barron, Laboratory Director/Technical Director

Permian Basin Environmental Lab, L.P.

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Sylwia Reynolds

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

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

Permian Basin Environmental Lab, L.P.

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Page 100 of 101

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elizabethstuart@deandigs.com

WORK ORDER #: SRS: Artesia Gathering East Historical

Project Loc: Eddy Co,

Project #: PP-2075

Project Name: Artesia Gathering East

Phone: 432-686-7235

Page	618 of 690
Project Manager:	
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Page 101 of 101

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



# Analytical Report

### **Prepared for:**

Sylwia Reynolds
Dean
12600 W County Rd 91
Midland, TX 79707

Project: Plains Artesia Gathering East

Project Number: PP-2075 Location: Eddy County, NM

Lab Order Number: 0L04004



NELAP/TCEQ # T104704516-17-8

Report Date: 12/11/20

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-56 @4.5'	0L04004-01	Soil	12/03/20 10:25	12-04-2020 14:22
BH-32 @4.5'	0L04004-02	Soil	12/03/20 08:30	12-04-2020 14:22
BH-26 @4.5'	0L04004-03	Soil	12/03/20 08:35	12-04-2020 14:22
BH-37 @4.5'	0L04004-04	Soil	12/03/20 09:10	12-04-2020 14:22
BH-21 @4.5'	0L04004-05	Soil	12/03/20 09:30	12-04-2020 14:22
BH-27 @4.5'	0L04004-06	Soil	12/03/20 09:45	12-04-2020 14:22
BH-62 @4.5'	0L04004-07	Soil	12/03/20 10:05	12-04-2020 14:22
BH-48 @4.5'	0L04004-08	Soil	12/03/20 08:40	12-04-2020 14:22
BH-46 @4.5'	0L04004-09	Soil	12/03/20 08:45	12-04-2020 14:22
BH-86 @4.5'	0L04004-10	Soil	12/03/20 09:15	12-04-2020 14:22
BH-14 @4.5'	0L04004-11	Soil	12/03/20 09:35	12-04-2020 14:22
BH-57 @4.5'	0L04004-12	Soil	12/03/20 09:50	12-04-2020 14:22
BH-49 @4.5'	0L04004-13	Soil	12/03/20 08:50	12-04-2020 14:22
BH-45 @4.5'	0L04004-14	Soil	12/03/20 08:55	12-04-2020 14:22
BH-90 @4.5'	0L04004-15	Soil	12/03/20 09:20	12-04-2020 14:22
BH-52 @4.5'	0L04004-16	Soil	12/03/20 09:38	12-04-2020 14:22
BH-61 @4.5'	0L04004-17	Soil	12/03/20 09:55	12-04-2020 14:22
BH-9 @4.5'	0L04004-18	Soil	12/03/20 09:00	12-04-2020 14:22
BH-67 @4.5'	0L04004-19	Soil	12/03/20 09:05	12-04-2020 14:22
BH-89 @4.5'	0L04004-20	Soil	12/03/20 09:25	12-04-2020 14:22
BH-50 @4.5'	0L04004-21	Soil	12/03/20 09:40	12-04-2020 14:22
BH-54 @4.5'	0L04004-22	Soil	12/03/20 10:00	12-04-2020 14:22
BH-58 @4.5'	0L04004-23	Soil	12/03/20 10:20	12-04-2020 14:22
ESW B-2 @3.5'	0L04004-24	Soil	12/03/20 10:15	12-04-2020 14:22
NSW C-2 @3.5'	0L04004-25	Soil	12/03/20 10:10	12-04-2020 14:22

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-56 @4.5' 0L04004-01 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perm	ian Basin I	Environmen	ıtal Lab, l	L.P.				
<b>General Chemistry Parameters by EPA</b>	/ Standard Methods	1							
% Moisture	2.0	0.1	%	1	P0L0704	12/07/20	12/07/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 801	5M							
C6-C12	ND	25.5	mg/kg dry	1	P0L0711	12/07/20	12/08/20	TPH 8015M	
>C12-C28	224	25.5	mg/kg dry	1	P0L0711	12/07/20	12/08/20	TPH 8015M	
>C28-C35	126	25.5	mg/kg dry	1	P0L0711	12/07/20	12/08/20	TPH 8015M	
Surrogate: 1-Chlorooctane		99.9 %	70-1.	30	P0L0711	12/07/20	12/08/20	TPH 8015M	
Surrogate: o-Terphenyl		106 %	70-1.	30	P0L0711	12/07/20	12/08/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	350	25.5	mg/kg dry	1	[CALC]	12/07/20	12/08/20	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-32 @4.5' 0L04004-02 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Methods	1						
% Moisture	2.0	0.1	%	1	P0L0704	12/07/20	12/07/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801	5M						
C6-C12	ND	25.5	mg/kg dry	1	P0L0711	12/07/20	12/08/20	TPH 8015M
>C12-C28	487	25.5	mg/kg dry	1	P0L0711	12/07/20	12/08/20	TPH 8015M
>C28-C35	214	25.5	mg/kg dry	1	P0L0711	12/07/20	12/08/20	TPH 8015M
Surrogate: 1-Chlorooctane		105 %	70-130		P0L0711	12/07/20	12/08/20	TPH 8015M
Surrogate: o-Terphenyl		112 %	70-130		P0L0711	12/07/20	12/08/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	701	25.5	mg/kg dry	1	[CALC]	12/07/20	12/08/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-26 @4.5' 0L04004-03 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Method	s						
% Moisture	1.0	0.1	%	1	P0L0704	12/07/20	12/07/20	ASTM D2216
<b>Total Petroleum Hydrocarbons C6-C3</b>	5 by EPA Method 80	15M						
C6-C12	ND	25.3	mg/kg dry	1	P0L0711	12/07/20	12/08/20	TPH 8015M
>C12-C28	192	25.3	mg/kg dry	1	P0L0711	12/07/20	12/08/20	TPH 8015M
>C28-C35	82.1	25.3	mg/kg dry	1	P0L0711	12/07/20	12/08/20	TPH 8015M
Surrogate: 1-Chlorooctane		98.1 %	70-130		P0L0711	12/07/20	12/08/20	TPH 8015M
Surrogate: o-Terphenyl		104 %	70-130		P0L0711	12/07/20	12/08/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	274	25.3	mg/kg dry	1	[CALC]	12/07/20	12/08/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

> BH-37 @4.5' 0L04004-04 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

General Chemistry Parameters by EP.	A / Standard Methods	S						
% Moisture	1.0	0.1	%	1	P0L0704	12/07/20	12/07/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801	5M						
C6-C12	ND	25.3	mg/kg dry	1	P0L0711	12/07/20	12/08/20	TPH 8015M
>C12-C28	242	25.3	mg/kg dry	1	P0L0711	12/07/20	12/08/20	TPH 8015M
>C28-C35	122	25.3	mg/kg dry	1	P0L0711	12/07/20	12/08/20	TPH 8015M
Surrogate: 1-Chlorooctane		98.2 %	70-130		P0L0711	12/07/20	12/08/20	TPH 8015M
Surrogate: o-Terphenyl		103 %	70-130		P0L0711	12/07/20	12/08/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	364	25.3	mg/kg dry	1	[CALC]	12/07/20	12/08/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-21 @4.5' 0L04004-05 (Soil)

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

<b>General Chemistry Parameters by EP</b>	A / Standard Methods	1						
% Moisture	3.0	0.1	%	1	P0L0704	12/07/20	12/07/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801	5M						
C6-C12	ND	25.8	mg/kg dry	1	P0L0711	12/07/20	12/08/20	TPH 8015M
>C12-C28	639	25.8	mg/kg dry	1	P0L0711	12/07/20	12/08/20	TPH 8015M
>C28-C35	310	25.8	mg/kg dry	1	P0L0711	12/07/20	12/08/20	TPH 8015M
Surrogate: 1-Chlorooctane		107 %	70-130		P0L0711	12/07/20	12/08/20	TPH 8015M
Surrogate: o-Terphenyl		113 %	70-130		P0L0711	12/07/20	12/08/20	TPH 8015M
Total Petroleum Hydrocarbon	949	25.8	mg/kg dry	1	[CALC]	12/07/20	12/08/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-27 @4.5' 0L04004-06 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Methods							
% Moisture	2.0	0.1	%	1	P0L0704	12/07/20	12/07/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801:	5M						
C6-C12	ND	25.5	mg/kg dry	1	P0L0711	12/07/20	12/08/20	TPH 8015M
>C12-C28	782	25.5	mg/kg dry	1	P0L0711	12/07/20	12/08/20	TPH 8015M
>C28-C35	405	25.5	mg/kg dry	1	P0L0711	12/07/20	12/08/20	TPH 8015M
Surrogate: 1-Chlorooctane		106 %	70-130		P0L0711	12/07/20	12/08/20	TPH 8015M
Surrogate: o-Terphenyl		113 %	70-130		P0L0711	12/07/20	12/08/20	TPH 8015M
Total Petroleum Hydrocarbon	1190	25.5	mg/kg dry	1	[CALC]	12/07/20	12/08/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Sylwia Reynolds

BH-62 @4.5' 0L04004-07 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Methods							
% Moisture	5.0	0.1	%	1	P0L0704	12/07/20	12/07/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801	5M						
C6-C12	ND	26.3	mg/kg dry	1	P0L0711	12/07/20	12/08/20	TPH 8015M
>C12-C28	279	26.3	mg/kg dry	1	P0L0711	12/07/20	12/08/20	TPH 8015M
>C28-C35	154	26.3	mg/kg dry	1	P0L0711	12/07/20	12/08/20	TPH 8015M
Surrogate: 1-Chlorooctane		103 %	70-130		P0L0711	12/07/20	12/08/20	TPH 8015M
Surrogate: o-Terphenyl		109 %	70-130		P0L0711	12/07/20	12/08/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	433	26.3	mg/kg dry	1	[CALC]	12/07/20	12/08/20	calc

C6-C35

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

**Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M** 

Fax:

### BH-48 @4.5' 0L04004-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes			
Permian Basin Environmental Lab, L.P.												
General Chemistry Parameters by EPA / Standard Methods												
% Moisture	9.0	0.1	%	1	P0L0704	12/07/20	12/07/20	ASTM D2216				

C6-C12	ND	27.5	mg/kg dry	1	P0L0711	12/07/20	12/08/20	TPH 8015M	
>C12-C28	66.0	27.5 r	mg/kg dry	1	P0L0711	12/07/20	12/08/20	TPH 8015M	
>C28-C35	34.5	27.5 r	mg/kg dry	1	P0L0711	12/07/20	12/08/20	TPH 8015M	
Surrogate: 1-Chlorooctane		108 %	70-130		P0L0711	12/07/20	12/08/20	TPH 8015M	
Surrogate: o-Terphenyl		114 %	70-130		P0L0711	12/07/20	12/08/20	TPH 8015M	
Total Petroleum Hydrocarbon	100	27.5	mg/kg dry	1	[CALC]	12/07/20	12/08/20	calc	

Permian Basin Environmental Lab, L.P.

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

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

> BH-46 @4.5' 0L04004-09 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Methods	S						
% Moisture	7.0	0.1	%	1	P0L0704	12/07/20	12/07/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801	15M						
C6-C12	ND	134	mg/kg dry	5	P0L0711	12/07/20	12/08/20	TPH 8015M
>C12-C28	4590	134	mg/kg dry	5	P0L0711	12/07/20	12/08/20	TPH 8015M
>C28-C35	1360	134	mg/kg dry	5	P0L0711	12/07/20	12/08/20	TPH 8015M
Surrogate: 1-Chlorooctane		103 %	70-130		P0L0711	12/07/20	12/08/20	TPH 8015M
Surrogate: o-Terphenyl		112 %	70-130		P0L0711	12/07/20	12/08/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	5940	134	mg/kg dry	5	[CALC]	12/07/20	12/08/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-86 @4.5' 0L04004-10 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Methods	1						
% Moisture	3.0	0.1	%	1	P0L0704	12/07/20	12/07/20	ASTM D2216
<b>Total Petroleum Hydrocarbons C6-C3</b>	5 by EPA Method 801	5M						
C6-C12	ND	25.8	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M
>C12-C28	333	25.8	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M
>C28-C35	205	25.8	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M
Surrogate: 1-Chlorooctane		100 %	70-130		P0L0712	12/07/20	12/08/20	TPH 8015M
Surrogate: o-Terphenyl		112 %	70-130		P0L0712	12/07/20	12/08/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	538	25.8	mg/kg dry	1	[CALC]	12/07/20	12/08/20	calc

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

### BH-14 @4.5' 0L04004-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Permian	ı Basin Eı	ıvironme	ntal Lab, L	.Р.				

General Chemistry Parameters by EPA	<u> A / Standard Methods</u>							
% Moisture	3.0	0.1	%	1	P0L0704	12/07/20	12/07/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C35	5 by EPA Method 801	5M						
C6-C12	ND	25.8	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M
>C12-C28	347	25.8	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M
>C28-C35	193	25.8	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M
Surrogate: 1-Chlorooctane		101 %	70-130		P0L0712	12/07/20	12/08/20	TPH 8015M
Surrogate: o-Terphenyl		108 %	70-130		P0L0712	12/07/20	12/08/20	TPH 8015M
Total Petroleum Hydrocarbon	540	25.8	mg/kg dry	1	[CALC]	12/07/20	12/08/20	calc
C6-C35								

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-57 @4.5' 0L04004-12 (Soil)

									1
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Methods								
% Moisture	6.0	0.1	%	1	P0L0704	12/07/20	12/07/20	ASTM D2216	
<b>Total Petroleum Hydrocarbons C6-C3</b>	5 by EPA Method 801	5M							
C6-C12	ND	26.6	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M	
>C12-C28	301	26.6	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M	
>C28-C35	180	26.6	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M	
Surrogate: 1-Chlorooctane		98.7 %	70-130		P0L0712	12/07/20	12/08/20	TPH 8015M	
Surrogate: o-Terphenyl		109 %	70-130		P0L0712	12/07/20	12/08/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	481	26.6	mg/kg dry	1	[CALC]	12/07/20	12/08/20	calc	

Surrogate: o-Terphenyl

C6-C35

**Total Petroleum Hydrocarbon** 

Dean Project: Plains Artesia Gathering East

1030

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

TPH 8015M

calc

### BH-49 @4.5' 0L04004-13 (Soil)

	D. I.	Reporting	TT '4	D'L c'	D . 1	D 1		M (1 1	NI 4
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Permi	an Basin F	Environme	ntal Lab,	L.P.				
<b>General Chemistry Parameters by</b>	EPA / Standard Methods								
% Moisture	7.0	0.1	%	1	P0L0704	12/07/20	12/07/20	ASTM D2216	
Total Petroleum Hydrocarbons C6	5-C35 by EPA Method 801	5M							
C6-C12	ND	26.9	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M	
>C12-C28	668	26.9	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M	
>C28-C35	357	26.9	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M	
Surrogate: 1-Chlorooctane		100 %	70-	130	P0L0712	12/07/20	12/08/20	TPH 8015M	

70-130

112 %

26.9 mg/kg dry

12/07/20

12/07/20

12/08/20

12/08/20

P0L0712

[CALC]

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-45 @4.5' 0L04004-14 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Methods	5						
% Moisture	5.0	0.1	%	1	P0L0704	12/07/20	12/07/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801	5M						
C6-C12	ND	26.3	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M
>C12-C28	338	26.3	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M
>C28-C35	154	26.3	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M
Surrogate: 1-Chlorooctane		102 %	70-130		P0L0712	12/07/20	12/08/20	TPH 8015M
Surrogate: o-Terphenyl		113 %	70-130		P0L0712	12/07/20	12/08/20	TPH 8015M
Total Petroleum Hydrocarbon	492	26.3	mg/kg dry	1	[CALC]	12/07/20	12/08/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-90 @4.5' 0L04004-15 (Soil)

									1
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Methods							
% Moisture	2.0	0.1	%	1	P0L0704	12/07/20	12/07/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C3:	5 by EPA Method 801	5M						
C6-C12	ND	25.5	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M
>C12-C28	625	25.5	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M
>C28-C35	274	25.5	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M
Surrogate: 1-Chlorooctane		101 %	70-130		P0L0712	12/07/20	12/08/20	TPH 8015M
Surrogate: o-Terphenyl		112 %	70-130		P0L0712	12/07/20	12/08/20	TPH 8015M
Total Petroleum Hydrocarbon	899	25.5	mg/kg dry	1	[CALC]	12/07/20	12/08/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-52 @4.5' 0L04004-16 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Methods	š						
% Moisture	8.0	0.1	%	1	P0L0704	12/07/20	12/07/20	ASTM D2216
<b>Total Petroleum Hydrocarbons C6-C3</b>	5 by EPA Method 801	5M						
C6-C12	ND	27.2	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M
>C12-C28	754	27.2	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M
>C28-C35	354	27.2	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M
Surrogate: 1-Chlorooctane		100 %	70-130		P0L0712	12/07/20	12/08/20	TPH 8015M
Surrogate: o-Terphenyl		109 %	70-130		P0L0712	12/07/20	12/08/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	1110	27.2	mg/kg dry	1	[CALC]	12/07/20	12/08/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-61 @4.5' 0L04004-17 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

General Chemistry Parameters by EPA / Standard Methods											
% Moisture	5.0	0.1	%	1	P0L0704	12/07/20	12/07/20	ASTM D2216			
<b>Total Petroleum Hydrocarbons C6-C35</b>	by EPA Method 801:	5M									
C6-C12	ND	26.3	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M			
>C12-C28	314	26.3	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M			
>C28-C35	151	26.3	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M			
Surrogate: 1-Chlorooctane		95.3 %	70-130		P0L0712	12/07/20	12/08/20	TPH 8015M			
Surrogate: o-Terphenyl		104 %	70-130		P0L0712	12/07/20	12/08/20	TPH 8015M			
Total Petroleum Hydrocarbon C6-C35	465	26.3	mg/kg dry	1	[CALC]	12/07/20	12/08/20	calc			

**Total Petroleum Hydrocarbon** 

C6-C35

Dean Project: Plains Artesia Gathering East

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12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

a Gathering East Fax:

### BH-9 @4.5' 0L04004-18 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Permi	an Basin I	Environmen	ıtal Lab,	L.P.				
<b>General Chemistry Parameters by</b>	y EPA / Standard Methods								
% Moisture	3.0	0.1	%	1	P0L0704	12/07/20	12/07/20	ASTM D2216	
Total Petroleum Hydrocarbons Co	6-C35 by EPA Method 801	5M							
C6-C12	ND	25.8	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M	
>C12-C28	184	25.8	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M	
>C28-C35	88.3	25.8	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M	
Surrogate: 1-Chlorooctane		104 %	70-1.	30	P0L0712	12/07/20	12/08/20	TPH 8015M	
Surrogate: o-Terphenyl		111 %	70-1	30	P0L0712	12/07/20	12/08/20	TPH 8015M	

25.8 mg/kg dry

[CALC]

12/07/20

12/08/20

calc

12600 W County Rd 91 Project Number: PP-2075 Midland TX, 79707 Project Manager: Sylwia Reynolds Fax:

### BH-67 @4.5' 0L04004-19 (Soil)

Analyte	Result	eporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Permian l	Basin En	vironmen	tal Lab, L.	Р.				

General Chemistry Parameters by EPA / Standard Methods											
% Moisture	6.0	0.1	%	1	P0L0704	12/07/20	12/07/20	ASTM D2216			
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 8015M	Л									
C6-C12	ND	26.6	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M			
>C12-C28	475	26.6	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M			
>C28-C35	240	26.6	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M			
Surrogate: 1-Chlorooctane		100 %	70-130		P0L0712	12/07/20	12/08/20	TPH 8015M			
Surrogate: o-Terphenyl		110 %	70-130		P0L0712	12/07/20	12/08/20	TPH 8015M			
Total Petroleum Hydrocarbon C6-C35	715	26.6	mg/kg dry	1	[CALC]	12/07/20	12/08/20	calc			

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-89 @4.5' 0L04004-20 (Soil)

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

<b>General Chemistry Parameters by EP</b>	A / Standard Methods	i						
% Moisture	5.0	0.1	%	1	P0L0704	12/07/20	12/07/20	ASTM D2216
<b>Total Petroleum Hydrocarbons C6-C3</b>	5 by EPA Method 801	5M						
C6-C12	ND	26.3	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M
>C12-C28	108	26.3	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M
>C28-C35	50.2	26.3	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M
Surrogate: 1-Chlorooctane		98.1 %	70-130		P0L0712	12/07/20	12/08/20	TPH 8015M
Surrogate: o-Terphenyl		105 %	70-130		P0L0712	12/07/20	12/08/20	TPH 8015M
Total Petroleum Hydrocarbon	158	26.3	mg/kg dry	1	[CALC]	12/07/20	12/08/20	calc

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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### BH-50 @4.5' 0L04004-21 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EP</b>	A / Standard Methods	i						
% Moisture	8.0	0.1	%	1	P0L0704	12/07/20	12/07/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801	5M						
C6-C12	ND	27.2	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M
>C12-C28	93.1	27.2	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M
>C28-C35	50.2	27.2	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M
Surrogate: 1-Chlorooctane		92.8 %	70-130		P0L0712	12/07/20	12/08/20	TPH 8015M
Surrogate: o-Terphenyl		102 %	70-130		P0L0712	12/07/20	12/08/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	143	27.2	mg/kg dry	1	[CALC]	12/07/20	12/08/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-54 @4.5' 0L04004-22 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EPA</b>	A / Standard Methods	i						
% Moisture	7.0	0.1	%	1	P0L0704	12/07/20	12/07/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C3:	5 by EPA Method 801	5M						
C6-C12	ND	26.9	mg/kg dry	1	P0L0712	12/07/20	12/09/20	TPH 8015M
>C12-C28	395	26.9	mg/kg dry	1	P0L0712	12/07/20	12/09/20	TPH 8015M
>C28-C35	292	26.9	mg/kg dry	1	P0L0712	12/07/20	12/09/20	TPH 8015M
Surrogate: 1-Chlorooctane		102 %	70-130		P0L0712	12/07/20	12/09/20	TPH 8015M
Surrogate: o-Terphenyl		111 %	70-130		P0L0712	12/07/20	12/09/20	TPH 8015M
Total Petroleum Hydrocarbon	687	26.9	mg/kg dry	1	[CALC]	12/07/20	12/09/20	calc

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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BH-58 @4.5' 0L04004-23 (Soil)

									1
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

<b>General Chemistry Parameters by EPA</b>	A / Standard Methods	S						
% Moisture	6.0	0.1	%	1	P0L0704	12/07/20	12/07/20	ASTM D2216
Total Petroleum Hydrocarbons C6-C3	5 by EPA Method 801	15M						
C6-C12	ND	26.6	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M
>C12-C28	133	26.6	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M
>C28-C35	62.8	26.6	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M
Surrogate: 1-Chlorooctane		94.0 %	70-130		P0L0712	12/07/20	12/08/20	TPH 8015M
Surrogate: o-Terphenyl		103 %	70-130		P0L0712	12/07/20	12/08/20	TPH 8015M
Total Petroleum Hydrocarbon	196	26.6	mg/kg dry	1	[CALC]	12/07/20	12/08/20	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

ESW B-2 @3.5' 0L04004-24 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin E	Environme	ntal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P0L1004	12/10/20	12/11/20	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P0L1004	12/10/20	12/11/20	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0L1004	12/10/20	12/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P0L1004	12/10/20	12/11/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0L1004	12/10/20	12/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		94.1 %	80-1	20	P0L1004	12/10/20	12/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.5 %	80-1	20	P0L1004	12/10/20	12/11/20	EPA 8021B	
General Chemistry Parameters by EPA /	Standard Method	ds							
Chloride	5.31	1.02	mg/kg dry	1	P0L0706	12/07/20	12/09/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0L0704	12/07/20	12/07/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 b	oy EPA Method 80	)15M							
C6-C12	ND	25.5	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M	
Surrogate: 1-Chlorooctane		97.1 %	70-1	30	P0L0712	12/07/20	12/08/20	TPH 8015M	
Surrogate: o-Terphenyl		108 %	70-1	30	P0L0712	12/07/20	12/08/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	12/07/20	12/08/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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### NSW C-2 @3.5' 0L04004-25 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environmen	tal Lab, l	L <b>.P.</b>				
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P0L1004	12/10/20	12/11/20	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P0L1004	12/10/20	12/11/20	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0L1004	12/10/20	12/11/20	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P0L1004	12/10/20	12/11/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0L1004	12/10/20	12/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		104 %	80-12	20	P0L1004	12/10/20	12/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		91.9 %	80-12	20	P0L1004	12/10/20	12/11/20	EPA 8021B	
General Chemistry Parameters by EP	PA / Standard Method	ls							
Chloride	20.3	1.02	mg/kg dry	1	P0L0706	12/07/20	12/09/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0L0704	12/07/20	12/07/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C3	35 by EPA Method 80	15M							
C6-C12	ND	25.5	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M	
>C12-C28	395	25.5	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M	
>C28-C35	167	25.5	mg/kg dry	1	P0L0712	12/07/20	12/08/20	TPH 8015M	
Surrogate: 1-Chlorooctane		96.3 %	70-1.	30	P0L0712	12/07/20	12/08/20	TPH 8015M	
Surrogate: o-Terphenyl		104 %	70-1.	30	P0L0712	12/07/20	12/08/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	562	25.5	mg/kg dry	1	[CALC]	12/07/20	12/08/20	calc	

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0L1004 - General Preparation (GC)										
<u> </u>				D 1.	0/10/00	1 1	/11/00			
Blank (P0L1004-BLK1)				Prepared: 1	2/10/20 At	nalyzed: 12	//11/20			
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100								
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	.,							
Xylene (o)	ND	0.00100								
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.113		"	0.120		94.5	80-120			
LCS (P0L1004-BS1)				Prepared: 1	2/10/20 At	nalyzed: 12	/11/20			
Benzene	0.111	0.00100	mg/kg wet	0.100		111	70-130			
Toluene	0.0994	0.00100	"	0.100		99.4	70-130			
Ethylbenzene	0.108	0.00100	"	0.100		108	70-130			
Xylene (p/m)	0.197	0.00200	"	0.200		98.6	70-130			
Xylene (o)	0.0992	0.00100	"	0.100		99.2	70-130			
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	80-120			
LCS Dup (P0L1004-BSD1)				Prepared: 1	2/10/20 At	nalyzed: 12	/11/20			
Benzene	0.112	0.00100	mg/kg wet	0.100		112	70-130	1.49	20	
Toluene	0.103	0.00100	"	0.100		103	70-130	3.88	20	
Ethylbenzene	0.111	0.00100	"	0.100		111	70-130	2.89	20	
Xylene (p/m)	0.208	0.00200	"	0.200		104	70-130	5.10	20	
Xylene (o)	0.103	0.00100	"	0.100		103	70-130	3.89	20	
Surrogate: 4-Bromofluorobenzene	0.135		"	0.120		113	80-120			
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	80-120			
Calibration Blank (P0L1004-CCB1)				Prepared: 1	2/10/20 At	nalyzed: 12	/11/20			
Benzene	0.00		mg/kg wet			<del>-</del>				
Toluene	0.800		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.118		"	0.120		98.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	80-120			

Permian Basin Environmental Lab, L.P.

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

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

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

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

Septemble   0.00   0.	Batch P0L1004 - General Preparation (G	GC)					
Septence   0.00	Calibration Blank (P0L1004-CCB2)				Prepared: 12/10	/20 Analyzed: 12	/11/20
Section   Sect	Benzene	0.00		mg/kg wet		-	
	Toluene	0.860		"			
Section   Sect	Ethylbenzene	0.00		"			
	Xylene (p/m)	0.00		"			
alibration Check (POL1004-CCV1)  Enzene 0.111 0.00100 mg/kg wet 0.100 111 80-120 hthylbenzene 0.110 0.00100 " 0.100 110 80-120 hthylbenzene 0.110 0.00100 " 0.100 110 80-120 hthylbenzene 0.110 0.00100 " 0.100 110 80-120 hthylbenzene 0.110 0.00100 " 0.100 110 80-120 hthylbenzene 0.110 0.00100 " 0.100 110 80-120 hthylbenzene 0.110 0.00100 " 0.100 110 80-120 hthylbenzene 0.124 0.00100 " 0.100 110 80-120 hthylbenzene 0.124 0.00100 " 0.100 110 80-120 hthylbenzene 0.124 0.00100 " 0.100 110 80-120 https://doi.org/10.00100 110 80-120 htt	Xylene (o)	0.00		"			
Prepared: 12/10/20   Analyzed: 12/11/20   Analyze	Surrogate: 4-Bromofluorobenzene	0.119		"	0.120	99.5	80-120
	Surrogate: 1,4-Difluorobenzene	0.119		"	0.120	98.8	80-120
Soluene   0.100   0.00100   "   0.100   100   80-120   100	Calibration Check (P0L1004-CCV1)				Prepared: 12/10/	/20 Analyzed: 12	/11/20
thylbenzene 0.110 0.00100 " 0.100 110 80-120 ylene (p/m) 0.199 0.00200 " 0.200 99.4 80-120 ylene (p/m) 0.104 0.00100 " 0.100 104 80-120 ylene (p/m) 0.104 0.00100 " 0.100 104 80-120 ylene (p/m) 0.124 " 0.120 99.8 75-125 yrogate: 4-Bromofluorobenzene 0.124 " 0.120 103 75-125 yrogate: 4-Bromofluorobenzene 0.111 0.00100 mg/kg wet 0.100 111 80-120 ylene (p/m) 0.0099 0.00100 " 0.100 99.9 80-120 ylene (p/m) 0.100 0.00200 " 0.100 107 80-120 ylene (p/m) 0.100 0.00100 " 0.100 107 80-120 ylene (p/m) 0.100 0.00100 " 0.100 104 80-120 ylene (p/m) 0.100 0.00100 " 0.100 104 80-120 ylene (p/m) 0.100 0.00100 " 0.100 0.00100 " 0.100 104 80-120 ylene (p/m) 0.100 0.00100 " 0.100 0.00100 " 0.100 0.00100 ylene (p/m) 0.100 0.00100 " 0.100 0.00100 " 0.100 0.00100 ylene (p/m) 0.100 0.00100 " 0.100 0.00100 " 0.100 0.00100 ylene (p/m) 0.100 0.00100 " 0.100 0.00100 " 0.100 0.00100 ylene (p/m) 0.00100 " 0.100 0.00100 " 0.100 0.00100 ylene (p/m) 0.100 0.00100 " 0.100 0.00100 ylene (p/m) 0.100 0.00100 " 0.100 0.00100 " 0.100 0.00100 ylene (p/m) 0.100 0.00100 " 0.100 0.00100 " 0.100 0.00100 ylene (p/m) 0.100 0.00100 " 0.100 0.00100 0.00100 ylene (p/m) 0.100 0.1	Benzene	0.111	0.00100	mg/kg wet	0.100	111	80-120
ylene (p/m)	Toluene	0.100	0.00100	"	0.100	100	80-120
ylene (o) 0.104 0.00100 " 0.100 104 80-120 wrogate: 1,4-Diffuorobenzene 0.120 " 0.120 99.8 75-125 wrogate: 4-Bromofluorobenzene 0.124 " 0.120 103 75-125 wrogate: 4-Bromofluorobenzene 0.111 0.00100 mg/kg wet 0.100 111 80-120 wrogate: 1,4-Diffuorobenzene 0.111 0.00100 mg/kg wet 0.100 111 80-120 wrogate: 1,4-Diffuorobenzene 0.107 0.00100 " 0.100 107 80-120 wrogate: 1,4-Diffuorobenzene 0.107 0.00100 " 0.100 107 80-120 wrogate: 1,4-Diffuorobenzene 0.123 " 0.120 103 75-125 wrogate: 1,4-Diffuorobenzene 0.123 " 0.120 103 75-125 wrogate: 1,4-Diffuorobenzene 0.123 " 0.120 103 75-125 wrogate: 1,4-Diffuorobenzene 0.120 " 0.100 104 80-120 wrogate: 1,4-Diffuorobenzene 0.120 " 0.120 99.6 75-125 wrogate: 4-Bromofluorobenzene 0.130 0.00100 " 0.100 107 80-120 wrogate: 4-Bromofluorobenzene 0.113 0.00100 " 0.100 113 80-120 wrogate: 4-Bromofluorobenzene 0.113 0.00100 " 0.100 113 80-120 wrogate: 4-Bromofluorobenzene 0.113 0.00100 " 0.100 113 80-120 wrogate: 4-Bromofluorobenzene 0.113 0.00100 " 0.100 113 80-120 wrogate: 4-Bromofluorobenzene 0.113 0.00100 " 0.100 113 80-120 wrogate: 4-Bromofluorobenzene 0.113 0.00100 " 0.100 113 80-120 wrogate: 4-Bromofluorobenzene 0.113 0.00100 " 0.100 114 80-120 wrogate: 4-Bromofluorobenzene 0.120 " 0.120 98.1 80-120 wrogate: 4-Bromofluorobenzene 0.122 " 0.120 98.1 80-120 wrogate: 4-Bromofluorobenzene 0.122 " 0.120 101 75-125 wrogate: 4-Bromofluorobenzene 0.122 " 0.120 101 75-125 wrogate: 4-Bromofluorobenzene 0.122 " 0.120 101 75-125 wrogate: 4-Bromofluorobenzene 0.122 " 0.120 101 75-125 wrogate: 4-Bromofluorobenzene 0.122 " 0.120 101 75-125 wrogate: 4-Bromofluorobenzene 0.122 " 0.120 101 75-125 wrogate: 4-Bromofluorobenzene 0.122 " 0.120 101 75-125 wrogate: 4-Bromofluorobenzene 0.122 " 0.120 101 75-125 wrogate: 4-Bromofluorobenzene 0.122 " 0.120 101 75-125 wrogate: 4-Bromofluorobenzene 0.122 " 0.120 101 75-125 wrogate: 4-Bromofluorobenzene 0.122 " 0.120 101 75-125 wrogate: 4-Bromofluorobenzene 0.122 " 0.120 101 75-125 wrogate: 4-Bromofluorobenzene 0.122 " 0.120 101 75-125 wrogate: 4-Bromofluorobenz	thylbenzene	0.110	0.00100	"	0.100	110	80-120
rangate: 1,4-Difluorobenzene 0.120 " 0.120 99.8 75-125 rangate: 4-Bromofluorobenzene 0.124 " 0.120 103 75-125 rangate: 4-Bromofluorobenzene 0.124 " 0.120 103 75-125 rangate: 4-Bromofluorobenzene 0.111 0.00100 mg/kg wet 0.100 111 80-120 rangate: 1.4-Difluorobenzene 0.0999 0.00100 " 0.100 99.9 80-120 rangate: 1.4-Difluorobenzene 0.107 0.00100 " 0.100 107 80-120 rangate: 1.4-Difluorobenzene 0.123 " 0.120 103 75-125 rangate: 4-Bromofluorobenzene 0.123 " 0.120 103 75-125 rangate: 4-Bromofluorobenzene 0.123 " 0.120 103 75-125 rangate: 4-Bromofluorobenzene 0.123 " 0.120 103 75-125 rangate: 4-Bromofluorobenzene 0.123 " 0.120 103 75-125 rangate: 4-Bromofluorobenzene 0.120 " 0.00100 mg/kg wet 0.100 107 80-120 rangate: 4-Bromofluorobenzene 0.103 0.00100 mg/kg wet 0.100 107 80-120 rangate: 4-Bromofluorobenzene 0.113 0.00100 mg/kg wet 0.100 103 80-120 rangate: 4-Bromofluorobenzene 0.113 0.00100 " 0.100 113 80-120 rangate: 4-Bromofluorobenzene 0.113 0.00100 " 0.100 113 80-120 rangate: 4-Bromofluorobenzene 0.114 0.00100 " 0.100 104 80-120 rangate: 4-Bromofluorobenzene 0.122 " 0.120 98.1 80-120 rangate: 4-Bromofluorobenzene 0.122 " 0.120 104 80-120 rangate: 4-Bromofluorobenzene 0.122 " 0.120 104 80-120 rangate: 4-Bromofluorobenzene 0.122 " 0.120 104 80-120 rangate: 4-Bromofluorobenzene 0.122 " 0.120 104 80-120 rangate: 4-Bromofluorobenzene 0.122 " 0.120 104 80-120 rangate: 4-Bromofluorobenzene 0.122 " 0.120 104 80-120 rangate: 4-Bromofluorobenzene 0.122 " 0.120 104 80-120 rangate: 4-Bromofluorobenzene 0.122 " 0.120 104 80-120 rangate: 4-Bromofluorobenzene 0.122 " 0.120 104 80-120 rangate: 4-Bromofluorobenzene 0.122 " 0.120 104 80-120 rangate: 4-Bromofluorobenzene 0.122 " 0.120 104 80-120 rangate: 4-Bromofluorobenzene 0.122 " 0.120 104 80-120 rangate: 4-Bromofluorobenzene 0.122 " 0.120 104 80-120 rangate: 4-Bromofluorobenzene 0.122 " 0.120 104 80-120 rangate: 4-Bromofluorobenzene 0.122 " 0.120 104 80-120 rangate: 4-Bromofluorobenzene 0.122 " 0.120 104 80-120 rangate: 4-Bromofluorobenzene 0.122 " 0.120 104 80-120 rangate: 4-Brom	Kylene (p/m)	0.199	0.00200	"	0.200	99.4	80-120
### 1725 ### 1726 ### 1727 ## 1720 #### 1720 #### 1720 ### 1720 #### 1720 #### 1720 #### 1720 #### 1720 #### 1720 #### 1720 #### 1720 #### 1720 #### 1720 #### 1720 #### 1720 #### 1720 #### 1720 #### 1720 #### 1720 #### 1720 #### 1720 ##### 1720 ##### 1720 ##### 1720 ##### 1720 ##### 1720 ##### 1720 ##### 1720 ##### 1720 ##### 1720 ##### 1720 ##### 1720 ###### 1720 ####### 1720 ####################################	ylene (o)	0.104	0.00100	"	0.100	104	80-120
Prepared: 12/10/20   Analyzed: 12/11/20	urrogate: 1,4-Difluorobenzene	0.120		"	0.120	99.8	75-125
Note   Note	rrogate: 4-Bromofluorobenzene	0.124		"	0.120	103	75-125
Note   Note	alibration Check (P0L1004-CCV2)				Prepared: 12/10	/20 Analyzed: 12	/11/20
thylbenzene 0.107 0.00100 " 0.100 107 80-120 ylene (p/m) 0.190 0.00200 " 0.200 95.2 80-120 ylene (o) 0.104 0.00100 " 0.100 104 80-120 ylene (p/m) 0.123 " 0.120 103 75-125 ylenge: 4-Bromofluorobenzene 0.123 " 0.120 99.6 75-125 alibration Check (P0L1004-CCV3) Prepared: 12/10/20 Analyzed: 12/11/20 enzene 0.103 0.00100 mg/kg wet 0.100 107 80-120 ylene (p/m) 0.113 0.00100 " 0.100 113 80-120 ylene (p/m) 0.196 0.00200 " 0.200 98.1 80-120 ylene (o) 0.104 0.00100 " 0.100 104 80-120 ylene (o) 0.104 0.00100 " 0.100 104 80-120 ylene (o) 0.104 0.00100 " 0.100 104 80-120 ylene (o) 0.104 0.00100 " 0.100 104 80-120 ylene (o) 0.104 0.00100 " 0.100 104 80-120 ylene (o) 0.104 0.00100 " 0.100 104 75-125	enzene	0.111	0.00100	mg/kg wet	0.100	111	80-120
Section   Sect	luene	0.0999	0.00100	"	0.100	99.9	80-120
Alibration Check (POL1004-CCV3)  Indicate (p/m	hylbenzene	0.107	0.00100	"	0.100	107	80-120
Prepared: 12/10/20 Analyzed: 12/11/20 Prepared: 12/10/20 Analyzed: 12/11/20 Prepared: 0.103 0.00100 mg/kg wet 0.100 107 80-120 Prepared: 0.103 0.00100 " 0.100 103 80-120 Prepared: 0.103 0.00100 " 0.100 113 80-120 Prepared: 0.104 0.00100 " 0.100 113 80-120 Prepared: 0.105 0.00200 " 0.200 98.1 80-120 Prepared: 0.105 0.00200 " 0.200 98.1 80-120 Prepared: 4-Bromofluorobenzene 0.122 " 0.120 101 75-125	ylene (p/m)	0.190	0.00200	"	0.200	95.2	80-120
### dibration Check (P0L1004-CCV3)  #### alibration Check (P0L1004-CCV3)  ###################################	ylene (o)	0.104	0.00100	"	0.100	104	80-120
Alibration Check (P0L1004-CCV3)  Prepared: 12/10/20 Analyzed: 12/11/20  Prepared: 12/10/20 Analyzed: 12/10/20  Prepared: 12/10/20 Analyzed: 12/10/20  Prepared: 12/10/20 Analyzed: 12/10/20  Prepared: 12/10/20 Analyzed: 12/10/20  Prepared: 12/10/20 Analyzed: 12/10/20  Prepared: 12/10/20 Analyzed: 12/10/20  Prepared: 12/10/20 Analyzed: 12/10/20  Prepared: 12/10/20 Analy	urrogate: 1,4-Difluorobenzene	0.123		"	0.120	103	75-125
0.107   0.00100   mg/kg wet   0.100   107   80-120	rrogate: 4-Bromofluorobenzene	0.120		"	0.120	99.6	75-125
oluene     0.103     0.00100     "     0.100     103     80-120       chylbenzene     0.113     0.00100     "     0.100     113     80-120       cylene (p/m)     0.196     0.00200     "     0.200     98.1     80-120       cylene (o)     0.104     0.00100     "     0.100     104     80-120       cyrrogate: 4-Bromofluorobenzene     0.122     "     0.120     101     75-125	alibration Check (P0L1004-CCV3)				Prepared: 12/10/	/20 Analyzed: 12	/11/20
thylbenzene 0.113 0.00100 " 0.100 113 80-120 ylene (p/m) 0.196 0.00200 " 0.200 98.1 80-120 ylene (o) 0.104 0.00100 " 0.100 104 80-120 ylene (3 0.122 " 0.120 101 75-125	enzene	0.107	0.00100	mg/kg wet	0.100	107	80-120
ylene (p/m) 0.196 0.00200 " 0.200 98.1 80-120 ylene (o) 0.104 0.00100 " 0.100 104 80-120 ylene (2-4-Bromofluorobenzene 0.122 " 0.120 101 75-125	bluene	0.103	0.00100	"	0.100	103	80-120
ylene (o) 0.104 0.00100 " 0.100 104 80-120 urrogate: 4-Bromofluorobenzene 0.122 " 0.120 101 75-125	thylbenzene	0.113	0.00100	"	0.100	113	80-120
urrogate: 4-Bromofluorobenzene 0.122 " 0.120 101 75-125	ylene (p/m)	0.196	0.00200	"	0.200	98.1	80-120
Trogue: 4-Dromojimorobenzene 0.122 0.120 101 /3-123	vlene (o)	0.104	0.00100	"	0.100	104	80-120
urrogate: 1,4-Difluorobenzene 0.125 " 0.120 104 75-125	urrogate: 4-Bromofluorobenzene	0.122		"	0.120	101	75-125
	Gurrogate: 1,4-Difluorobenzene	0.125		"	0.120	104	75-125

Permian Basin Environmental Lab, L.P.

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

0.0379

0.126

0.133

0.00102

12600 W County Rd 91 Project Number: PP-2075 Midland TX, 79707 Project Manager: Sylwia Reynolds Fax:

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

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

Batch P0L1004 - General Preparation (	GC)	)
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Xylene (o)

Surrogate: 4-Bromofluorobenzene

Surrogate: 1,4-Difluorobenzene

Batch P0L1004 - General Preparation (	GC)									
Matrix Spike (P0L1004-MS1)	Sour	Source: 0L04003-03			2/10/20 A	nalyzed: 12				
Benzene	0.0749	0.00102	mg/kg dry	0.102	ND	73.4	80-120			QM-05
Toluene	0.0574	0.00102	"	0.102	ND	56.2	80-120			QM-05
Ethylbenzene	0.0507	0.00102	"	0.102	ND	49.7	80-120			QM-05
Xylene (p/m)	0.0721	0.00204	"	0.204	ND	35.3	80-120			QM-05
Xylene (o)	0.0358	0.00102	"	0.102	ND	35.1	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	0.126		"	0.122		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.134		"	0.122		109	80-120			
Matrix Spike Dup (P0L1004-MSD1)	Sour	rce: 0L04003	5-03	Prepared: 1	2/10/20 A	nalyzed: 12	2/11/20			
Benzene	0.0780	0.00102	mg/kg dry	0.102	ND	76.4	80-120	4.03	20	QM-05
Toluene	0.0583	0.00102	"	0.102	ND	57.1	80-120	1.54	20	QM-05
Ethylbenzene	0.0520	0.00102	"	0.102	ND	51.0	80-120	2.66	20	QM-05
Xylene (p/m)	0.0767	0.00204	"	0.204	ND	37.6	80-120	6.09	20	QM-05

0.102

0.122

0.122

37.1

103

109

80-120

80-120

80-120

5.54

20

QM-05

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0L0704 - *** DEFAULT PREP ***										
Blank (P0L0704-BLK1)				Prepared &	& Analyzed:	: 12/07/20				
% Moisture	ND	0.1	%							
Blank (P0L0704-BLK2)				Prepared &	& Analyzed:	: 12/07/20				
% Moisture	ND	0.1	%							
Duplicate (P0L0704-DUP1)	Sou	rce: 0L04003	-04	Prepared &	& Analyzed:	: 12/07/20				
% Moisture	3.0	0.1	%		4.0			28.6	20	R3
Duplicate (P0L0704-DUP2)	Sou	rce: 0L04004	-09	Prepared &	& Analyzed:	: 12/07/20				
% Moisture	7.0	0.1	%		7.0			0.00	20	
Duplicate (P0L0704-DUP3)	Sou	rce: 0L04004	-24	Prepared &	& Analyzed:	: 12/07/20				
% Moisture	2.0	0.1	%		2.0			0.00	20	
Batch P0L0706 - *** DEFAULT PREP ***										
Blank (P0L0706-BLK1)				Prepared:	12/07/20 A	nalyzed: 12	2/09/20			
Chloride	ND	1.00	mg/kg wet							
LCS (P0L0706-BS1)				Prepared:	12/07/20 A	nalyzed: 12	2/09/20			
Chloride	452	1.00	mg/kg wet	400		113	80-120			
LCS Dup (P0L0706-BSD1)				Prepared:	12/07/20 A	nalyzed: 12	2/09/20			
Chloride	447	1.00	mg/kg wet	400		112	80-120	1.07	20	
Calibration Check (P0L0706-CCV1)				Prepared:	12/07/20 A	nalyzed: 12	2/09/20			
Chloride	21.6		mg/kg	20.0		108	0-200			

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0L0706 - *** DEFAULT PREP ***										
Calibration Check (P0L0706-CCV2)				Prepared:	12/07/20 A	nalyzed: 12	/09/20			
Chloride	22.2		mg/kg	20.0		111	0-200			
Calibration Check (P0L0706-CCV3)				Prepared:	12/07/20 A	nalyzed: 12	/09/20			
Chloride	22.4		mg/kg	20.0		112	0-200			
Matrix Spike (P0L0706-MS1)	Sour	ce: 0L03002	-21	Prepared:	12/07/20 A	nalyzed: 12	/10/20			
Chloride	1230	11.0	mg/kg dry	1100	219	91.7	80-120			
Matrix Spike (P0L0706-MS2)	Sour	ce: 0L07007	-04	Prepared:	12/07/20 A	nalyzed: 12	/09/20			
Chloride	675	1.05	mg/kg dry	526	202	90.0	80-120			
Matrix Spike Dup (P0L0706-MSD1)	Sour	ce: 0L03002	-21	Prepared:	12/07/20 A	nalyzed: 12	/10/20			
Chloride	1310	11.0	mg/kg dry	1100	219	99.5	80-120	6.68	20	
Matrix Spike Dup (P0L0706-MSD2)	Sour	ce: 0L07007	-04	Prepared:	12/07/20 A	nalyzed: 12	/09/20			
Chloride	688	1.05	mg/kg dry	526	202	92.4	80-120	1.89	20	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

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

	D /	Reporting	***	Spike	Source	0/DEC	%REC	DDD	RPD	37.
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0L0711 - TX 1005										
Blank (P0L0711-BLK1)				Prepared &	analyzed:	12/07/20				
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	102		"	100		102	70-130			
Surrogate: o-Terphenyl	51.8		"	50.0		104	70-130			
LCS (P0L0711-BS1)				Prepared &	Analyzed:	12/07/20				
C6-C12	953	25.0	mg/kg wet	1000	•	95.3	75-125			
>C12-C28	1140	25.0	"	1000		114	75-125			
Surrogate: 1-Chlorooctane	125		"	100		125	70-130			
Surrogate: o-Terphenyl	53.6		"	50.0		107	70-130			
LCS Dup (P0L0711-BSD1)				Prepared &	Analyzed:	12/07/20				
C6-C12	1000	25.0	mg/kg wet	1000		100	75-125	4.82	20	
>C12-C28	1140	25.0	"	1000		114	75-125	0.390	20	
Surrogate: 1-Chlorooctane	103		"	100		103	70-130			
Surrogate: o-Terphenyl	56.3		"	50.0		113	70-130			
Calibration Check (P0L0711-CCV1)				Prepared &	Analyzed:	12/07/20				
C6-C12	492	25.0	mg/kg wet	500	<u> </u>	98.5	85-115			
>C12-C28	539	25.0	"	500		108	85-115			
Surrogate: 1-Chlorooctane	111		"	100		111	70-130			
Surrogate: o-Terphenyl	51.3		"	50.0		103	70-130			
Calibration Check (P0L0711-CCV2)				Prepared: 1	12/07/20 Aı	nalyzed: 12	/08/20			
C6-C12	501	25.0	mg/kg wet	500		100	85-115			
>C12-C28	533	25.0	"	500		107	85-115			
Surrogate: 1-Chlorooctane	113		"	100		113	70-130			
Surrogate: o-Terphenyl	50.9		"	50.0		102	70-130			

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0L0711 - TX 1005										
Calibration Check (P0L0711-CCV3)				Prepared:	12/07/20 A	nalyzed: 12	/08/20			
C6-C12	503	25.0	mg/kg wet	500		101	85-115			
>C12-C28	508	25.0	"	500		102	85-115			
Surrogate: 1-Chlorooctane	113		"	100		113	70-130			
Surrogate: o-Terphenyl	53.7		"	50.0		107	70-130			
Matrix Spike (P0L0711-MS1)	Sour	rce: 0L04002	2-01	Prepared:	12/07/20 A	nalyzed: 12	/08/20			
C6-C12	998	26.9	mg/kg dry	1080	10.8	91.8	75-125			
>C12-C28	1160	26.9	"	1080	13.8	107	75-125			
Surrogate: 1-Chlorooctane	128		"	108		119	70-130			
Surrogate: o-Terphenyl	55.3		"	53.8		103	70-130			
Matrix Spike Dup (P0L0711-MSD1)	Sour	rce: 0L04002	2-01	Prepared:	12/07/20 A	nalyzed: 12	/08/20			
C6-C12	1010	26.9	mg/kg dry	1080	10.8	92.9	75-125	1.19	20	
>C12-C28	1220	26.9	"	1080	13.8	112	75-125	4.46	20	
Surrogate: 1-Chlorooctane	128		"	108		119	70-130			
Surrogate: o-Terphenyl	57.3		"	53.8		107	70-130			
Batch P0L0712 - TX 1005										
Blank (P0L0712-BLK1)				Prepared:	12/07/20 A	nalyzed: 12	/08/20			
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	100		"	100		100	70-130			
Surrogate: o-Terphenyl	53.1		"	50.0		106	70-130			
LCS (P0L0712-BS1)				Prepared:	12/07/20 A	nalyzed: 12	/08/20			
C6-C12	921	25.0	mg/kg wet	1000		92.1	75-125			
>C12-C28	1130	25.0	"	1000		113	75-125			
Surrogate: 1-Chlorooctane	121		"	100		121	70-130			
Surrogate: o-Terphenyl	52.2		"	50.0		104	70-130			

Permian Basin Environmental Lab, L.P.

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12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

Fax:

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0L0712 - TX 1005										
LCS Dup (P0L0712-BSD1)				Prepared: 1	2/07/20 A	nalyzed: 12	/08/20			
C6-C12	949	25.0	mg/kg wet	1000		94.9	75-125	2.99	20	<u> </u>
>C12-C28	1160	25.0	"	1000		116	75-125	2.44	20	
Surrogate: 1-Chlorooctane	124		"	100		124	70-130			
Surrogate: o-Terphenyl	57.8		"	50.0		116	70-130			
Calibration Check (P0L0712-CCV1)				Prepared: 1	2/07/20 A	nalyzed: 12	/08/20			
C6-C12	481	25.0	mg/kg wet	500		96.1	85-115			
>C12-C28	564	25.0	"	500		113	85-115			
Surrogate: 1-Chlorooctane	109		"	100		109	70-130			
Surrogate: o-Terphenyl	53.3		"	50.0		107	70-130			
Calibration Check (P0L0712-CCV2)				Prepared: 1	2/07/20 A	nalyzed: 12	/08/20			
C6-C12	484	25.0	mg/kg wet	500		96.9	85-115			
>C12-C28	540	25.0	"	500		108	85-115			
Surrogate: 1-Chlorooctane	111		"	100		111	70-130			
Surrogate: o-Terphenyl	53.6		"	50.0		107	70-130			
Matrix Spike (P0L0712-MS1)	Sour	ce: 0L04004	l-15	Prepared: 1	2/07/20 A	nalyzed: 12	/08/20			
C6-C12	861	25.5	mg/kg dry	1020	12.9	83.1	75-125			
>C12-C28	1410	25.5	"	1020	625	76.7	75-125			
Surrogate: 1-Chlorooctane	112		"	102		110	70-130			
Surrogate: o-Terphenyl	51.9		"	51.0		102	70-130			
Matrix Spike Dup (P0L0712-MSD1)	Sour	ce: 0L04004	l-15	Prepared: 1	2/07/20 A	nalyzed: 12	/08/20			
C6-C12	903	25.5	mg/kg dry	1020	12.9	87.2	75-125	4.80	20	
>C12-C28	1540	25.5	"	1020	625	90.0	75-125	15.9	20	
Surrogate: 1-Chlorooctane	114		"	102		112	70-130			
Surrogate: o-Terphenyl	51.1		"	51.0		100	70-130			

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Sylwia Reynolds

#### **Notes and Definitions**

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

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

	Drew	Darron			
Report Approved By:			Date:	12/11/2020	

Brent Barron, Laboratory Director/Technical Director

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

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

Permian Basin Environmental Lab, L.P.

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

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX 70707

Midland TX, 79707 Project Manager: Sylwia Reynolds

Permian Basin Environmental Lab, L.P.

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

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



# Analytical Report

### **Prepared for:**

Sylwia Reynolds
Dean
12600 W County Rd 91
Midland, TX 79707

Project: Plains Artesia Gathering East

Project Number: PP-2075 Location: Eddy County, NM

Lab Order Number: 0L21004



NELAP/TCEQ # T104704516-17-8

Report Date: 12/23/20

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

Fax:

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-46 @ 5'	0L21004-01	Soil	12/21/20 10:40	12-21-2020 15:36

Total Petroleum Hydrocarbon C6-C35

Fax:

calc

Dean Project: Plains Artesia Gathering East

ND

12600 W County Rd 91Project Number: PP-2075Midland TX, 79707Project Manager: Sylwia Reynolds

BH-46 @ 5' 0L21004-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin F	Environmen	tal Lab, l	L.P.				
General Chemistry Parameters by EPA / Star	dard Method	ls							
% Moisture	5.0	0.1	%	1	P0L2201	12/22/20	12/22/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by El	PA Method 80	015M							
C6-C12	ND	26.3	mg/kg dry	1	P0L2104	12/21/20	12/22/20	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P0L2104	12/21/20	12/22/20	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P0L2104	12/21/20	12/22/20	TPH 8015M	
Surrogate: 1-Chlorooctane		103 %	70-13	20	P0L2104	12/21/20	12/22/20	TPH 8015M	
Surrogate: o-Terphenyl		105 %	70-13	80	P0L2104	12/21/20	12/22/20	TPH 8015M	

 $26.3 \quad mg/kg \; dry$ 

[CALC]

12/21/20

12/22/20

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

Fax:

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

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

Batch P0L2201 - \*\*\* DEFAULT PREP \*\*\*

 Blank (P0L2201-BLK1)
 Prepared & Analyzed: 12/22/20

 % Moisture
 ND
 0.1
 %

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

Fax:

# 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 P0L2104 - TX 1005	·			<u> </u>		<u> </u>	<u> </u>			
Blank (P0L2104-BLK1)				Prepared &	Analyzed:	12/21/20				
C6-C12	ND	25.0	mg/kg wet	1 Teparea e	o i mary zea.	12/21/20				
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	112		"	100		112	70-130			
Surrogate: o-Terphenyl	55.0		"	50.0		110	70-130			
LCS (P0L2104-BS1)				Prepared &	Analyzed:	12/21/20				
C6-C12	1010	25.0	mg/kg wet	1000	•	101	75-125			
>C12-C28	1100	25.0	"	1000		110	75-125			
Surrogate: 1-Chlorooctane	127		"	100		127	70-130			
Surrogate: o-Terphenyl	54.5		"	50.0		109	70-130			
LCS Dup (P0L2104-BSD1)				Prepared &	Analyzed:	12/21/20				
C6-C12	1070	25.0	mg/kg wet	1000		107	75-125	5.93	20	
>C12-C28	1110	25.0	"	1000		111	75-125	0.926	20	
Surrogate: 1-Chlorooctane	112		"	100		112	70-130			
Surrogate: o-Terphenyl	59.8		"	50.0		120	70-130			
Calibration Check (P0L2104-CCV1)				Prepared &	Analyzed:	12/21/20				
C6-C12	543	25.0	mg/kg wet	500	<u> </u>	109	85-115			
>C12-C28	560	25.0	"	500		112	85-115			
Surrogate: 1-Chlorooctane	111		"	100		111	70-130			
Surrogate: o-Terphenyl	56.2		"	50.0		112	70-130			
Calibration Check (P0L2104-CCV2)				Prepared: 1	12/21/20 A	nalyzed: 12	/22/20			
C6-C12	529	25.0	mg/kg wet	500		106	85-115			
>C12-C28	529	25.0	"	500		106	85-115			
Surrogate: 1-Chlorooctane	124		"	100		124	70-130			
Surrogate: o-Terphenyl	55.6		"	50.0		111	70-130			

Permian Basin Environmental Lab, L.P.

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

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

# 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 P0L2104 - TX 1005										
Matrix Spike (P0L2104-MS1)	Sour	ce: 0L21001	-01	Prepared:	12/21/20 A	nalyzed: 12	/22/20			
C6-C12	708	255	mg/kg dry	1020	137	56.0	75-125			
>C12-C28	14200	255	"	1020	22500	NR	75-125			
Surrogate: 1-Chlorooctane	103		"	102		101	70-130			
Surrogate: o-Terphenyl	56.7		"	51.0		111	70-130			
Matrix Spike Dup (P0L2104-MSD1)	Sour	ce: 0L21001	-01	Prepared:	12/21/20 A	nalyzed: 12	/22/20			
C6-C12	634	255	mg/kg dry	1020	137	48.7	75-125	14.0	20	
>C12-C28	11500	255	"	1020	22500	NR	75-125	NR	20	
Surrogate: 1-Chlorooctane	82.6		"	102		80.9	70-130			
Surrogate: o-Terphenyl	42.0		"	51.0		82.4	70-130			

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

#### **Notes and Definitions**

ROI Received on Ice

BULK Samples received in Bulk soil containers

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

	Burnon		
Report Approved By:		Date:	12/23/2020

Brent Barron, Laboratory Director/Technical Director

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

Permian Basin Environmental Lab, L.P.

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

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



# Analytical Report

### **Prepared for:**

Sylwia Reynolds
Dean
12600 W County Rd 91
Midland, TX 79707

Project: Plains Artesia Gathering East

Project Number: PP-2075 Location: Eddy County, NM

Lab Order Number: 1C02002



NELAP/TCEQ # T104704516-17-8

Report Date: 03/08/21

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
NSW C-2 @ 3.5'	1C02002-01	Soil	02/26/21 16:50	03-01-2021 16:55
BH-43 @ 4.5'	1C02002-02	Soil	02/26/21 16:30	03-01-2021 16:55
BH-44 @ 4.5'	1C02002-03	Soil	02/26/21 17:10	03-01-2021 16:55

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

NSW C-2 @ 3.5' 1C02002-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perm	ian Basin I	Environmen	tal Lab,	L.P.				
<b>General Chemistry Parameters by EPA/</b>	Standard Methods	1							
% Moisture	1.0	0.1	%	1	P1C0301	03/03/21	03/03/21	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 b	y EPA Method 801	5M							
C6-C12	ND	25.3	mg/kg dry	1	P1C0306	03/03/21	03/05/21	TPH 8015M	
>C12-C28	50.0	25.3	mg/kg dry	1	P1C0306	03/03/21	03/05/21	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P1C0306	03/03/21	03/05/21	TPH 8015M	
Surrogate: 1-Chlorooctane		94.4 %	70-13	0	P1C0306	03/03/21	03/05/21	TPH 8015M	
Surrogate: o-Terphenyl		102 %	70-13	0	P1C0306	03/03/21	03/05/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	50.0	25.3	mg/kg dry	1	[CALC]	03/03/21	03/05/21	calc	

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-43 @ 4.5' 1C02002-02 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

#### Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA/S	Standard Methods							
% Moisture	1.0	0.1	%	1	P1C0301	03/03/21	03/03/21	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by	EPA Method 801	5M						
C6-C12	ND	25.3	mg/kg dry	1	P1C0306	03/03/21	03/05/21	TPH 8015M
>C12-C28	ND	25.3	mg/kg dry	1	P1C0306	03/03/21	03/05/21	TPH 8015M
>C28-C35	ND	25.3	mg/kg dry	1	P1C0306	03/03/21	03/05/21	TPH 8015M
Surrogate: 1-Chlorooctane		105 %	70-130		P1C0306	03/03/21	03/05/21	TPH 8015M
Surrogate: o-Terphenyl		113 %	70-130		P1C0306	03/03/21	03/05/21	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	03/03/21	03/05/21	calc

Dean Project: Plains Artesia Gathering East

12600 W County Rd 91 Project Number: PP-2075

Midland TX, 79707 Project Manager: Sylwia Reynolds

BH-44 @ 4.5' 1C02002-03 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

#### Permian Basin Environmental Lab, L.P.

% Moisture	1.0	0.1	%	1	P1C0301	03/03/21	03/03/21	ASTM D2216	
<b>Total Petroleum Hydrocarbons C6-C35 by</b>	EPA Method 801	5M							
C6-C12	ND	25.3	mg/kg dry	1	P1C0306	03/03/21	03/05/21	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P1C0306	03/03/21	03/05/21	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P1C0306	03/03/21	03/05/21	TPH 8015M	
Surrogate: 1-Chlorooctane		111 %	70-130		P1C0306	03/03/21	03/05/21	TPH 8015M	
Surrogate: o-Terphenyl		121 %	70-130		P1C0306	03/03/21	03/05/21	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	03/03/21	03/05/21	calc	

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

Fax:

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1C0301 - *** DEFAULT PREP ***										
Blank (P1C0301-BLK1)				Prepared &	: Analyzed:	03/03/21				
% Moisture	ND	0.1	%							
Blank (P1C0301-BLK2)				Prepared &	: Analyzed:	03/03/21				
% Moisture	ND	0.1	%							
Blank (P1C0301-BLK3)				Prepared &	Analyzed:	03/03/21				
% Moisture	ND	0.1	%							
Blank (P1C0301-BLK4)				Prepared &	: Analyzed:	03/03/21				
% Moisture	ND	0.1	%							
Blank (P1C0301-BLK5)				Prepared &	: Analyzed:	03/03/21				
% Moisture	ND	0.1	%							
Blank (P1C0301-BLK6)				Prepared &	: Analyzed:	03/03/21				
% Moisture	ND	0.1	%							
Blank (P1C0301-BLK7)				Prepared &	: Analyzed:	03/03/21				
% Moisture	ND	0.1	%		-					
Blank (P1C0301-BLK8)				Prepared &	: Analyzed:	03/03/21				
% Moisture	ND	0.1	%	•						
Blank (P1C0301-BLK9)				Prepared &	: Analyzed:	03/03/21				
% Moisture	ND	0.1	%	•						
Duplicate (P1C0301-DUP1)	Sou	rce: 1C02004-	01	Prepared &	: Analyzed:	03/03/21				
% Moisture	4.0	0.1	%		4.0			0.00	20	

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

Fax:

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1C0301 - *** DEFAULT PREP ***										
Duplicate (P1C0301-DUP2)	Sou	rce: 1C02004-	11	Prepared &	: Analyzed:	03/03/21				
% Moisture	10.0	0.1	%		9.0			10.5	20	
Duplicate (P1C0301-DUP3)	Sou	rce: 1C02005-	07	Prepared &	: Analyzed:	03/03/21				
% Moisture	12.0	0.1	%		12.0			0.00	20	
Duplicate (P1C0301-DUP4)	Sou	rce: 1C02005-	17	Prepared &	: Analyzed:	03/03/21				
% Moisture	12.0	0.1	%		13.0			8.00	20	
Duplicate (P1C0301-DUP5)	Sou	rce: 1C02011-	03	Prepared &	: Analyzed:	03/03/21				
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P1C0301-DUP6)	Sou	rce: 1C02012-	06	Prepared &	: Analyzed:	03/03/21				
% Moisture	6.0	0.1	%		7.0			15.4	20	
Duplicate (P1C0301-DUP7)	Sou	rce: 1C02013-	14	Prepared &	: Analyzed:	03/03/21				
% Moisture	4.0	0.1	%		4.0			0.00	20	
Duplicate (P1C0301-DUP8)	Sou	rce: 1C02014-	09	Prepared &	: Analyzed:	03/03/21				
% Moisture	9.0	0.1	%	•	9.0			0.00	20	
Duplicate (P1C0301-DUP9)	Sou	rce: 1C02015-	04	Prepared &	: Analyzed:	03/03/21				
% Moisture	11.0	0.1	%		10.0			9.52	20	
Duplicate (P1C0301-DUPA)	Sou	rce: 1C02015-	14	Prepared &	: Analyzed:	03/03/21				
% Moisture	14.0	0.1	%		14.0			0.00	20	
Duplicate (P1C0301-DUPB)	Sou	rce: 1C02016-	15	Prepared &	: Analyzed:	03/03/21				
% Moisture	7.0	0.1	%	1	7.0			0.00	20	

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

Fax:

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1C0301 - *** DEFAULT PREP ***										
Duplicate (P1C0301-DUPC)	Sour	ce: 1C02016-2	25	Prepared &	Analyzed:	03/03/21				
% Moisture	7.0	0.1	%		8.0			13.3	20	
Duplicate (P1C0301-DUPD)	<b>Source: 1C02016-40</b> Prepared & Analyzed: 03/03/21									
% Moisture	7.0	0.1	%		8.0			13.3	20	
Duplicate (P1C0301-DUPE)	Source: 1C02016-50		Prepared &	Prepared & Analyzed: 03/03/21						
% Moisture	8.0	0.1	%		8.0			0.00	20	
Duplicate (P1C0301-DUPF)	Source: 1C02016-65		Prepared & Analyzed: 03/03/21							
% Moisture	8.0	0.1	%		8.0			0.00	20	
Duplicate (P1C0301-DUPG)	Source: 1C02016-75		Prepared & Analyzed: 03/03/21							
% Moisture	10.0	0.1	%		10.0			0.00	20	
Duplicate (P1C0301-DUPH)	Sour	ce: 1C02016-9	)0	Prepared &	Analyzed:	03/03/21				
% Moisture	10.0	0.1	%		10.0			0.00	20	

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

Fax:

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

		Reporting		Spike	Source	0/775	%REC	222	RPD	27.
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P1C0306 - TX 1005										
Blank (P1C0306-BLK1)				Prepared: (	03/03/21 Aı	nalyzed: 03	/05/21			
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	118		"	100		118	70-130			
Surrogate: o-Terphenyl	62.8		"	50.0		126	70-130			
LCS (P1C0306-BS1)				Prepared: (	03/03/21 Aı	nalyzed: 03	/05/21			
C6-C12	1140	25.0	mg/kg wet	1000		114	75-125			
>C12-C28	1250	25.0	"	1000		125	75-125			
Surrogate: 1-Chlorooctane	121		"	100		121	70-130			
Surrogate: o-Terphenyl	64.2		"	50.0		128	70-130			
LCS Dup (P1C0306-BSD1)				Prepared: (	03/03/21 Aı	nalyzed: 03	/05/21			
C6-C12	1130	25.0	mg/kg wet	1000		113	75-125	0.700	20	
>C12-C28	1240	25.0	"	1000		124	75-125	0.768	20	
Surrogate: 1-Chlorooctane	120		"	100		120	70-130			
Surrogate: o-Terphenyl	63.0		"	50.0		126	70-130			
Calibration Check (P1C0306-CCV1)				Prepared: (	03/03/21 Aı	nalyzed: 03	/05/21			
C6-C12	533	25.0	mg/kg wet	500		107	85-115			
>C12-C28	575	25.0	"	500		115	85-115			
Surrogate: 1-Chlorooctane	118		"	100		118	70-130			
Surrogate: o-Terphenyl	62.9		"	50.0		126	70-130			
Calibration Check (P1C0306-CCV2)				Prepared: (	03/03/21 Aı	nalyzed: 03	/05/21			
C6-C12	564	25.0	mg/kg wet	500		113	85-115			
>C12-C28	556	25.0	"	500		111	85-115			
Surrogate: 1-Chlorooctane	115		"	100		115	70-130			
Surrogate: o-Terphenyl	63.3		"	50.0		127	70-130			

Permian Basin Environmental Lab, L.P.

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

12600 W County Rd 91 Project Number: PP-2075
Midland TX, 79707 Project Manager: Sylwia Reynolds

Fax:

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

	Reporting		Spike	Source		%REC		RPD	
Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
			Prepared: (	)3/03/21 Ar	nalyzed: 03	/05/21			
509	25.0	mg/kg wet	500		102	85-115			
552	25.0	"	500		110	85-115			
124		"	100		124	70-130			
57.5		"	50.0		115	70-130			
Sour	rce: 1C02007	<u>'-01</u>	Prepared: 0	)3/03/21 Ar	nalyzed: 03	/05/21			
1180	27.2	mg/kg dry	1090	ND	109	75-125			
1270	27.2	"	1090	70.8	110	75-125			
127		"	120		106	70-130			
68.7		"	59.8		115	70-130			
Sour	rce: 1C02007	'-01	Prepared: 0	)3/03/21 Ar	nalyzed: 03	/05/21			
1130	27.2	mg/kg dry	1090	ND	104	75-125	4.17	20	
1190	27.2	"	1090	70.8	103	75-125	7.21	20	
122		"	120		102	70-130			
70.0		"	59.8		117	70-130			
	509 552 124 57.5 Sour 1180 1270 68.7 Sour 1130 1190	Result Limit  509 25.0 552 25.0  124 57.5  Source: 1C02007  1180 27.2 1270 27.2  127 68.7  Source: 1C02007  1130 27.2 1190 27.2	Source: 1C02007-01	Prepared: 0	Prepared: 03/03/21 And	Result         Limit         Units         Level         Result         %REC           Prepared: 03/03/21 Analyzed: 03           509         25.0         mg/kg wet         500         102           552         25.0         "         500         110           124         "         100         124           57.5         "         50.0         115           Source: 1C02007-01         Prepared: 03/03/21 Analyzed: 03           1180         27.2         "         1090         ND         109           127         "         120         106         68.7         115           Source: 1C02007-01         Prepared: 03/03/21 Analyzed: 03           1130         27.2         mg/kg dry         1090         ND         104           1190         27.2         "         1090         ND         104           1190         27.2         "         1090         70.8         103	Result         Limit         Units         Level         Result         %REC         Limits           Prepared: 03/03/21 Analyzed: 03/05/21           509         25.0         mg/kg wet         500         102         85-115           552         25.0         "         500         110         85-115           124         "         100         124         70-130           Source: 1C02007-01         Prepared: 03/03/21 Analyzed: 03/05/21           1180         27.2         mg/kg dry         1090         ND         109         75-125           127         "         120         106         70-130           68.7         "         59.8         115         70-130           Source: 1C02007-01         Prepared: 03/03/21 Analyzed: 03/05/21           1130         27.2         mg/kg dry         1090         ND         104         75-125           1190         27.2         "         1090         70.8         103         75-125           1190         27.2         "         1090         70.8         103         75-125	Prepared: 03/03/21   Analyzed: 03/05/21	Prepared: 03/03/21   Analyzed: 03/05/21

12600 W County Rd 91Project Number:PP-2075Midland TX, 79707Project Manager:Sylwia Reynolds

#### **Notes and Definitions**

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

ROI Received on Ice

BULK Samples received in Bulk soil containers

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

	Drew	Devolor C		
Report Approved By:			Date:	3/8/2021

P AR

Brent Barron, Laboratory Director/Technical Director

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

Permian Basin Environmental Lab, L.P.

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

# APPENDIX D PHOTOGRAPHIC DOCUMENTATION

## Photograph No 1.

Date: June 30, 2020 Direction: Southwest

Description: View of initial release area.



## Photograph No 2.

Date: June 30, 2020 Direction: Northeast

Description: View of initial release area.



## Photograph No 1.

Date: June 30, 2020 Direction: Southwest Description: View of excavation activities adjacent to LACT unit.



### Photograph No 2.

Date: June 30, 2020 Direction: Northeast





## Photograph No 5.

Date: September 16, 2020 Direction: Southwest Description: View of excavation and soil sampling activities.



### Photograph No 6.

Date: January 5, 2021 Direction: Southwest



## Photograph No 7.

Date: January 21, 2021
Description: View of backfill activities. Direction: North



### Photograph No 8.

Date: February 3, 2021 Direction: North

Description: View of completed backfilling activities.



# APPENDIX E EXTENSION REQUEST AND NMOCD RESPONSE

From: Hamlet, Robert, EMNRD

To: "Amber L Groves"

Cc: Bratcher, Mike, EMNRD; Eads, Cristina, EMNRD

Subject: (Extension Approval) NRM2020631097 Plains Artesia Gathering

Date: Wednesday, December 2, 2020 8:23:00 AM

RE: Incident #NRM2020631097

#### Amber,

Your request for an extension to **January 1st, 2021** is approved. Plains is requesting an extension for NRM2020631097 Plains Artesia Gathering. Archaeological survey, laboratory sampling and excavating is taking longer than expected. Excavation is in progress and resuming on December 1<sup>st</sup>.

From: Amber L Groves <ALGroves@paalp.com> Sent: Monday, November 30, 2020 1:20 PM

**To:** Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Venegas, Victoria, EMNRD <Victoria.Venegas@state.nm.us>; Eads, Cristina, EMNRD <Cristina.Eads@state.nm.us> **Cc:** Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>

Subject: [EXT] NRM2020631097 Plains Artesia Gathering Extension Request

Good Afternoon,

Plains would like to request an extension for NRM2020631097 Plains Artesia Gathering. Archaelogical survey, laboratory sampling and excavating is taking longer than expected. Excavation is in progress and resuming on December  $1^{st}$ .

Thank you,

Amber L. Groves
Remediation Coordinator
Plains All American
3112 W. US Hwy 82
Lovington, NM 88260
575-200-5517

#### Attention:

The information contained in this message and/or attachments is intended only for the person or entity to which it is addressed and may contain confidential and/or privileged material. If you received this in error, please contact the Plains Service Desk at 713-646-4444 and delete the material from any system and destroy any copies.

This footnote also confirms that this email message has been scanned for Viruses and Content and cleared.

From: Hamlet, Robert, EMNRD

To: "Amber L Groves"

Cc: Bratcher, Mike, EMNRD; Eads, Cristina, EMNRD

Subject: (Extension Approval) NRM2020631097 Plains Artesia Gathering

**Date:** Tuesday, January 12, 2021 2:09:00 PM

RE: Incident #NRM2020631097

#### Amber,

Plain's request for an extension to **February 15th, 2021** is approved. Plains will need an extension to February 15<sup>th</sup> for this site. Additional excavation became necessary and they will be unable to have the site backfilled and a report submitted by January 1<sup>st</sup>.

From: Amber L Groves <ALGroves@paalp.com> Sent: Tuesday, December 29, 2020 9:23 AM

**To:** Hamlet, Robert, EMNRD < Robert. Hamlet@state.nm.us>

Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Eads, Cristina, EMNRD

<Cristina.Eads@state.nm.us>

Subject: [EXT] RE: (Extension Approval) NRM2020631097 Plains Artesia Gathering

Good Morning,

Plains will need an extension to February 15<sup>th</sup> for this site. Additional excavation became necessary and we will be unable to have the site backfilled and a report submitted by January 1<sup>st</sup>. Please feel free to give me a call with any questions.

Thank you,

Amber L. Groves
Remediation Coordinator
Plains All American
3112 W. US Hwy 82
Lovington, NM 88260
575-200-5517

From: Hamlet, Robert, EMNRD < Robert. Hamlet@state.nm.us >

**Sent:** Wednesday, December 2, 2020 9:24 AM **To:** Amber L Groves <a href="mailto:AmberLogones-alp.com">ALGroves@paalp.com</a>

**Cc:** Bratcher, Mike, EMNRD < <u>mike.bratcher@state.nm.us</u>>; Eads, Cristina, EMNRD

<Cristina.Eads@state.nm.us>

**Subject:** (Extension Approval) NRM2020631097 Plains Artesia Gathering [External]

RE: Incident #NRM2020631097

#### Amber,

Your request for an extension to **January 1st, 2021** is approved. Plains is requesting an extension for NRM2020631097 Plains Artesia Gathering. Archaeological survey, laboratory sampling and excavating is taking longer than expected. Excavation is in progress and resuming on December 1<sup>st</sup>.

From: Amber L Groves <<u>ALGroves@paalp.com</u>>
Sent: Monday, November 30, 2020 1:20 PM

**To:** Hamlet, Robert, EMNRD <<u>Robert.Hamlet@state.nm.us</u>>; Venegas, Victoria, EMNRD <<u>Victoria.Venegas@state.nm.us</u>>; Eads, Cristina, EMNRD <<u>Cristina.Eads@state.nm.us</u>> **Cc:** Bratcher, Mike, EMNRD <<u>mike.bratcher@state.nm.us</u>>; Billings, Bradford, EMNRD <<u>Bradford.Billings@state.nm.us</u>>

**Subject:** [EXT] NRM2020631097 Plains Artesia Gathering Extension Request

Good Afternoon,

Plains would like to request an extension for NRM2020631097 Plains Artesia Gathering. Archaelogical survey, laboratory sampling and excavating is taking longer than expected. Excavation is in progress and resuming on December  $1^{st}$ .

Thank you,

Amber L. Groves
Remediation Coordinator
Plains All American
3112 W. US Hwy 82
Lovington, NM 88260
575-200-5517

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District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 23298

#### **CONDITIONS**

Operator:	OGRID:
PLAINS MARKETING L.P.	34053
333 Clay St, Ste 1600	Action Number:
Houston, TX 77002	23298
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By	Condition	Condition Date
bbillings	None	6/14/2021