

Incident ID	NRM2022150038
District RP	
Facility ID	
Application ID	

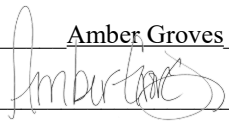
Closure

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

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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

Printed Name: Amber Groves Title: Remediation Coordinator
Signature:  Date: 2/16/2021
email: algroves@paalp.com Telephone: 575-200-5517

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: Bradford Billings Date: 01/24/2022
Printed Name: Bradford Billings Title: E.Spec.A



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

SITE CHARACTERIZATION, REMEDIATION ACTIVITIES AND RISK BASED CLOSURE REQUEST

PLAINS PIPELINE, L.P.

JAL STATION TANK #1231 PUMP

LEA COUNTY, NM

NMOCD INCIDENT #: NRM2022150038

SRS #: 2020-070

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February 1, 2021

New Mexico Oil Conservation Division District 1
1625 N. French Drive
Hobbs, New Mexico 88240

Re: Site Characterization, Remediation Activities, and Risk Based Closure Request

Jal Station Tank # 1231 Pump

Unit Letter P, Section 32, Township 25S, Range 37E

GPS: N 32.080589°, W 103.179728°

Lea County, New Mexico

NMOCD Incident #: NRM2022150038

SRS #: 2020-070

1. Introduction

Dean Companies, Inc. (Dean) is pleased to present this Site Characterization, Remediation Activities, and Risk Based Closure Request on behalf of Plains Pipeline, L.P. (Plains) to document the field soil remediation activities that were conducted at the Jal Station Tank # 1231 Release site. The crude oil release occurred off Tank Farm Road and Hwy 18, approximately 2.36 miles south to southeast of Jal in Lea County, New Mexico in Unit Letter P, Section 32, Township 25S, and Range 37E. The GPS coordinates for the site is N 32.080589° and W -103.179728°. A "Site Location Map" is provided as Figure 1.

2. Release Description and Response

On August 4, 2020, a crude oil release occurred at the Jal Station Tank # 1231 and was attributed to a seal failure on the pump. Approximately 10.7 barrels (bbls) of crude oil was released with zero (0) bbls recovered for a net loss of 10.7 bbls of crude. The release was contained onsite within the berm affecting

an area beneath the piping measuring approximately one hundred ten (110) feet (ft) in length by eight (8) ft to forty (40) ft in width with a maximum depth of six (6) ft below ground surface (bgs).

On August 5, 2020, Dean was assigned technical oversight and excavation responsibilities for impacted soil delineation, remediation, soil sampling, site restoration, and reporting activities by Plains. On August 6, 2020, Plains submitted the initial C-141 Form to the NMOCD (Appendix A) and assigned the NMOCD incident number: NRM2022150038.

3. NMOCD Regulatory Limits

NMOCD assessment and cleanup levels for hydrocarbon and produced water releases are based on depth to groundwater and follow the criteria in the revised August 2018 Title 19 Chapter 15 Part 29 New Mexico Administration 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 in or near Unit Letter P, Section 32, Township 25S, and Range 37E. Neither of the two databases identified any registered water wells were located in or near Unit Letter P, Section 32, Township 25S, and Range 37E. However, a review of groundwater reports submitted to the NMOCD, indicate that Shell Pipeline Company, LP (Shell) at the tank farm has installed monitor wells in Section 32, Township 25S, and Range 37E with groundwater measured (as of 2012) at depths of 85 feet bgs. See Appendix B for the Shell Oil Company groundwater gauging tables at the site. In addition, according to the Bureau of Land Management (BLM) the site is located in an area of low potential karst topography. See Figure 2 "Site Location Relative to Known Regional Karst Topography". As outlined in 19.15.29.12.B. (4) NMAC, the release does not occur in referenced sensitive areas, with the nearest water body feature being Monument Draw located approximately 5.6 miles east of the site. Meeting the previous criteria, the NMOCD restoration and cleanup levels for soils impacted by hydrocarbons at depths of 50 to 100 feet bgs are as follow:

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

4. Soil Assessment Activities and Sample Analysis

On August 5, 2020, Dean Personnel conducted initial soil delineation activities at the release site. A hand auger was utilized to collect soil samples from the site to determine depth of hydrocarbon and chloride impacts, if any. Soil samples were collected at one (1) ft. intervals to a depth of eight (8) feet bgs across two auger hole locations (AH-1 and AH-2) and placed into laboratory-provided sample containers, labeled, stored on ice, and transported under proper chain-of-custody documentation to Permian Basin Environmental Laboratory, 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 EPA Method 300.0. See Figure 3 "Site Details and Auger Hole Soil Sample Location Map". Benzene and Total BTEX concentrations were below the NMOCD standards of 10 milligrams per kilogram (mg/Kg) and 50 mg/Kg for all samples analyzed with the exception of AH-1 @ 2' and AH-2 @ 2' with concentrations of 19.5 mg/Kg and 58.3 mg/Kg, respectively benzene, and 183.1 mg/Kg and 467 mg/Kg, respectively Total BTEX. The TPH concentrations were below the NMOCD standards of 1,000 mg/Kg (GRO + DRO) and 2,500 mg/Kg Total TPH for soil samples AH-1 @ 4' and AH-2 @ 8'. The remaining samples were above the NMOCD standards for TPH (GRO + DRO) and Total TPH ranging in concentrations of 6,328 mg/Kg and 7,608 mg/Kg (AH-2 @ 6'), respectfully to 45,800 mg/Kg and 50,450 mg/Kg (AH-1 @ 2'), respectfully. See Table 1 for delineation analytical results. Chlorides were below NMOCD standards of 10,000 mg/Kg for all samples collected and analyzed and ranged from 7.65 mg/Kg for soil sample AH-2 @ 2' to 17.4 mg/kg for soil sample AH-1 @ 2'. Soil impacts were vertically delineated at the site to a depth of 4 to 8 feet bgs. See Figure 4 for aerial view of release area.

5. Soil Remediation and Wall Confirmation Soil Sampling

Between August 5, 2020 and December 14, 2020, Dean personnel conducted soil remediation and sampling activities at the Jal Station Tank #1231 Pump Release site. Remediation commenced utilizing hand excavation of hydrocarbon impacted soils beneath the onsite piping with the excavated soils stockpiled on plastic. Based on visual staining, olfactory senses, and a photoionization detector (PID) meter, the site was excavated to a maximum depth of four (4) ft bgs. Due to limited accessibility from overhead piping, additional hydrocarbon impacted soils above NMOCD cleanup standards of 1,000 mg/Kg TPH (GRO+DRO) and 2,500 mg/Kg total TPH could not be vertically excavated to depth and were left in-situ (i.e. soil delineation sample AH-2 @ 4' and AH-2 @ 6") at the base of the excavation and two (2) foot beyond with NMOCD approval. See Section 6 for variance request and approval. Final dimensions of the excavation were approximately one hundred ten (110) ft in length by eight (8) to forty (40) ft in width to a

depth of four (4) ft bgs. See Site Photographs in Appendix D. Approximately 540 cubic yards of soil were removed and stockpiled on plastic at the site.

On August 19, 2020 and August 25, 2020, after initial excavation activities, nine (9) five-point composite soil samples (NSW-1, NSW-2 @ 2', NSW-3 @ 2', WSW-1, WSW-2 @ 2', SSW-1, SSW-2 @ 2', SSW-3 @ 2', and ESW-1 @ 2') were collected from the side walls and placed into laboratory-provided sample containers, labeled, stored on ice, and transported under proper chain-of-custody documentation to PBE Labs. Samples were analyzed for TPH, BTEX, and chlorides. See Figure 5 "Site Details and Wall Soil Sample Location Map". Benzene and Total BTEX concentrations were all below NMOCD standards, with all samples below method detection limits with the exception of soil samples WSW-2 @ 2' with 0.0356 mg/Kg benzene, 0.4223 mg/Kg Total BTEX, SSW-3 @ 2' with 0.0186 mg/Kg benzene, 1.067 mg/Kg Total BTEX, and ESW-1 @ 2' with 0.0513 mg/Kg benzene, 0.4604 mg/Kg Total BTEX. The TPH concentrations were below the NMOCD standards of 1,000 mg/Kg (GRO + DRO) and 2,500 mg/Kg Total TPH for wall samples NSW-1, NSW-2 @ 2', NSW-3, and WSW-2 @ 2', and SSW-1. The remaining samples (WSW-2 @ 2', SSW-2 @ 2', SSW-3 @ 2', and ESW-1 @ 2') were above the NMOCD standards for TPH (GRO + DRO) and Total TPH ranging in concentrations of 2,492.3 mg/Kg (GRO + DRO) and 3,229.3 mg/Kg (Total TPH) for SSW-2 @ 2', to 6,540 (GRO + DRO) mg/Kg and 7,950 (Total TPH) mg/Kg for ESW-1 @ 2'AH-1 @ 2'. After further excavation, four wall samples that exceeded the initial TPH were resampled (WSW-2A @ 2', SSW-2A @ 2', SSW-3A @ 2', and ESW-1A @ 2') on October 13, 2020. The TPH analytical results were below NMOCD standards for all samples analyzed with the exception of soil sample SSW-2A @ 2' with a concentration of 1,670 mg/Kg (GRO + DRO). The area was further excavated and resampled (SSW-2B @ 2') on October 19, 2020. The TPH analytical concentration for the sample was below the NMOCD standard. See Table 2 for analytical results. Chlorides were below NMOCD standards of 10,000 mg/Kg for all samples analyzed with concentrations ranging from 3.80 mg/Kg (WSW-1) to 13.6 mg/Kg (NSW-3 @ 2'). Laboratory reports containing analytical methods, results, and chain-of-custody documents are included in Appendix C. With all the wall samples below the NMOCD standards, the site was successfully delineated horizontally. See Figure 5 "Site Details and Wall Soil Sample Location Map" for sampling locations.

6. Variance Request and NMOCD Response.

In an email dated August 28, 2020, Plains submitted a variance request to the NMOCD requesting a cease excavation at 4' bgs and install a 20-mil polyethylene liner to mitigate further leaching of any remaining impacted soils. The NMOCD responded, in an email dated August 28, 2020, requesting the variance be submitted at same time as a remediation plan. On September 15, 2020, Plains submitted a remediation plan along with the variance request to the NMOCD via the online portal under PO#54X6N-200915-C-

1410. When a response was not received from the NMOCD within 60 days, the site was considered in automatic denial and was resubmitted, on November 16, 2020. On December 3, 2020, via email, the NMOCD granted Plains the variance request to the current rule for the site. See Appendix E for NMOCD and Plains correspondence emails, variance submittal request, and NMOCD approval.

7. Liner Installation, Soil Disposal and Site Restoration

On December 8, 2020, Akome Company of Hobbs, New Mexico was onsite to install the twenty (20) mil polyethylene liner across the entire base of the excavation. The liner was installed at a depth of four (4) ft bgs with dimensions of approximately one hundred ten (110) ft in length, by eight (8) ft to forty (40) ft in width. See attached Photographs in Appendix D. See Figure 6 for "Site Excavation Extent and Liner Installation Map".

Upon completion of the installation of the liner, Dean was onsite from December 8 through December 14, 2020 to backfill the excavation with locally sourced non-impacted soils and the site brought up to grade. Approximately 540 cubic yards of hydrocarbon impacted soils were transported offsite for disposal at J & L Landfarm in Hobbs, New Mexico. See Appendix F for waste manifests.

8. Closure Request

With the approved variance request along with the completion of the installation of the 20-mil polyethylene liner and backfilling of the excavation with locally sourced non-impacted soils, Plains believes the site has been remediated to within NMOCD standards. As such, Plains respectfully requests that the NMOCD consider the site for risk-based closure. A C-141 closure is attached to the front of 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 Dean.

Sincerely,


Sylwia Reynolds

Project Manager


Jeffrey Kindley, PG.

Professional Geologist

TABLES



Chemistry Table 1
Delineation - Concentrations of Benzene, BTEX, Chlorides, and TPH in soil
Plains Pipeline, L.P.
Jal Station 8/4/20
Lea County, New Mexico
SRS # 2020-070 and Jal Pump 1231 Historical

SAMPLE INFORMATION					METHODS: EPA SW 846-8021B, 5030					METHOD: E 300	METHODS: 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)
AH-1 @2'	08/05/20	2ft	Grab	Soil	19.5	40.3	31.5	91.8	183.1	17.4	11,300	34,500	45,800	4,650	50,450
AH-1 @4'	08/05/20	4ft	Grab	Soil	<0.0200	0.0672	0.0444	0.1547	0.2663	8.03	<29.1	108	108	<29.1	108
AH-2 @2'	08/05/20	2ft	Grab	Soil	58.3	120	70.6	218.1	467	7.65	12,500	25,200	37,700	3,470	41,170
AH-2 @4'	08/05/20	4ft	Grab	Soil	3.32	6.48	5.71	14.12	29.63	13.7	1,420	13,600	15,020	2,880	17,900
AH-2 @6'	08/05/20	6ft	Grab	Soil	-	-	-	-	-	-	688	5,640	6,328	1,280	7,608
AH-2 @8'	08/05/20	8ft	Grab	Soil	-	-	-	-	-	-	28.2	299	327.2	50.7	377.9
NMOCD Recommended Remediation Action Level					10	-	-	-	50	10,000	-	-	1,000	-	2,500

Exceeds NMOCD RRAL



Chemistry Table 2
Confirmation - Concentrations of Benzene, BTEX, Chlorides, and TPH in soil
Plains Pipeline, L.P.
Jal Station 8/4/20
Lea County, New Mexico
SRS # 2020-070 and Jal Pump 1231 Historical

SAMPLE INFORMATION					METHODS: EPA SW 846-8021B, 5030					METHOD: E 300	METHODS: 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)
NSW-1	08/19/20	NA	Composite	Soil	<0.00103	<0.00206	<0.00103	<0.00206	<0.00206	9.28	<25.8	351	351	74.5	425.5
NSW-2 @ 2'	08/25/20	2 FT	Composite	Soil	<0.00108	<0.00108	<0.00108	<0.00215	<0.00215	5.58	<26.9	138	138	37.7	175.7
NSW-3 @ 2'	08/25/20	2 FT	Composite	Soil	<0.00105	<0.00105	<0.00105	<0.00211	<0.00211	13.6	<26.3	195	195	49.4	244.4
WSW-1	08/19/20	NA	Composite	Soil	<0.00104	<0.00208	<0.00104	<0.00208	<0.00208	3.80	<26.0	47.1	47.1	<26.0	47.1
WSW-2 @ 2'	08/25/20	2 FT	Composite	Soil	0.0356	0.0735	0.0577	0.2555	0.4223	8.10	179	3,030	3,209	691	3,900
WSW-2A @ 2'	10/13/20	2 FT	Composite	Soil	-	-	-	-	-	-	<25.0	364	364	99.8	463.8
SSW-1	08/19/20	NA	Composite	Soil	<0.00104	<0.00208	<0.00104	<0.00208	<0.00208	9.34	<26.0	164	164	67.4	231.4
SSW-2 @ 2'	08/25/20	2 FT	Composite	Soil	<0.00109	<0.00109	<0.00109	<0.00217	<0.00217	11.9	32.3	2,460	2,492.3	737	3,229.3
SSW-2A @ 2'	10/13/20	2 FT	Composite	Soil	-	-	-	-	-	-	<25.0	1,670	1,670	484	2,154
SSW-2B @ 2'	10/19/20	2 FT	Composite	Soil	-	-	-	-	-	-	<25.0	186	186	61.0	247
SSW-3 @ 2'	08/25/20	2 FT	Composite	Soil	0.0186	0.107	0.215	0.726	1.067	5.13	742	5,480	6,222	768	6,990
SSW-3A @ 2'	10/13/20	2 FT	Composite	Soil	-	-	-	-	-	-	<25.0	62.7	62.7	26.2	88.9
ESW-1 @ 2'	08/25/20	2 FT	Composite	Soil	0.0513	0.0575	0.0718	0.2798	0.4604	5.02	<253	6,540	6,540	1,410	7,950
ESW-1A @ 2'	10/13/20	2 FT	Composite	Soil	-	-	-	-	-	-	<25.0	745	745	216	961
NMOCD Recommended Remediation Action Level					10	-	-	-	50	10,000	-	-	1,000	-	2,500

Exceeds NMOCD RRAL

FIGURES

Figure 1

Site Location Map

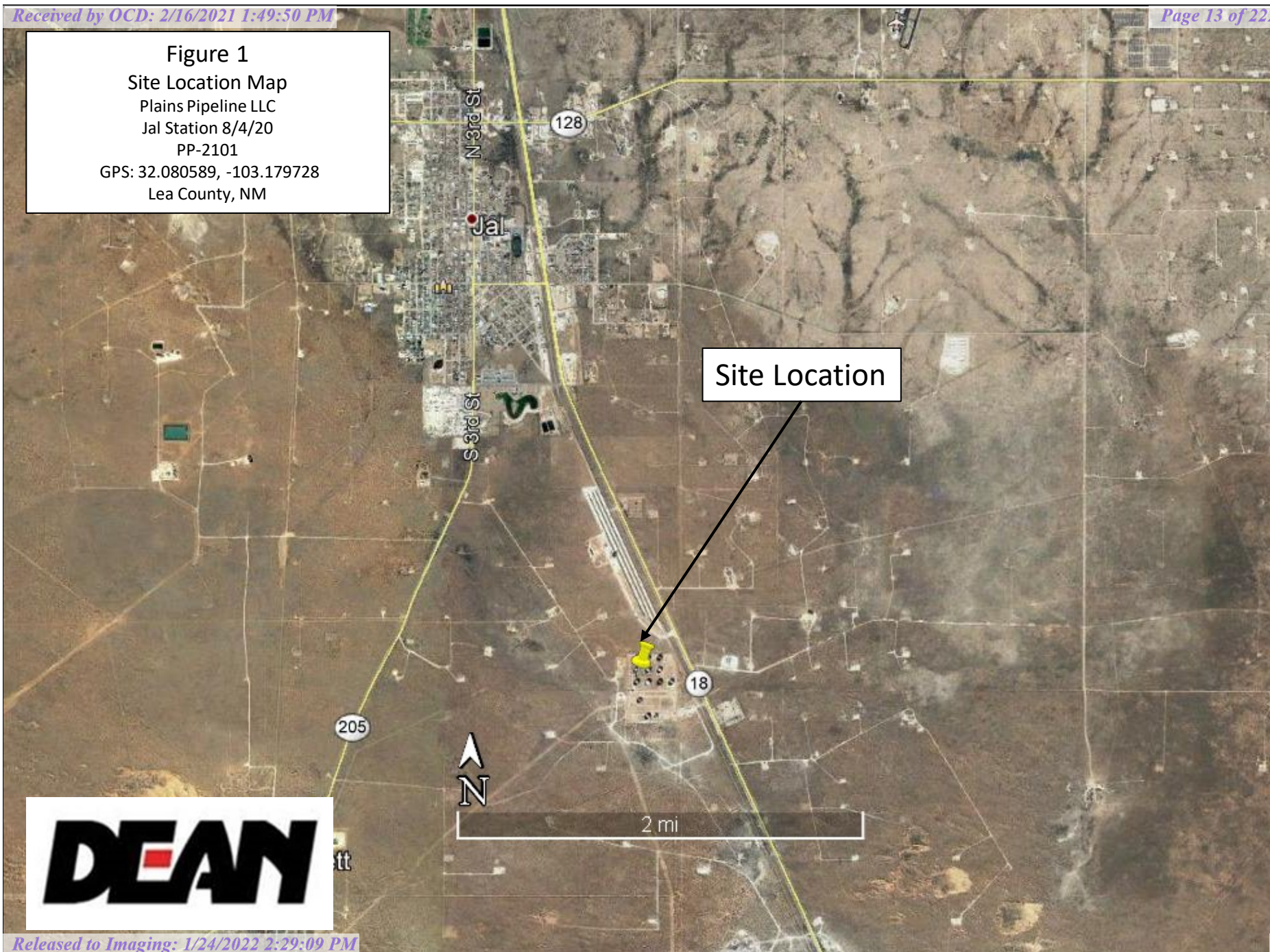
Plains Pipeline LLC

Jal Station 8/4/20

PP-2101

GPS: 32.080589, -103.179728

Lea County, NM



DEAN

Figure 2

Site Location Relative to Known
Regional Karst Topography

Plains Pipeline LLC

Jal Station 8/4/20

PP-2101

GPS: 32.080589, -103.179728

Lea County, NM

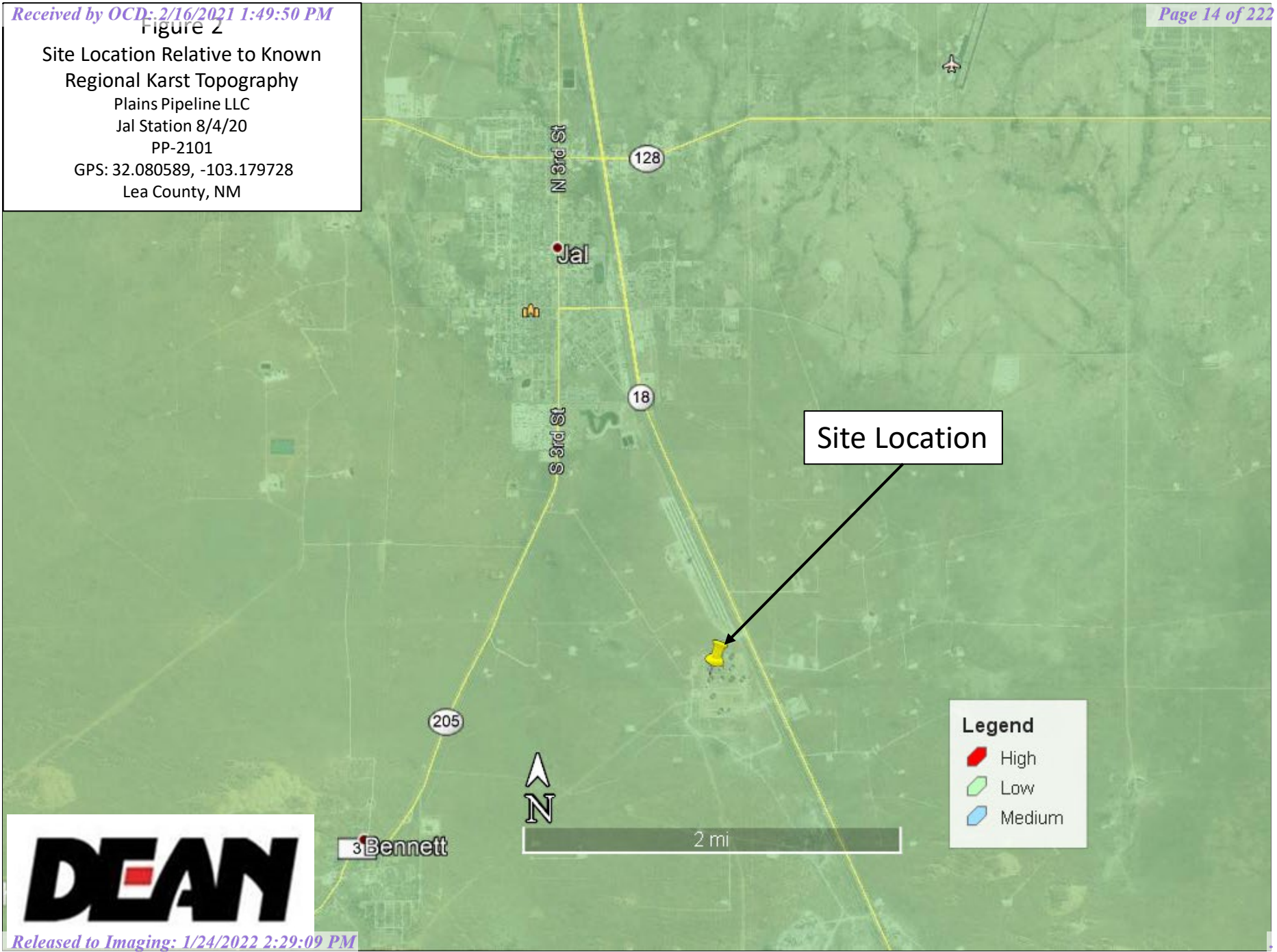


Figure 3

Site Details and Auger Hole Soil Sample Location Map

Plains Pipeline LLC

Jal Station 8/4/20

PP-2101

GPS: 32.080589, -103.179728

Lea County, NM

Legend

Initial Release Area:



Sample Point:



AH-1

AH-2



70 ft

DEAN

Figure 4

Aerial View of Release Area

Plains Pipeline LLC

Jal Station 8/4/20

PP-2101

GPS: 32.080589, -103.179728

Lea County, NM



DEAN

Figure 5

Site Details and Wall Soil Sample Location Map

Plains Pipeline LLC

Jal Station 8/4/20

PP-2101

GPS: 32.080589, -103.179728

Lea County, NM

Legend

Excavation Area:



Sample Point:

**DEAN**

Figure 6

Site Excavation and Liner Location Map

Plains Pipeline LLC

Jal Station 8/4/20

PP-2101

GPS: 32.080589, -103.179728

Lea County, NM

Legend

Excavation Area:



Liner:



70 ft

DEAN

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

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	NRM2022150038
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Plains Pipeline, L.P.	OGRID 713291
Contact Name Amber Groves	Contact Telephone 575-200-5517
Contact email algroves@paalp.com	Incident # (assigned by OCD)
Contact mailing address 577 US HWY 385 N Seminole, TX 79360	

Location of Release Source

Latitude 32.08015

Longitude -103.179785

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Jal Station Tank #1231 Pump	Site Type Tank Farm
Date Release Discovered 08/4/2020 @ 12:10 PM	API# (if applicable)

Unit Letter	Section	Township	Range	County
P	32	25S	37E	Lea

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: Plains Pipeline, LP)

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls) 10.7 bbls	Volume Recovered (bbls) 0 bbls
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

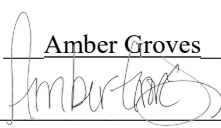
A seal failure on the pump resulted in an approximate 10.7 bbl release of crude oil.

Incident ID	NRM2022150038
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Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

☒ The source of the release has been stopped.	
☒ The impacted area has been secured to protect human health and the environment.	
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
☒ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Amber Groves</u>	Title: <u>Remediation Coordinator</u>
Signature: <u></u>	Date: <u>8/6/2020</u>
email: <u>algroves@paalp.com</u>	Telephone: <u>(575)200-5517</u>
<u>OCD Only</u>	
Received by: <u>Ramona Marcus</u>	Date: <u>8/8/2020</u>

APPENDIX B
SHELL OIL COMPANY GROUNDWATER GAUGING TABLES

Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

MW-01

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec. Grav.	Corrected GW Elev.
				Top	Bottom					
2/4/1999	2992.30	2994.62	TOC	85.00	94.50	90.27				2904.35
2/22/1999	2992.30	2994.62	TOC	85.00	94.50	90.19				2904.43
3/11/1999	2992.30	2994.62	TOC	85.00	94.50	90.31				2904.31
4/7/1999	2992.30	2994.62	TOC	85.00	94.50	90.63				2903.99
5/3/1999	2992.30	2994.62	TOC	85.00	94.50	90.22				2904.40
6/8/1999	2992.30	2994.62	TOC	85.00	94.50	90.40				2904.22
6/22/1999	2992.30	2994.62	TOC	85.00	94.50	90.43				2904.19
7/6/1999	2992.30	2994.62	TOC	85.00	94.50	90.41				2904.21
8/14/1999	2992.30	2994.62	TOC	85.00	94.50	90.48				2904.14
9/16/1999	2992.30	2994.62	TOC	85.00	94.50	90.44				2904.18
10/19/1999	2992.30	2994.62	TOC	85.00	94.50	90.43				2904.19
2/7/2000	2992.30	2994.62	TOC	85.00	94.50	90.48				2904.14
8/2/2000	2992.30	2994.62	TOC	85.00	94.50	90.58				2904.04
11/24/2000	2992.30	2994.62	TOC	85.00	94.50	90.68				2903.94
2/14/2001	2992.30	2994.62	TOC	85.00	94.50	90.88				2903.74
3/16/2001	2992.30	2994.62	TOC	85.00	94.50	93.35				2901.27
4/19/2001	2992.30	2994.62	TOC	85.00	94.50	93.30				2901.32
5/23/2001	2992.30	2994.62	TOC	85.00	94.50	91.13				2903.49
9/29/2001	2992.30	2994.62	TOC	85.00	94.50	90.83				2903.79
12/20/2001	2992.30	2994.62	TOC	85.00	94.50	93.95				2900.67
3/27/2002	2992.30	2994.62	TOC	85.00	94.50	91.88				2902.74
6/26/2002	2992.30	2994.62	TOC	85.00	94.50	92.08				2902.54
9/25/2002	2992.30	2994.62	TOC	85.00	94.50	92.28				2902.34
12/28/2002	2992.30	2994.62	TOC	85.00	94.50	92.53				2902.09
3/22/2003	2992.30	2994.62	TOC	85.00	94.50	92.83				2901.79
6/18/2003	2992.30	2994.62	TOC	85.00	94.50	92.88				2901.74
9/22/2003	2992.30	2994.62	TOC	85.00	94.50	93.13				2901.49
12/22/2003	2992.30	2994.62	TOC	85.00	94.50	93.33				2901.29
3/17/2004	2992.30	2994.62	TOC	85.00	94.50	93.28				2901.34
6/26/2004	2992.30	2994.62	TOC	85.00	94.50	93.43				2901.19
12/19/2004	2992.30	2994.62	TOC	85.00	94.50	94.85				2898.77
1/19/2005	2992.30	2994.62	TOC	85.00	94.50	94.40				2900.22
1/25/2005	2992.30	2994.62	TOC	85.00	94.50	94.25				2900.37
1/26/2005	2992.30	2994.62	TOC	85.00	94.50	94.25				2900.37
2/7/2005	2992.30	2994.62	TOC	85.00	94.50	94.10				2900.52
2/16/2005	2992.30	2994.62	TOC	85.00	94.50	94.20				2900.42
3/16/2005	2992.30	2994.62	TOC	85.00	94.50	93.85				2900.77
5/11/2005	2992.30	2994.62	TOC	85.00	94.50	93.45				2901.17
6/26/2005	2992.30	2994.62	TOC	85.00	94.50	93.30				2901.32
9/8/2005	2992.30	2994.62	TOC	85.00	94.50	93.10				2901.52
9/19/2005	2992.30	2994.62	TOC	85.00	94.50	93.05				2901.57

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Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

MW-01

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec. Grav.	Corrected GW Elev.
				Top	Bottom					
10/17/2005	2992.30	2994.62	TOC	85.00	94.50	93.02				2901.60
12/2/2005	2992.30	2994.62	TOC	85.00	94.50	92.95				2901.67
1/10/2006	2992.30	2994.62	TOC	85.00	94.50	92.95				2901.67
3/3/2006	2992.30	2994.62	TOC	85.00	94.50	92.90				2901.72
4/12/2006	2992.30	2994.62	TOC	85.00	94.50	92.95				2901.67
5/30/2006	2992.30	2994.62	TOC	85.00	94.50	92.90				2901.72
6/3/2006	2992.30	2994.62	TOC	85.00	94.50	92.90				2901.72
9/8/2006	2992.30	2994.62	TOC	85.00	94.50	92.90				2901.72
11/7/2006	2992.30	2994.62	TOC	85.00	94.50	93.10				2901.52
2/23/2007	2992.30	2994.62	TOC	85.00	94.50	93.30				2901.42
5/21/2007	2992.30	2994.62	TOC	85.00	94.50	93.35				2901.32
8/21/2007	2992.30	2994.62	TOC	85.00	94.50	93.00				2901.27
11/3/2007	2992.30	2994.62	2992.3	85.00	94.50	92.45				2901.62
2/27/2008	2992.30	2994.62	TOC	85.00	94.50	91.62				2902.17
6/13/2008	2992.30	2994.62	TOC	85.00	94.50	91.37				2903.00
7/4/2008	2992.30	2994.62	TOC	85.00	94.50	91.46				2903.25
7/24/2008	2992.30	2994.62	TOC	85.00	94.50	91.50				2903.16
8/25/2008	2992.30	2994.62	TOC	85.00	94.50	91.55				2903.12
12/6/2008	2992.30	2994.62	TOC	85.00	94.50	91.85				2903.07
3/11/2009	2992.30	2994.62	TOC	85.00	94.50	91.82				2902.77
6/29/2009	2992.30	2994.62	TOC	85.00	94.50	91.87				2902.80
9/17/2009	2992.30	2994.62	TOC	85.00	94.50	91.12				2902.75
12/20/2009	2992.30	2994.62	TOC	85.00	94.50	92.35				2903.50
2/20/2010	2992.30	2994.62	TOC	85.00	94.50	92.52				2902.27
6/28/2010	2992.30	2994.62	TOC	85.00	94.50	92.80				2902.10
10/23/2010	2992.30	2994.62	TOC	85.00	94.50	93.07				2901.82
3/18/2011	2992.30	2994.62	TOC	85.00	94.50	93.39				2901.55
6/18/2011	2992.30	2994.62	TOC	85.00	94.50	93.41				2901.23
12/31/2011	2992.30	2994.62	TOC	85.00	94.50	93.73				2901.21
3/31/2012	2992.30	2994.62	TOC	85.00	94.50	93.96				2900.88
										2900.66

MW-02

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec. Grav.	Corrected GW Elev.
				Top	Bottom					
2/4/1999	2987.02	2989.43	TOC	82.00	101.50	92.17	83.89	8.28	0.830	2904.13
2/22/1999	2987.02	2989.43	TOC	82.00	101.50	92.15	84.02	8.13	0.830	2904.03
3/11/1999	2987.02	2989.43	TOC	82.00	101.50	92.14	83.98	8.16	0.830	2904.06
3/24/1999	2987.02	2989.43	TOC	82.00	101.50	92.13	84.26	7.87	0.830	2903.83
3/31/1999	2987.02	2989.43	TOC	82.00	101.50	91.86	83.83	8.03	0.830	2904.23
4/2/1999	2987.02	2989.43	TOC	82.00	101.50	92.11	84.02	8.09	0.830	2904.03
4/7/1999	2987.02	2989.43	TOC	82.00	101.50	92.18	83.81	8.37	0.830	2904.20

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Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

MW-02

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec. Grav.	Corrected GW Elev.
				Top	Bottom					
7/15/1999	2987.02	2989.43	TOC	82.00	101.50	91.99	84.28	7.71	0.830	2903.84
10/26/1999	2987.02	2989.43	TOC	82.00	101.50	91.99	84.52	7.47	0.830	2903.64
8/2/2000	2987.02	2989.43	TOC	82.00	101.50	92.48	84.84	7.64	0.830	2903.29
11/24/2000	2987.02	2989.43	TOC	82.00	101.50	92.44	85.54	6.90	0.830	2902.72
2/14/2001	2987.02	2989.43	TOC	82.00	101.50	93.44	85.99	7.45	0.830	2902.17
5/23/2001	2987.02	2989.43	TOC	82.00	101.50	92.49	85.49	7.00	0.830	2902.75
9/29/2001	2987.02	2989.43	TOC	82.00	101.50	87.09	87.04	0.05	0.830	2902.38
12/20/2001	2987.02	2989.43	TOC	82.00	101.50	89.30	89.25	0.05	0.830	2900.17
3/27/2002	2987.02	2989.43	TOC	82.00	101.50	87.29	87.19	0.10	0.830	2902.22
6/26/2002	2987.02	2989.43	TOC	82.00	101.50	89.29	86.99	2.30	0.830	2902.05
12/28/2002	2987.02	2989.43	TOC	82.00	101.50	87.51	87.49	0.02	0.830	2901.94
9/22/2003	2987.02	2989.43	TOC	82.00	101.50	87.89	87.84	0.05	0.830	2901.58
12/22/2003	2987.02	2989.43	TOC	82.00	101.50	88.34	88.29	0.05	0.830	2901.13
3/17/2004	2987.02	2989.43	TOC	82.00	101.50	91.64	88.59	3.05	0.830	2900.32
6/26/2004	2987.02	2989.43	TOC	82.00	101.50	90.84	88.64	2.20	0.830	2900.42
9/8/2005	2987.02	2989.43	TOC	82.00	101.50	89.06	89.05	0.01	0.830	2900.38
9/27/2005	2987.02	2989.43	TOC	82.00	101.50	88.95	88.85	0.10	0.830	2900.56
10/2/2005	2987.02	2989.43	TOC	82.00	101.50	88.85	88.75	0.10	0.830	2900.66
10/14/2005	2987.02	2989.43	TOC	82.00	101.50	89.00	88.85	0.15	0.830	2900.55
10/17/2005	2987.02	2989.43	TOC	82.00	101.50	89.00	88.95	0.05	0.830	2900.47
10/24/2005	2987.02	2989.43	TOC	82.00	101.50	88.97	88.80	0.17	0.830	2900.60
12/2/2005	2987.02	2989.43	TOC	82.00	101.50	88.80	88.70	0.10	0.830	2900.71
6/7/2008	2987.02	2989.43	TOC	82.00	101.50	87.61	87.61		0.830	2901.82
7/4/2008	2987.02	2989.43	TOC	82.00	101.50	87.57	87.57		0.830	2901.86
7/24/2008	2987.02	2989.43	TOC	82.00	101.50	87.77	87.77		0.830	2901.66
8/26/2008	2987.02	2989.43	TOC	82.00	101.50	87.32	87.31	0.01	0.830	2902.12
12/8/2008	2987.02	2989.43	TOC	82.00	101.50	87.30	87.28	0.02	0.830	2902.15
3/14/2009	2987.02	2989.43	TOC	82.00	101.50	87.40	87.37	0.03	0.830	2902.05
6/29/2009	2987.02	2989.43	TOC	82.00	101.50	87.55	87.53	0.02	0.830	2901.90
9/17/2009	2987.02	2989.43	TOC	82.00	101.50	87.94	87.92	0.02	0.830	2901.51
12/20/2009	2987.02	2989.43	TOC	82.00	101.50	88.05	88.03	0.02	0.830	2901.40
2/22/2010	2987.02	2989.43	TOC	82.00	101.50	88.17	88.16	0.01	0.830	2901.27
6/28/2010	2987.02	2989.43	TOC	82.00	101.50	88.43	88.43		0.830	2901.00
10/23/2010	2987.02	2989.43	TOC	82.00	101.50	88.72	88.72		0.830	2900.71
3/18/2011	2987.02	2989.43	TOC	82.00	101.50	89.25	89.00	0.25	0.830	2900.39
6/18/2011	2987.02	2989.43	TOC	82.00	101.50	89.28	89.10	0.18	0.830	2900.30
12/31/2011	2987.02	2989.43	TOC	82.00	101.50	89.59	89.40	0.19	0.830	2900.00
3/31/2012	2987.02	2989.43	TOC	82.00	101.50	89.87	89.57	0.30	0.830	2899.81

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Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

MW-03

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec. Grav.	Corrected GW Elev.
				Top	Bottom					
2/4/1999	2987.91	2990.81	TOC	85.00	100.00	92.55	84.52	8.03	0.830	2904.93
2/22/1999	2987.91	2990.81	TOC	85.00	100.00	92.53	84.53	8.00	0.830	2904.92
3/11/1999	2987.91	2990.81	TOC	85.00	100.00	92.49	84.64	7.85	0.830	2904.84
3/24/1999	2987.91	2990.81	TOC	85.00	100.00	92.45	84.58	7.87	0.830	2904.89
3/31/1999	2987.91	2990.81	TOC	85.00	100.00	92.42	84.71	7.71	0.830	2904.79
4/2/1999	2987.91	2990.81	TOC	85.00	100.00	92.45	84.74	7.71	0.830	2904.76
7/15/1999	2987.91	2990.81	TOC	85.00	100.00	95.20	87.34	7.86	0.830	2902.13
8/7/1999	2987.91	2990.81	TOC	85.00	100.00	92.44	84.89	7.55	0.830	2904.64
8/14/1999	2987.91	2990.81	TOC	85.00	100.00	92.50	85.02	7.48	0.830	2904.52
8/22/1999	2987.91	2990.81	TOC	85.00	100.00	95.25	88.60	6.65	0.830	2901.08
9/1/1999	2987.91	2990.81	TOC	85.00	100.00	92.50	85.05	7.45	0.830	2904.49
9/11/1999	2987.91	2990.81	TOC	85.00	100.00	95.31	87.86	7.45	0.830	2901.68
9/18/1999	2987.91	2990.81	TOC	85.00	100.00	92.35	84.92	7.43	0.830	2904.63
9/25/1999	2987.91	2990.81	TOC	85.00	100.00	92.45	85.20	7.25	0.830	2904.38
10/2/1999	2987.91	2990.81	TOC	85.00	100.00	92.35	85.95	6.40	0.830	2903.77
10/9/1999	2987.91	2990.81	TOC	85.00	100.00	94.93	87.63	7.30	0.830	2901.94
10/15/1999	2987.91	2990.81	TOC	85.00	100.00	96.10	87.75	7.35	0.830	2901.81
10/21/1999	2987.91	2990.81	TOC	85.00	100.00	92.35	85.05	7.30	0.830	2904.52
10/26/1999	2987.91	2990.81	TOC	85.00	100.00	92.35	85.10	7.25	0.830	2904.48
8/2/2000	2987.91	2990.81	TOC	85.00	100.00	92.50	84.83	7.67	0.830	2904.68
11/24/2000	2987.91	2990.81	TOC	85.00	100.00	92.31	87.10	5.21	0.830	2902.82
2/14/2001	2987.91	2990.81	TOC	85.00	100.00	88.82	88.80	0.02	0.830	2902.01
3/16/2001	2987.91	2990.81	TOC	85.00	100.00	96.90	91.10	5.80	0.830	2898.72
4/18/2001	2987.91	2990.81	TOC	85.00	100.00	96.40	91.00	5.40	0.830	2898.89
5/23/2001	2987.91	2990.81	TOC	85.00	100.00	93.70	88.10	5.60	0.830	2901.76
9/29/2001	2987.91	2990.81	TOC	85.00	100.00	94.20	88.45	5.75	0.830	2901.38
12/20/2001	2987.91	2990.81	TOC	85.00	100.00	97.20	91.35	5.85	0.830	2898.47
3/27/2002	2987.91	2990.81	TOC	85.00	100.00	93.75	89.10	4.65	0.830	2900.92
6/26/2002	2987.91	2990.81	TOC	85.00	100.00	88.55	88.50	0.05	0.830	2902.30
12/28/2002	2987.91	2990.81	TOC	85.00	100.00	89.32	89.30	0.02	0.830	2901.51
9/22/2003	2987.91	2990.81	TOC	85.00	100.00	90.30	90.25	0.05	0.830	2900.56
12/22/2003	2987.91	2990.81	TOC	85.00	100.00	89.20	89.15	0.05	0.830	2901.85
6/26/2004	2987.91	2990.81	TOC	85.00	100.00	90.50	90.48	0.02	0.830	2900.33
6/9/2005	2987.91	2990.81	TOC	85.00	100.00	89.20	89.20		0.830	2901.61
9/8/2005	2987.91	2990.81	TOC	85.00	100.00	90.20	89.95	0.25	0.830	2900.82
9/27/2005	2987.91	2990.81	TOC	85.00	100.00	90.00	89.80	0.20	0.830	2900.98
10/2/2005	2987.91	2990.81	TOC	85.00	100.00	89.95	89.80	0.15	0.830	2900.98
10/14/2005	2987.91	2990.81	TOC	85.00	100.00	89.98	89.82	0.16	0.830	2900.95
10/17/2005	2987.91	2990.81	TOC	85.00	100.00	89.93	89.80	0.13	0.830	2900.99
10/24/2005	2987.91	2990.81	TOC	85.00	100.00	89.95	89.82	0.13	0.830	2900.97
12/2/2005	2987.91	2990.81	TOC	85.00	100.00	89.90	89.75	0.15	0.830	2901.03

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Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

MW-03

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec. Grav.	Corrected GW Elev.
				Top	Bottom					
1/10/2006	2987.91	2990.81	TOC	85.00	100.00	90.10	90.05	0.05	0.830	2900.75
3/3/2006	2987.91	2990.81	TOC	85.00	100.00	89.74				2901.07
9/6/2006	2987.91	2990.81	TOC	85.00	100.00	90.10				2900.71
2/26/2008	2987.91	2990.81	TOC	85.00	100.00	88.90				2901.91
6/16/2008	2987.91	2990.81	TOC	85.00	100.00	88.35				2902.46
7/4/2008	2987.91	2990.81	TOC	85.00	100.00	88.45				2902.36
7/24/2008	2987.91	2990.81	TOC	85.00	100.00	88.41	88.41		0.830	2902.40
8/26/2008	2987.91	2990.81	TOC	85.00	100.00	88.40	88.40		0.830	2902.41
12/8/2008	2987.91	2990.81	TOC	85.00	100.00	88.34	88.34		0.830	2902.47
3/14/2009	2987.91	2990.81	TOC	85.00	100.00	88.36	88.36		0.830	2902.45
6/29/2009	2987.91	2990.81	TOC	85.00	100.00	88.62	88.62		0.830	2902.19
9/16/2009	2987.91	2990.81	TOC	85.00	100.00	89.00	89.00		0.830	2901.81
12/20/2009	2987.91	2990.81	TOC	85.00	100.00	89.10				2901.71
2/21/2010	2987.91	2990.81	TOC	85.00	100.00	89.29	89.29		0.830	2901.52
6/28/2010	2987.91	2990.81	TOC	85.00	100.00	89.51				2901.30
10/23/2010	2987.91	2990.81	TOC	85.00	100.00	89.85	89.84	0.01	0.830	2900.97
1/19/2011	2987.91	2990.81	TOC	85.00	100.00	89.91				2900.90
3/18/2011	2987.91	2990.81	TOC	85.00	100.00	90.12				2900.69
6/19/2011	2987.91	2990.81	TOC	85.00	100.00	90.18				2900.63
12/31/2011	2987.91	2990.81	TOC	85.00	100.00	90.50	90.49	0.01	0.830	2900.32
3/31/2012	2987.91	2990.81	TOC	85.00	100.00	90.74	90.71	0.03	0.830	2900.09

MW-04

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec. Grav.	Corrected GW Elev.
				Top	Bottom					
2/4/1999	2988.22	2991.16	TOC	77.00	97.00	85.83				2905.33
2/22/1999	2988.22	2991.16	TOC	77.00	97.00	85.90				2905.26
3/11/1999	2988.22	2991.16	TOC	77.00	97.00	85.94				2905.22
4/7/1999	2988.22	2991.16	TOC	77.00	97.00	86.11				2905.05
5/3/1999	2988.22	2991.16	TOC	77.00	97.00	86.00	86.94	0.06	0.830	2905.21
5/10/1999	2988.22	2991.16	TOC	77.00	97.00	86.18	86.06	0.12	0.830	2905.08
5/18/1999	2988.22	2991.16	TOC	77.00	97.00	86.31	86.16	0.15	0.830	2904.97
5/24/1999	2988.22	2991.16	TOC	77.00	97.00	86.30	86.14	0.16	0.830	2904.99
6/1/1999	2988.22	2991.16	TOC	77.00	97.00	86.14	86.01	0.13	0.830	2905.13
6/8/1999	2988.22	2991.16	TOC	77.00	97.00	86.28	86.09	0.19	0.830	2905.04
6/14/1999	2988.22	2991.16	TOC	77.00	97.00	86.20	85.99	0.21	0.830	2905.13
6/22/1999	2988.22	2991.16	TOC	77.00	97.00	86.08	85.87	0.21	0.830	2905.25
7/2/1999	2988.22	2991.16	TOC	77.00	97.00	86.14	85.87	0.27	0.830	2905.24
7/6/1999	2988.22	2991.16	TOC	77.00	97.00	86.50	86.16	0.34	0.830	2904.94
7/13/1999	2988.22	2991.16	TOC	77.00	97.00	86.56	86.20	0.36	0.830	2904.90
7/20/1999	2988.22	2991.16	TOC	77.00	97.00	86.54	86.16	0.38	0.830	2904.84

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Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

MW-04

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen Top	Depth of Screen Bottom	Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec. Grav.	Corrected GW Elev.
7/26/1999	2988.22	2991.16	TOC	77.00	97.00	86.56	86.16	0.40	0.830	2904.93
8/7/1999	2988.22	2991.16	TOC	77.00	97.00	86.77	86.30	0.47	0.830	2904.78
8/14/1999	2988.22	2991.16	TOC	77.00	97.00	86.89	86.31	0.58	0.830	2904.75
8/22/1999	2988.22	2991.16	TOC	77.00	97.00	86.91	86.26	0.65	0.830	2904.79
9/1/1999	2988.22	2991.16	TOC	77.00	97.00	86.86	86.21	0.65	0.830	2904.84
9/11/1999	2988.22	2991.16	TOC	77.00	97.00	87.08	86.29	0.79	0.830	2904.74
9/16/1999	2988.22	2991.16	TOC	77.00	97.00	87.06	86.26	0.80	0.830	2904.76
9/25/1999	2988.22	2991.16	TOC	77.00	97.00	87.11	86.20	0.91	0.830	2904.81
10/2/1999	2988.22	2991.16	TOC	77.00	97.00	87.11	86.20	0.96	0.830	2904.80
10/9/1999	2988.22	2991.16	TOC	77.00	97.00	87.16	86.13	1.05	0.830	2904.85
10/15/1999	2988.22	2991.16	TOC	77.00	97.00	87.16	86.11	1.05	0.830	2904.87
10/21/1999	2988.22	2991.16	TOC	77.00	97.00	87.41	86.21	1.20	0.830	2904.75
10/26/1999	2988.22	2991.16	TOC	77.00	97.00	87.43	86.19	1.24	0.830	2904.76
8/2/2000	2988.22	2991.16	TOC	77.00	97.00	89.21	86.32	2.89	0.830	2904.35
11/24/2000	2988.22	2991.16	TOC	77.00	97.00	90.46	88.26	2.20	0.830	2902.53
2/14/2001	2988.22	2991.16	TOC	77.00	97.00	89.46	88.71	0.75	0.830	2902.32
3/16/2001	2988.22	2991.16	TOC	77.00	97.00	92.70	91.65	1.05	0.830	2899.33
4/19/2001	2988.22	2991.16	TOC	77.00	97.00	93.30	91.50	1.80	0.830	2899.35
5/23/2001	2988.22	2991.16	TOC	77.00	97.00	90.26	88.66	1.60	0.830	2902.23
9/29/2001	2988.22	2991.16	TOC	77.00	97.00	92.66	88.61	4.05	0.830	2901.86
12/20/2001	2988.22	2991.16	TOC	77.00	97.00	94.80	90.80	4.00	0.830	2899.68
3/27/2002	2988.22	2991.16	TOC	77.00	97.00	92.06	88.26	3.80	0.830	2902.25
6/26/2002	2988.22	2991.16	TOC	77.00	97.00	88.31	88.26	0.05	0.830	2902.89
12/28/2002	2988.22	2991.16	TOC	77.00	97.00	90.38	90.36	0.02	0.830	2900.80
9/22/2003	2988.22	2991.16	TOC	77.00	97.00	90.46	90.44	0.02	0.830	2900.72
12/22/2003	2988.22	2991.16	TOC	77.00	97.00	89.51	89.46	0.05	0.830	2901.69
6/26/2004	2988.22	2991.16	TOC	77.00	97.00	90.81	90.78	0.03	0.830	2900.37
12/19/2004	2988.22	2991.16	TOC	77.00	97.00	91.85	91.80	0.05	0.830	2899.35
1/19/2005	2988.22	2991.16	TOC	77.00	97.00	91.56	91.55	0.01	0.830	2899.61
1/25/2005	2988.22	2991.16	TOC	77.00	97.00	91.36	91.35	0.01	0.830	2899.81
1/26/2005	2988.22	2991.16	TOC	77.00	97.00	91.36	91.35	0.01	0.830	2899.81
2/7/2005	2988.22	2991.16	TOC	77.00	97.00	91.27	91.26	0.01	0.830	2899.90
2/16/2005	2988.22	2991.16	TOC	77.00	97.00	91.30	91.25	0.05	0.830	2899.90
3/16/2005	2988.22	2991.16	TOC	77.00	97.00	90.90	90.88	0.02	0.830	2900.28
5/11/2005	2988.22	2991.16	TOC	77.00	97.00	90.56	90.55	0.01	0.830	2900.61
6/9/2005	2988.22	2991.16	TOC	77.00	97.00	90.70	90.70		0.830	2900.46
6/26/2005	2988.22	2991.16	TOC	77.00	97.00	90.66	90.65	0.01	0.830	2900.51
9/8/2005	2988.22	2991.16	TOC	77.00	97.00	90.21	90.20	0.01	0.830	2900.96
9/27/2005	2988.22	2991.16	TOC	77.00	97.00	90.15	90.15		0.830	2901.01
10/2/2005	2988.22	2991.16	TOC	77.00	97.00	90.05				2901.11
10/14/2005	2988.22	2991.16	TOC	77.00	97.00	90.08				2901.08

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Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

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Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec. Grav.	Corrected GW Elev.
				Top	Bottom					
10/17/2005	2988.22	2991.16	TOC	77.00	97.00	90.10				2901.06
10/24/2005	2988.22	2991.16	TOC	77.00	97.00	90.15				2901.01
12/22/2005	2988.22	2991.16	TOC	77.00	97.00	89.10				2902.06
1/10/2006	2988.22	2991.16	TOC	77.00	97.00	90.25	90.00	0.25	0.830	2901.12
3/3/2006	2988.22	2991.16	TOC	77.00	97.00	90.00				2901.16
4/12/2006	2988.22	2991.16	TOC	77.00	97.00	90.30				2900.86
5/30/2006	2988.22	2991.16	TOC	77.00	97.00	90.22				2900.94
11/8/2006	2988.22	2991.16	TOC	77.00	97.00	90.66				2900.68
5/22/2007	2988.22	2991.16	TOC	77.00	97.00	90.48				2900.68
11/5/2007	2988.22	2991.16	2988.22	77.00	97.00	89.55				2901.61
6/15/2008	2988.22	2991.16	TOC	77.00	97.00	88.65				2902.51
7/4/2008	2988.22	2991.16	TOC	77.00	97.00	88.70				2902.46
7/24/2008	2988.22	2991.16	TOC	77.00	97.00	88.66	88.66		0.830	2902.50
8/26/2008	2988.22	2991.16	TOC	77.00	97.00	88.65	88.65		0.830	2902.51
12/8/2008	2988.22	2991.16	TOC	77.00	97.00	88.65	88.65		0.830	2902.51
3/14/2009	2988.22	2991.16	TOC	77.00	97.00	88.66	88.66		0.830	2902.50
6/29/2009	2988.22	2991.16	TOC	77.00	97.00	88.88				2902.28
8/17/2009	2988.22	2991.16	TOC	77.00	97.00	89.28				2901.88
12/20/2009	2988.22	2991.16	TOC	77.00	97.00	89.40				2901.76
2/22/2010	2988.22	2991.16	TOC	77.00	97.00	89.62				2901.54
6/28/2010	2988.22	2991.16	TOC	77.00	97.00	89.81				2901.35
10/23/2010	2988.22	2991.16	TOC	77.00	97.00	90.15				2901.01
3/18/2011	2988.22	2991.16	TOC	77.00	97.00	90.30				2900.86
6/18/2011	2988.22	2991.16	TOC	77.00	97.00	90.50				2900.66
12/31/2011	2988.22	2991.16	TOC	77.00	97.00	90.81	90.80	0.01	0.830	2900.36
3/31/2012	2988.22	2991.16	TOC	77.00	97.00	91.04	91.00	0.04	0.830	2900.15

MW-05

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec. Grav.	Corrected GW Elev.
				Top	Bottom					
2/4/1999	2988.47	2991.38	TOC	80.00	95.00	86.03				2905.35
2/22/1999	2988.47	2991.38	TOC	80.00	95.00	86.07				2905.31
3/11/1999	2988.47	2991.38	TOC	80.00	95.00	86.21				2905.17
4/7/1999	2988.47	2991.38	TOC	80.00	95.00	86.25				2905.13
5/3/1999	2988.47	2991.38	TOC	80.00	95.00	86.14				2905.24
6/8/1999	2988.47	2991.38	TOC	80.00	95.00	86.49				2904.89
6/22/1999	2988.47	2991.38	TOC	80.00	95.00	86.35				2905.03
7/6/1999	2988.47	2991.38	TOC	80.00	95.00	86.43				2904.95
8/14/1999	2988.47	2991.38	TOC	80.00	95.00	86.54				2904.84
9/16/1999	2988.47	2991.38	TOC	80.00	95.00	86.54				2904.84
10/19/1999	2988.47	2991.38	TOC	80.00	95.00	86.46				2904.92

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Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

MW-05

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen Top	Depth of Screen Bottom	Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec. Grav.	Corrected GW Elev.
2/7/2000	2988.47	2991.38	TOC	80.00	95.00	86.69				2904.69
8/2/2000	2988.47	2991.38	TOC	80.00	95.00	86.90				2904.48
11/24/2000	2988.47	2991.38	TOC	80.00	95.00	87.04				2904.34
2/21/2001	2988.47	2991.38	TOC	80.00	95.00	87.49				2903.89
3/16/2001	2988.47	2991.38	TOC	80.00	95.00	90.35				2901.03
4/19/2001	2988.47	2991.38	TOC	80.00	95.00	90.30				2901.08
5/23/2001	2988.47	2991.38	TOC	80.00	95.00	87.49				2903.89
9/29/2001	2988.47	2991.38	TOC	80.00	95.00	87.79				2903.59
12/20/2001	2988.47	2991.38	TOC	80.00	95.00	90.90				2900.48
3/27/2002	2988.47	2991.38	TOC	80.00	95.00	88.24				2903.14
6/26/2002	2988.47	2991.38	TOC	80.00	95.00	88.44				2902.94
9/25/2002	2988.47	2991.38	TOC	80.00	95.00	88.89				2902.49
12/28/2002	2988.47	2991.38	TOC	80.00	95.00	89.04				2902.34
3/22/2003	2988.47	2991.38	TOC	80.00	95.00	89.34				2902.04
6/18/2003	2988.47	2991.38	TOC	80.00	95.00	89.29				2902.09
9/22/2003	2988.47	2991.38	TOC	80.00	95.00	89.59				2901.79
12/22/2003	2988.47	2991.38	TOC	80.00	95.00	89.79				2901.59
3/17/2004	2988.47	2991.38	TOC	80.00	95.00	89.74				2901.64
6/26/2004	2988.47	2991.38	TOC	80.00	95.00	89.94				2901.44
12/19/2004	2988.47	2991.38	TOC	80.00	95.00	91.85				2899.53
1/19/2005	2988.47	2991.38	TOC	80.00	95.00	91.60				2899.78
1/25/2005	2988.47	2991.38	TOC	80.00	95.00	91.45				2899.93
1/26/2005	2988.47	2991.38	TOC	80.00	95.00	91.50				2899.88
2/7/2005	2988.47	2991.38	TOC	80.00	95.00	91.35				2900.03
2/16/2005	2988.47	2991.38	TOC	80.00	95.00	91.40				2899.98
3/16/2005	2988.47	2991.38	TOC	80.00	95.00	91.10				2900.28
5/11/2005	2988.47	2991.38	TOC	80.00	95.00	90.85				2900.53
6/26/2005	2988.47	2991.38	TOC	80.00	95.00	90.65				2900.73
9/8/2005	2988.47	2991.38	TOC	80.00	95.00	90.30				2901.08
9/19/2005	2988.47	2991.38	TOC	80.00	95.00	90.25				2901.13
10/17/2005	2988.47	2991.38	TOC	80.00	95.00	90.12				2901.26
12/2/2005	2988.47	2991.38	TOC	80.00	95.00	90.00				2901.38
1/10/2006	2988.47	2991.38	TOC	80.00	95.00	90.20				2901.18
3/3/2006	2988.47	2991.38	TOC	80.00	95.00	90.15				2901.23
4/12/2006	2988.47	2991.38	TOC	80.00	95.00	90.21				2901.17
5/30/2006	2988.47	2991.38	TOC	80.00	95.00	90.15				2901.23
6/3/2006	2988.47	2991.38	TOC	80.00	95.00	90.15				2901.23
9/8/2006	2988.47	2991.38	TOC	80.00	95.00	90.31				2901.07
11/7/2006	2988.47	2991.38	TOC	80.00	95.00	90.40				2900.98
2/23/2007	2988.47	2991.38	TOC	80.00	95.00	90.40				2900.98
5/21/2007	2988.47	2991.38	TOC	80.00	95.00	90.45				2900.93

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Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

MW-05

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec. Grav.	Corrected GW Elev.
				Top	Bottom					
8/21/2007	2988.47	2991.38	TOC	80.00	95.00	90.02				2901.36
11/3/2007	2988.47	2991.38	2988.47	80.00	95.00	98.30				2902.08
2/27/2008	2988.47	2991.38	TOC	80.00	95.00	88.80				2902.58
6/13/2008	2988.47	2991.38	TOC	80.00	95.00	88.62				2902.76
7/4/2008	2988.47	2991.38	TOC	80.00	95.00	86.70				2902.68
7/24/2008	2988.47	2991.38	TOC	80.00	95.00	88.70				2902.68
8/25/2008	2988.47	2991.38	TOC	80.00	95.00	88.70				2902.68
12/6/2008	2988.47	2991.38	TOC	80.00	95.00	88.78				2902.60
3/11/2009	2988.47	2991.38	TOC	80.00	95.00	88.97				2902.41
6/29/2009	2988.47	2991.38	TOC	80.00	95.00	88.25				2902.13
9/17/2009	2988.47	2991.38	TOC	80.00	95.00	89.47				2901.91
12/20/2009	2988.47	2991.38	TOC	80.00	95.00	89.60				2901.78
2/20/2010	2988.47	2991.38	TOC	80.00	95.00	89.87				2901.51
6/28/2010	2988.47	2991.38	TOC	80.00	95.00	90.12				2901.26
10/23/2010	2988.47	2991.38	TOC	80.00	95.00	90.35				2901.03
3/18/2011	2988.47	2991.38	TOC	80.00	95.00	90.54				2900.84
6/18/2011	2988.47	2991.38	TOC	80.00	95.00	90.86				2900.52
12/31/2011	2988.47	2991.38	TOC	80.00	95.00	91.08				2900.30
3/31/2012	2988.47	2991.38	TOC	80.00	95.00					

MW-06

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec. Grav.	Corrected GW Elev.
				Top	Bottom					
2/4/1999	2987.40	2990.17	TOC	80.00	95.00	87.01	84.72	2.29	0.830	2905.06
2/22/1999	2987.40	2990.17	TOC	80.00	95.00	88.75	84.61	4.14	0.830	2904.86
3/3/1999	2987.40	2990.17	TOC	80.00	95.00	89.16	84.63	4.53	0.830	2904.77
7/15/1999	2987.40	2990.17	TOC	80.00	95.00	88.48	85.16	3.32	0.830	2904.45
8/7/1999	2987.40	2990.17	TOC	80.00	95.00	90.69	85.76	4.93	0.830	2903.57
8/14/1999	2987.40	2990.17	TOC	80.00	95.00	90.98	84.98	6.00	0.830	2904.17
8/22/1999	2987.40	2990.17	TOC	80.00	95.00	90.98	84.90	6.08	0.830	2904.24
9/1/1999	2987.40	2990.17	TOC	80.00	95.00	90.93	84.87	6.06	0.830	2904.27
9/11/1999	2987.40	2990.17	TOC	80.00	95.00	91.11	84.95	6.16	0.830	2904.17
9/16/1999	2987.40	2990.17	TOC	80.00	95.00	91.00	84.88	6.12	0.830	2904.25
9/25/1999	2987.40	2990.17	TOC	80.00	95.00	90.85	84.83	6.02	0.830	2904.32
10/2/1999	2987.40	2990.17	TOC	80.00	95.00	90.88	84.84	6.04	0.830	2904.30
10/9/1999	2987.40	2990.17	TOC	80.00	95.00	90.86	84.82	6.04	0.830	2904.32
10/15/1999	2987.40	2990.17	TOC	80.00	95.00	90.88	84.80	6.08	0.830	2904.34
10/21/1999	2987.40	2990.17	TOC	80.00	95.00	91.05	84.88	6.17	0.830	2904.24
10/26/1999	2987.40	2990.17	TOC	80.00	95.00	91.03	84.88	6.15	0.830	2904.24
8/2/2000	2987.40	2990.17	TOC	80.00	95.00	92.03	85.23	6.80	0.830	2903.78
11/24/2000	2987.40	2990.17	TOC	80.00	95.00	92.33	85.83	6.50	0.830	2903.23

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Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

MW-06

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen Top	Depth of Screen Bottom	Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec. Grav.	Corrected GW Elev.
2/14/2001	2987.40	2990.17	TOC	80.00	95.00	89.83	89.73	0.10	0.830	2900.42
3/16/2001	2987.40	2990.17	TOC	80.00	95.00	92.60	92.50	0.10	0.830	2897.65
4/19/2001	2987.40	2990.17	TOC	80.00	95.00	92.55	92.45	0.10	0.830	2897.70
5/23/2001	2987.40	2990.17	TOC	80.00	95.00	89.83	89.78	0.05	0.830	2900.38
9/29/2001	2987.40	2990.17	TOC	80.00	95.00	89.73				2900.44
12/20/2001	2987.40	2990.17	TOC	80.00	95.00	92.15	92.10	0.05	0.830	2898.06
3/27/2002	2987.40	2990.17	TOC	80.00	95.00	89.53	89.51	0.02	0.830	2900.66
6/26/2002	2987.40	2990.17	TOC	80.00	95.00	89.78	89.73	0.05	0.830	2900.43
12/28/2002	2987.40	2990.17	TOC	80.00	95.00	89.65	89.63	0.02	0.830	2900.54
9/22/2003	2987.40	2990.17	TOC	80.00	95.00	91.43	88.33	3.10	0.830	2901.31
12/22/2003	2987.40	2990.17	TOC	80.00	95.00	89.28	89.23	0.05	0.830	2900.93
3/17/2004	2987.40	2990.17	TOC	80.00	95.00	91.63	88.73	2.90	0.830	2900.95
6/26/2004	2987.40	2990.17	TOC	80.00	95.00	90.38	90.35	0.03	0.830	2899.81
12/19/2004	2987.40	2990.17	TOC	80.00	95.00	92.20	91.28	0.92	0.830	2898.73
1/25/2005	2987.40	2990.17	TOC	80.00	95.00	91.05	90.95	0.10	0.830	2899.20
1/26/2005	2987.40	2990.17	TOC	80.00	95.00	91.07	90.97	0.10	0.830	2899.18
2/7/2005	2987.40	2990.17	TOC	80.00	95.00	91.00	90.85	0.15	0.830	2899.29
2/16/2005	2987.40	2990.17	TOC	80.00	95.00	90.95	91.10		0.830	2899.22
3/16/2005	2987.40	2990.17	TOC	80.00	95.00	90.60	90.51	0.09	0.830	2899.64
6/9/2005	2987.40	2990.17	TOC	80.00	95.00	90.24	90.22	0.02	0.830	2899.95
6/26/2005	2987.40	2990.17	TOC	80.00	95.00	90.25	90.25		0.830	2899.92
9/27/2005	2987.40	2990.17	TOC	80.00	95.00	90.21	90.20	0.01	0.830	2899.97
10/2/2005	2987.40	2990.17	TOC	80.00	95.00	89.85	89.70	0.15	0.830	2900.44
10/14/2005	2987.40	2990.17	TOC	80.00	95.00	89.80	89.65	0.15	0.830	2900.49
10/17/2005	2987.40	2990.17	TOC	80.00	95.00	89.60				2900.57
10/24/2005	2987.40	2990.17	TOC	80.00	95.00	89.73	89.59	0.14	0.830	2900.56
12/2/2005	2987.40	2990.17	TOC	80.00	95.00	89.77	89.60	0.17	0.830	2900.54
3/3/2006	2987.40	2990.17	TOC	80.00	95.00	89.60	89.50	0.10	0.830	2900.65
4/12/2006	2987.40	2990.17	TOC	80.00	95.00	89.70	89.68	0.02	0.830	2900.49
5/30/2006	2987.40	2990.17	TOC	80.00	95.00	89.78				2900.39
6/7/2006	2987.40	2990.17	TOC	80.00	95.00	89.62				2900.57
9/8/2006	2987.40	2990.17	TOC	80.00	95.00	89.65				2900.55
6/17/2008	2987.40	2990.17	TOC	80.00	95.00	88.30				2900.32
7/4/2008	2987.40	2990.17	TOC	80.00	95.00	88.25	88.25			2901.87
7/24/2008	2987.40	2990.17	TOC	80.00	95.00	88.18	88.18		0.830	2901.92
8/26/2008	2987.40	2990.17	TOC	80.00	95.00	88.07	88.07		0.830	2901.99
12/8/2008	2987.40	2990.17	TOC	80.00	95.00	88.07	88.07		0.830	2902.10
3/14/2009	2987.40	2990.17	TOC	80.00	95.00	88.18	88.18		0.830	2902.10
6/29/2009	2987.40	2990.17	TOC	80.00	95.00	88.32	88.32		0.830	2901.99
9/16/2009	2987.40	2990.17	TOC	80.00	95.00	88.67	88.67		0.830	2901.85

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Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

MW-06

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec. Grav.	Corrected GW Elev.
				Top	Bottom					
12/20/2009	2987.40	2990.17	TOC	80.00	95.00	88.78				2901.39
2/24/2010	2987.40	2990.17	TOC	80.00	95.00	89.01				2901.16
6/28/2010	2987.40	2990.17	TOC	80.00	95.00	89.20	89.17	0.03	0.830	2900.99
10/23/2010	2987.40	2990.17	TOC	80.00	95.00	89.61	89.54	0.07	0.830	2900.62
1/19/2011	2987.40	2990.17	TOC	80.00	95.00	89.50	89.48	0.02	0.830	2900.69
3/18/2011	2987.40	2990.17	TOC	80.00	95.00	89.69	89.66	0.03	0.830	2900.50
6/18/2011	2987.40	2990.17	TOC	80.00	95.00	89.85	89.81	0.04	0.830	2900.35
12/31/2011	2987.40	2990.17	TOC	80.00	95.00	90.17	90.07	0.10	0.830	2900.08
3/31/2012	2987.40	2990.17	TOC	80.00	95.00	90.42	90.26	0.16	0.830	2899.88

MW-07

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec. Grav.	Corrected GW Elev.
				Top	Bottom					
2/4/1999	2986.31	2989.47	TOC	80.00	95.00	84.03				2905.44
2/22/1999	2986.31	2989.47	TOC	80.00	95.00	84.13				2905.34
3/11/1999	2986.31	2989.47	TOC	80.00	95.00	84.26				2905.21
4/7/1999	2986.31	2989.47	TOC	80.00	95.00	84.35				2905.12
5/3/1999	2986.31	2989.47	TOC	80.00	95.00	84.36	84.18	0.18	0.830	2905.26
5/10/1999	2986.31	2989.47	TOC	80.00	95.00	84.58	84.24	0.34	0.830	2905.17
5/18/1999	2986.31	2989.47	TOC	80.00	95.00	84.88	84.31	0.57	0.830	2905.06
5/24/1999	2986.31	2989.47	TOC	80.00	95.00	84.89	84.29	0.60	0.830	2905.08
6/1/1999	2986.31	2989.47	TOC	80.00	95.00	84.77	84.25	0.52	0.830	2905.13
6/8/1999	2986.31	2989.47	TOC	80.00	95.00	84.99	84.29	0.70	0.830	2905.05
6/14/1999	2986.31	2989.47	TOC	80.00	95.00	84.31	83.43	0.88	0.830	2905.89
6/22/1999	2986.31	2989.47	TOC	80.00	95.00	84.27	83.35	0.92	0.830	2905.96
7/2/1999	2986.31	2989.47	TOC	80.00	95.00	85.32	84.24	1.08	0.830	2905.05
7/6/1999	2986.31	2989.47	TOC	80.00	95.00	85.49	84.34	1.15	0.830	2904.93
7/13/1999	2986.31	2989.47	TOC	80.00	95.00	85.72	84.34	1.38	0.830	2904.90
7/20/1999	2986.31	2989.47	TOC	80.00	95.00	85.87	84.28	1.59	0.830	2904.92
7/26/1999	2986.31	2989.47	TOC	80.00	95.00	86.14	84.29	1.85	0.830	2904.87
8/7/1999	2986.31	2989.47	TOC	80.00	95.00	86.54	84.36	2.18	0.830	2904.74
8/14/1999	2986.31	2989.47	TOC	80.00	95.00	86.94	84.31	2.63	0.830	2904.71
8/22/1999	2986.31	2989.47	TOC	80.00	95.00	87.49	84.19	3.30	0.830	2904.72
9/1/1999	2986.31	2989.47	TOC	80.00	95.00	87.74	84.11	3.63	0.830	2904.74
9/11/1999	2986.31	2989.47	TOC	80.00	95.00	88.14	84.04	4.10	0.830	2904.73
9/16/1999	2986.31	2989.47	TOC	80.00	95.00	88.24	83.99	4.25	0.830	2904.76
9/25/1999	2986.31	2989.47	TOC	80.00	95.00	88.34	85.81	2.53	0.830	2903.23
10/2/1999	2986.31	2989.47	TOC	80.00	95.00	88.48	83.84	4.65	0.830	2904.84
10/9/1999	2986.31	2989.47	TOC	80.00	95.00	88.64	83.84	4.80	0.830	2904.81
10/15/1999	2986.31	2989.47	TOC	80.00	95.00	88.89	83.79	4.90	0.830	2904.85

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Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

MW-08

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spac. Grav.	Corrected GW Elev.
				Top	Bottom					
2/4/1999	2987.97	2990.73	TOC	80.00	95.00	86.00	85.99	0.01	0.830	2904.74
2/22/1999	2987.97	2990.73	TOC	80.00	95.00	86.06	86.04	0.02	0.830	2904.69
3/11/1999	2987.97	2990.73	TOC	80.00	95.00	86.18	86.10	0.08	0.830	2904.62
3/24/1999	2987.97	2990.73	TOC	80.00	95.00	86.42	86.04	0.38	0.830	2904.63
3/31/1999	2987.97	2990.73	TOC	80.00	95.00	86.47	86.03	0.44	0.830	2904.63
4/2/1999	2987.97	2990.73	TOC	80.00	95.00	86.39	86.14	0.25	0.830	2904.55
4/7/1999	2987.97	2990.73	TOC	80.00	95.00	86.94	86.08	0.86	0.830	2904.50
4/13/1999	2987.97	2990.73	TOC	80.00	95.00	86.83	85.94	0.89	0.830	2904.64
4/19/1999	2987.97	2990.73	TOC	80.00	95.00	87.01	85.95	1.06	0.830	2904.60
4/26/1999	2987.97	2990.73	TOC	80.00	95.00	87.30	85.97	1.33	0.830	2904.53
5/3/1999	2987.97	2990.73	TOC	80.00	95.00	87.47	85.90	1.57	0.830	2904.56
5/10/1999	2987.97	2990.73	TOC	80.00	95.00	87.89	85.94	1.95	0.830	2904.46
5/18/1999	2987.97	2990.73	TOC	80.00	95.00	88.39	85.96	2.43	0.830	2904.36
5/24/1999	2987.97	2990.73	TOC	80.00	95.00	88.60	85.91	2.69	0.830	2904.36
6/1/1999	2987.97	2990.73	TOC	80.00	95.00	89.04	85.76	3.28	0.830	2904.41
6/8/1999	2987.97	2990.73	TOC	80.00	95.00	88.51	85.80	2.71	0.830	2904.47
6/14/1999	2987.97	2990.73	TOC	80.00	95.00	86.14	82.94	3.20	0.830	2907.25
6/22/1999	2987.97	2990.73	TOC	80.00	95.00	85.74	82.09	3.65	0.830	2908.02
7/2/1999	2987.97	2990.73	TOC	80.00	95.00	89.62	86.78	3.84	0.830	2904.30
7/6/1999	2987.97	2990.73	TOC	80.00	95.00	89.76	85.76	4.00	0.830	2904.29
7/13/1999	2987.97	2990.73	TOC	80.00	95.00	89.92	85.84	4.08	0.830	2904.20
7/20/1999	2987.97	2990.73	TOC	80.00	95.00	89.94	85.74	4.20	0.830	2904.28
7/26/1999	2987.97	2990.73	TOC	80.00	95.00	90.09	85.72	4.37	0.830	2904.27
8/7/1999	2987.97	2990.73	TOC	80.00	95.00	90.20	85.77	4.43	0.830	2904.21
8/14/1999	2987.97	2990.73	TOC	80.00	95.00	90.44	85.64	4.80	0.830	2904.27
8/22/1999	2987.97	2990.73	TOC	80.00	95.00	90.49	85.79	4.70	0.830	2904.14
9/1/1999	2987.97	2990.73	TOC	80.00	95.00	90.40	85.80	4.60	0.830	2904.15
9/11/1999	2987.97	2990.73	TOC	80.00	95.00	90.74	85.79	4.95	0.830	2904.10
9/16/1999	2987.97	2990.73	TOC	80.00	95.00	90.74	85.93	4.91	0.830	2904.07
9/25/1999	2987.97	2990.73	TOC	80.00	95.00	90.74	85.74	5.00	0.830	2904.14
10/2/1999	2987.97	2990.73	TOC	80.00	95.00	90.79	85.78	5.01	0.830	2904.10
10/9/1999	2987.97	2990.73	TOC	80.00	95.00	90.74	85.75	4.99	0.830	2904.13
10/15/1999	2987.97	2990.73	TOC	80.00	95.00	90.89	85.74	5.15	0.830	2904.11
10/21/1999	2987.97	2990.73	TOC	80.00	95.00	91.04	86.77	4.27	0.830	2903.23
10/26/1999	2987.97	2990.73	TOC	80.00	95.00	91.09	85.77	5.32	0.830	2904.06
8/2/2000	2987.97	2990.73	TOC	80.00	95.00	90.92	86.25	4.67	0.830	2903.69
11/24/2000	2987.97	2990.73	TOC	80.00	95.00	91.44	86.74	4.70	0.830	2903.19
2/14/2001	2987.97	2990.73	TOC	80.00	95.00	91.44	87.49	3.95	0.830	2902.57
3/16/2001	2987.97	2990.73	TOC	80.00	95.00	91.55	89.95	1.60	0.830	2900.51
4/19/2001	2987.97	2990.73	TOC	80.00	95.00	93.60	89.55	4.05	0.830	2900.49
5/23/2001	2987.97	2990.73	TOC	80.00	95.00	92.09	86.64	5.45	0.830	2903.16

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Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

MW-08

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec. Grav.	Corrected GW Elev.
				Top	Bottom					
9/29/2001	2987.97	2990.73	TOC	80.00	95.00	93.09	87.09	6.00	0.830	2902.62
12/20/2001	2987.97	2990.73	TOC	80.00	95.00	95.75	89.95	5.80	0.830	2898.79
3/27/2002	2987.97	2990.73	TOC	80.00	95.00	92.84	87.34	5.50	0.830	2902.46
6/26/2002	2987.97	2990.73	TOC	80.00	95.00	92.79	87.44	5.35	0.830	2902.38
9/25/2002	2987.97	2990.73	TOC	80.00	95.00	93.84	87.99	5.85	0.830	2901.75
12/28/2002	2987.97	2990.73	TOC	80.00	95.00	92.79	88.44	4.35	0.830	2901.55
3/22/2003	2987.97	2990.73	TOC	80.00	95.00	92.59	88.84	3.75	0.830	2901.25
6/18/2003	2987.97	2990.73	TOC	80.00	95.00	90.99	89.09	1.90	0.830	2901.32
9/22/2003	2987.97	2990.73	TOC	80.00	95.00	91.44	89.04	2.40	0.830	2901.28
12/22/2003	2987.97	2990.73	TOC	80.00	95.00	92.79	89.14	3.65	0.830	2900.97
6/26/2004	2987.97	2990.73	TOC	80.00	95.00	90.66	90.64	0.02	0.830	2900.09
12/19/2004	2987.97	2990.73	TOC	80.00	95.00	91.92	91.80	0.12	0.830	2898.91
1/19/2005	2987.97	2990.73	TOC	80.00	95.00	91.60	91.59	0.01	0.830	2899.14
1/25/2005	2987.97	2990.73	TOC	80.00	95.00	91.36	91.35	0.01	0.830	2899.38
1/26/2005	2987.97	2990.73	TOC	80.00	95.00	91.40	91.39	0.01	0.830	2899.34
2/7/2005	2987.97	2990.73	TOC	80.00	95.00	91.21	91.20	0.01	0.830	2899.53
2/16/2005	2987.97	2990.73	TOC	80.00	95.00	91.21	91.20	0.01	0.830	2899.53
3/16/2005	2987.97	2990.73	TOC	80.00	95.00	90.95	90.94	0.01	0.830	2899.79
5/11/2005	2987.97	2990.73	TOC	80.00	95.00	90.66	90.65	0.01	0.830	2900.08
6/9/2005	2987.97	2990.73	TOC	80.00	95.00	90.50	90.50		0.830	2900.23
6/26/2005	2987.97	2990.73	TOC	80.00	95.00	90.66	90.65	0.01	0.830	2900.08
9/8/2005	2987.97	2990.73	TOC	80.00	95.00	90.21	90.20	0.01	0.830	2900.53
9/27/2005	2987.97	2990.73	TOC	80.00	95.00	90.05	90.05		0.830	2900.68
10/2/2005	2987.97	2990.73	TOC	80.00	95.00	90.05				2900.68
10/14/2005	2987.97	2990.73	TOC	80.00	95.00	90.10				2900.63
10/17/2005	2987.97	2990.73	TOC	80.00	95.00	90.05				2900.68
10/24/2005	2987.97	2990.73	TOC	80.00	95.00	90.10				2900.63
12/2/2005	2987.97	2990.73	TOC	80.00	95.00	89.00				2901.73
1/10/2006	2987.97	2990.73	TOC	80.00	95.00	90.28				2900.45
3/3/2006	2987.97	2990.73	TOC	80.00	95.00	90.19				2900.54
6/17/2008	2987.97	2990.73	TOC	80.00	95.00	88.85	88.85		0.830	2901.88
7/4/2008	2987.97	2990.73	TOC	80.00	95.00	88.80	88.75	0.05	0.830	2901.97
7/24/2008	2987.97	2990.73	TOC	80.00	95.00	88.80	88.78	0.02	0.830	2901.95
8/26/2008	2987.97	2990.73	TOC	80.00	95.00	88.59	88.56	0.03	0.830	2902.16
12/8/2008	2987.97	2990.73	TOC	80.00	95.00	88.56	88.55	0.01	0.830	2902.18
3/14/2009	2987.97	2990.73	TOC	80.00	95.00	88.65	88.65		0.830	2902.08
6/29/2009	2987.97	2990.73	TOC	80.00	95.00	88.81	88.81		0.830	2901.92
9/17/2009	2987.97	2990.73	TOC	80.00	95.00	89.18				2901.55
12/20/2009	2987.97	2990.73	TOC	80.00	95.00	89.32	89.32		0.830	2901.41
2/22/2010	2987.97	2990.73	TOC	80.00	95.00	89.61	89.53	0.08	0.830	2901.19
6/28/2010	2987.97	2990.73	TOC	80.00	95.00	89.67	89.67		0.830	2901.06

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Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

MW-08

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen Top	Depth of Screen Bottom	Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
10/23/2010	2987.97	2990.73	TOC	80.00	95.00	90.16	90.00	0.16	0.830	2900.70
1/19/2011	2987.97	2990.73	TOC	80.00	95.00	90.10	89.96	0.14	0.830	2900.75
3/18/2011	2987.97	2990.73	TOC	80.00	95.00	90.35	90.25	0.10	0.830	2900.46
6/18/2011	2987.97	2990.73	TOC	80.00	95.00	90.47	90.35	0.12	0.830	2900.36
12/31/2011	2987.97	2990.73	TOC	80.00	95.00	90.85	90.65	0.20	0.830	2900.05
3/31/2012	2987.97	2990.73	TOC	80.00	95.00	91.15	90.84	0.31	0.830	2899.84

MW-09

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen Top	Depth of Screen Bottom	Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
2/4/1999	2987.39	2990.31	TOC	81.00	96.00	86.06	85.48	0.58	0.830	2904.73
2/22/1999	2987.39	2990.31	TOC	81.00	96.00	88.60	84.46	4.14	0.830	2905.15
3/11/1999	2987.39	2990.31	TOC	81.00	96.00	91.48	84.77	6.71	0.830	2904.40
3/24/1999	2987.39	2990.31	TOC	81.00	96.00	91.43	84.78	6.65	0.830	2904.40
3/31/1999	2987.39	2990.31	TOC	81.00	96.00	91.40	84.72	6.68	0.830	2904.45
4/2/1999	2987.39	2990.31	TOC	81.00	96.00	91.52	84.84	6.68	0.830	2904.33
4/7/1999	2987.39	2990.31	TOC	81.00	96.00	91.58	84.87	6.71	0.830	2904.30
7/15/1999	2987.39	2990.31	TOC	81.00	96.00	91.13	85.11	6.02	0.830	2904.18
10/26/1999	2987.39	2990.31	TOC	81.00	96.00	90.63	85.43	5.20	0.830	2904.00
8/2/2000	2987.39	2990.31	TOC	81.00	96.00	92.73	85.56	7.17	0.830	2903.53
11/24/2000	2987.39	2990.31	TOC	81.00	96.00	92.63	86.08	6.55	0.830	2903.12
2/14/2001	2987.39	2990.31	TOC	81.00	96.00	93.58	86.38	7.20	0.830	2902.71
5/23/2001	2987.39	2990.31	TOC	81.00	96.00	93.08	86.03	7.05	0.830	2903.08
9/29/2001	2987.39	2990.31	TOC	81.00	96.00	93.73	86.63	7.10	0.830	2902.47
12/20/2001	2987.39	2990.31	TOC	81.00	96.00	91.05	90.85	0.20	0.830	2899.43
3/27/2002	2987.39	2990.31	TOC	81.00	96.00	87.98	87.93	0.05	0.830	2902.37
6/26/2002	2987.39	2990.31	TOC	81.00	96.00	88.73	87.68	1.05	0.830	2902.45
12/28/2002	2987.39	2990.31	TOC	81.00	96.00	87.93	87.90	0.03	0.830	2902.41
9/22/2003	2987.39	2990.31	TOC	81.00	96.00	88.88	88.83	0.05	0.830	2901.47
12/22/2003	2987.39	2990.31	TOC	81.00	96.00	89.23	89.08	0.15	0.830	2901.20
3/17/2004	2987.39	2990.31	TOC	81.00	96.00	93.18	88.98	4.20	0.830	2900.62
6/26/2004	2987.39	2990.31	TOC	81.00	96.00	89.43	89.38	0.05	0.830	2900.92
6/26/2005	2987.39	2990.31	TOC	81.00	96.00	90.80	90.75	0.05	0.830	2899.55
9/8/2005	2987.39	2990.31	TOC	81.00	96.00	90.18	90.15	0.03	0.830	2900.16
9/27/2005	2987.39	2990.31	TOC	81.00	96.00	90.10	90.05	0.05	0.830	2900.25
10/2/2005	2987.39	2990.31	TOC	81.00	96.00	90.00	89.95	0.05	0.830	2900.35
10/14/2005	2987.39	2990.31	TOC	81.00	96.00	90.00				2900.31
10/17/2005	2987.39	2990.31	TOC	81.00	96.00	89.90	89.80	0.10	0.830	2900.49
10/24/2005	2987.39	2990.31	TOC	81.00	96.00	90.05	90.00	0.05	0.830	2900.30
12/2/2005	2987.39	2990.31	TOC	81.00	96.00	89.95	89.85	0.10	0.830	2900.44
1/10/2006	2987.39	2990.31	TOC	81.00	96.00	90.30	90.25	0.05	0.830	2900.05

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Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

MW-09

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec. Grav.	Corrected GW Elev.
				Top	Bottom					
3/3/2006	2987.39	2990.31	TOC	81.00	96.00	90.25	90.15	0.10	0.830	2900.14
4/12/2006	2987.39	2990.31	TOC	81.00	96.00	90.45	90.38	0.07	0.830	2899.92
5/30/2006	2987.39	2990.31	TOC	81.00	96.00	90.11	90.07	0.04	0.830	2900.23
6/6/2006	2987.39	2990.31	TOC	81.00	96.00	90.11	90.07	0.04	0.830	2900.23
9/8/2006	2987.39	2990.31	TOC	81.00	96.00	90.15	90.10	0.05	0.830	2900.20
11/8/2006	2987.39	2990.31	TOC	81.00	96.00	90.41	90.40	0.01	0.830	2899.91
2/23/2007	2987.39	2990.31	TOC	81.00	96.00	90.11	90.10	0.01	0.830	2900.21
5/21/2007	2987.39	2990.31	TOC	81.00	96.00	90.12	90.11	0.01	0.830	2900.20
8/21/2007	2987.39	2990.31	TOC	81.00	96.00	90.20	90.19	0.01	0.830	2900.12
11/5/2007	2987.39	2990.31	2987.39	81.00	96.00	89.90	89.90		0.830	2900.41
3/4/2008	2987.39	2990.31	TOC	81.00	96.00	89.32				2900.99
6/17/2008	2987.39	2990.31	TOC	81.00	96.00	88.70	88.70		0.830	2901.61
7/4/2008	2987.39	2990.31	TOC	81.00	96.00	88.65	88.65		0.830	2901.66
7/24/2008	2987.39	2990.31	TOC	81.00	96.00	88.57	88.57		0.830	2901.74
8/26/2008	2987.39	2990.31	TOC	81.00	96.00	88.48	88.48		0.830	2901.83
12/8/2008	2987.39	2990.31	TOC	81.00	96.00	88.50	88.50		0.830	2901.81
3/14/2009	2987.39	2990.31	TOC	81.00	96.00	88.53	88.53		0.830	2901.78
6/29/2009	2987.39	2990.31	TOC	81.00	96.00	88.67	88.67		0.830	2901.64
9/16/2009	2987.39	2990.31	TOC	81.00	96.00	89.00				2901.31
12/20/2009	2987.39	2990.31	TOC	81.00	96.00	89.16	89.16		0.830	2901.15
2/22/2010	2987.39	2990.31	TOC	81.00	96.00	89.21				2901.10
6/28/2010	2987.39	2990.31	TOC	81.00	96.00	89.50	89.50		0.830	2900.81
10/23/2010	2987.39	2990.31	TOC	81.00	96.00	89.80				2900.51
3/18/2011	2987.39	2990.31	TOC	81.00	96.00	90.06				2900.25
6/18/2011	2987.39	2990.31	TOC	81.00	96.00	90.15				2900.16
12/31/2011	2987.39	2990.31	TOC	81.00	96.00	90.41	90.40	0.01	0.830	2899.91
3/31/2012	2987.39	2990.31	TOC	81.00	96.00	90.64	90.63	0.01	0.830	2899.68

MW-10

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec. Grav.	Corrected GW Elev.
				Top	Bottom					
2/4/1999	2987.96	2990.84	TOC	81.00	96.00	85.73				2905.11
2/22/1999	2987.96	2990.84	TOC	81.00	96.00	85.76				2905.08
3/11/1999	2987.96	2990.84	TOC	81.00	96.00	85.87				2904.97
4/7/1999	2987.96	2990.84	TOC	81.00	96.00	85.93				2904.91
5/3/1999	2987.96	2990.84	TOC	81.00	96.00	85.81				2905.03
6/8/1999	2987.96	2990.84	TOC	81.00	96.00	86.02				2904.82
6/22/1999	2987.96	2990.84	TOC	81.00	96.00	87.07				2903.77
7/6/1999	2987.96	2990.84	TOC	81.00	96.00	87.07				2903.77
8/14/1999	2987.96	2990.84	TOC	81.00	96.00	86.19				2904.65
9/16/1999	2987.96	2990.84	TOC	81.00	96.00	86.22				2904.62

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Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

MW-10

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen Top	Depth of Screen Bottom	Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
10/19/1999	2987.96	2990.84	TOC	81.00	96.00	86.17				2904.67
2/7/2000	2987.96	2990.84	TOC	81.00	96.00	86.32				2904.52
8/2/2000	2987.96	2990.84	TOC	81.00	96.00	86.57				2904.27
11/24/2000	2987.96	2990.84	TOC	81.00	96.00	86.72				2904.12
2/14/2001	2987.96	2990.84	TOC	81.00	96.00	87.02				2903.82
3/16/2001	2987.96	2990.84	TOC	81.00	96.00	89.95				2900.89
4/19/2001	2987.96	2990.84	TOC	81.00	96.00	89.55				2901.29
5/23/2001	2987.96	2990.84	TOC	81.00	96.00	87.57	87.07	0.50	0.830	2903.69
9/29/2001	2987.96	2990.84	TOC	81.00	96.00	91.37	86.87	4.50	0.830	2903.21
12/20/2001	2987.96	2990.84	TOC	81.00	96.00	94.25	89.85	4.40	0.830	2900.24
3/27/2002	2987.96	2990.84	TOC	81.00	96.00	91.57	87.32	4.25	0.830	2902.80
6/26/2002	2987.96	2990.84	TOC	81.00	96.00	91.62	87.47	4.15	0.830	2902.66
12/28/2002	2987.96	2990.84	TOC	81.00	96.00	90.62	88.27	2.35	0.830	2902.17
3/22/2003	2987.96	2990.84	TOC	81.00	96.00	91.12	88.47	2.65	0.830	2901.92
6/18/2003	2987.96	2990.84	TOC	81.00	96.00	91.12	88.52	2.60	0.830	2901.88
9/22/2003	2987.96	2990.84	TOC	81.00	96.00	91.27	88.87	2.40	0.830	2901.56
12/22/2003	2987.96	2990.84	TOC	81.00	96.00	91.22	88.92	2.30	0.830	2901.53
3/17/2004	2987.96	2990.84	TOC	81.00	96.00	90.22	89.47	0.75	0.830	2901.24
6/26/2004	2987.96	2990.84	TOC	81.00	96.00	90.52	89.52	1.00	0.830	2901.15
12/19/2004	2987.96	2990.84	TOC	81.00	96.00	91.57	91.55	0.02	0.830	2899.29
1/19/2005	2987.96	2990.84	TOC	81.00	96.00	91.36	91.35	0.01	0.830	2899.49
1/25/2005	2987.96	2990.84	TOC	81.00	96.00	91.16	91.15	0.01	0.830	2899.69
1/26/2005	2987.96	2990.84	TOC	81.00	96.00	91.01	91.01	0.01	0.830	2899.84
2/7/2005	2987.96	2990.84	TOC	81.00	96.00	91.09	91.08	0.01	0.830	2899.76
2/16/2005	2987.96	2990.84	TOC	81.00	96.00	90.75	90.74	0.01	0.830	2900.10
3/16/2005	2987.96	2990.84	TOC	81.00	96.00	90.66	90.55	0.11	0.830	2900.27
5/11/2005	2987.96	2990.84	TOC	81.00	96.00	90.35	90.35		0.830	2900.49
6/9/2005	2987.96	2990.84	TOC	81.00	96.00	90.33	90.32	0.01	0.830	2900.52
6/26/2005	2987.96	2990.84	TOC	81.00	96.00	90.01	90.00	0.01	0.830	2900.84
9/8/2005	2987.96	2990.84	TOC	81.00	96.00	89.85	89.85		0.830	2900.99
9/27/2005	2987.96	2990.84	TOC	81.00	96.00	89.80				2901.04
10/2/2005	2987.96	2990.84	TOC	81.00	96.00	89.89				2900.95
10/14/2005	2987.96	2990.84	TOC	81.00	96.00	89.89				2901.00
10/17/2005	2987.96	2990.84	TOC	81.00	96.00	89.84				2900.97
10/24/2005	2987.96	2990.84	TOC	81.00	96.00	89.87				2901.12
12/2/2005	2987.96	2990.84	TOC	81.00	96.00	89.72				2900.89
1/10/2006	2987.96	2990.84	TOC	81.00	96.00	89.95				2900.99
3/3/2006	2987.96	2990.84	TOC	81.00	96.00	89.85				2900.84
4/12/2006	2987.96	2990.84	TOC	81.00	96.00	90.00				2900.89
5/30/2006	2987.96	2990.84	TOC	81.00	96.00	89.95				2900.89
6/4/2006	2987.96	2990.84	TOC	81.00	96.00	89.80				2901.04

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Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

MW-10

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec. Grav.	Corrected GW Elev.
				Top	Bottom					
9/8/2006	2987.96	2990.84	TOC	81.00	96.00	90.02				2900.82
11/8/2006	2987.96	2990.84	TOC	81.00	96.00	90.00				2900.84
2/25/2007	2987.96	2990.84	TOC	81.00	96.00	90.15				2900.69
5/22/2007	2987.96	2990.84	TOC	81.00	96.00	90.24				2900.60
8/21/2007	2987.96	2990.84	TOC	81.00	96.00	89.82				2901.02
11/6/2007	2987.96	2990.84	2987.96	81.00	96.00	89.27				2901.57
3/4/2008	2987.96	2990.84	TOC	81.00	96.00	88.62				2902.22
6/15/2008	2987.96	2990.84	TOC	81.00	96.00	88.42				2902.42
7/4/2008	2987.96	2990.84	TOC	81.00	96.00	88.45				2902.39
7/24/2008	2987.96	2990.84	TOC	81.00	96.00	88.40				2902.44
8/26/2008	2987.96	2990.84	TOC	81.00	96.00	88.45				2902.39
12/8/2008	2987.96	2990.84	TOC	81.00	96.00	88.37				2902.47
3/14/2009	2987.96	2990.84	TOC	81.00	96.00	88.50				2902.34
6/29/2009	2987.96	2990.84	TOC	81.00	96.00	88.67				2902.17
9/17/2009	2987.96	2990.84	TOC	81.00	96.00	88.98	88.98		0.830	2901.86
12/20/2009	2987.96	2990.84	TOC	81.00	96.00	89.17				2901.67
2/21/2010	2987.96	2990.84	TOC	81.00	96.00	89.35	89.35		0.830	2901.49
6/28/2010	2987.96	2990.84	TOC	81.00	96.00	89.56	89.56		0.830	2901.28
10/23/2010	2987.96	2990.84	TOC	81.00	96.00	89.75				2901.09
3/18/2011	2987.96	2990.84	TOC	81.00	96.00	90.02				2900.82
6/18/2011	2987.96	2990.84	TOC	81.00	96.00	90.23				2900.61
12/31/2011	2987.96	2990.84	TOC	81.00	96.00	90.57				2900.27
3/31/2012	2987.96	2990.84	TOC	81.00	96.00	90.76	90.75	0.01	0.830	2900.09

MW-11

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec. Grav.	Corrected GW Elev.
				Top	Bottom					
2/4/1999	2989.37	2992.30	TOC	83.00	98.00	87.54				2904.76
2/22/1999	2989.37	2992.30	TOC	83.00	98.00	87.50				2904.80
3/11/1999	2989.37	2992.30	TOC	83.00	98.00	87.60				2904.70
4/7/1999	2989.37	2992.30	TOC	83.00	98.00	87.56				2904.74
5/3/1999	2989.37	2992.30	TOC	83.00	98.00	87.38				2904.92
6/8/1999	2989.37	2992.30	TOC	83.00	98.00	87.72				2904.58
6/22/1999	2989.37	2992.30	TOC	83.00	98.00	87.76				2904.54
7/6/1999	2989.37	2992.30	TOC	83.00	98.00	87.84				2904.46
8/14/1999	2989.37	2992.30	TOC	83.00	98.00	87.98				2904.32
9/16/1999	2989.37	2992.30	TOC	83.00	98.00	87.61				2904.69
10/19/1999	2989.37	2992.30	TOC	83.00	98.00	87.66				2904.64
2/7/2000	2989.37	2992.30	TOC	83.00	98.00	87.52				2904.78
8/2/2000	2989.37	2992.30	TOC	83.00	98.00	87.65				2904.65
11/24/2000	2989.37	2992.30	TOC	83.00	98.00	87.87				2904.43

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Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

MW-11

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec. Grav.	Corrected GW Elev.
				Top	Bottom					
2/14/2001	2989.37	2992.30	TOC	83.00	98.00	88.32				2903.98
3/16/2001	2989.37	2992.30	TOC	83.00	98.00	91.40				2900.90
4/19/2001	2989.37	2992.30	TOC	83.00	98.00	91.35				2900.95
5/23/2001	2989.37	2992.30	TOC	83.00	98.00	88.52				2903.78
9/29/2001	2989.37	2992.30	TOC	83.00	98.00	88.57				2903.73
12/20/2001	2989.37	2992.30	TOC	83.00	98.00	91.80				2900.50
3/27/2002	2989.37	2992.30	TOC	83.00	98.00	89.17				2903.13
6/26/2002	2989.37	2992.30	TOC	83.00	98.00	89.37				2902.93
9/25/2002	2989.37	2992.30	TOC	83.00	98.00	89.82				2902.48
12/28/2002	2989.37	2992.30	TOC	83.00	98.00	90.07				2902.23
3/22/2003	2989.37	2992.30	TOC	83.00	98.00	90.47				2901.83
6/18/2003	2989.37	2992.30	TOC	83.00	98.00	90.47				2901.83
9/22/2003	2989.37	2992.30	TOC	83.00	98.00	89.57				2902.73
12/22/2003	2989.37	2992.30	TOC	83.00	98.00	90.82				2901.48
3/17/2004	2989.37	2992.30	TOC	83.00	98.00	90.82				2901.48
6/26/2004	2989.37	2992.30	TOC	83.00	98.00	90.97				2901.33
12/19/2004	2989.37	2992.30	TOC	83.00	98.00	93.25				2899.05
1/19/2005	2989.37	2992.30	TOC	83.00	98.00	93.00				2899.30
1/25/2005	2989.37	2992.30	TOC	83.00	98.00	92.75				2899.55
1/28/2005	2989.37	2992.30	TOC	83.00	98.00	92.80				2899.50
2/7/2005	2989.37	2992.30	TOC	83.00	98.00	92.70				2899.60
2/16/2005	2989.37	2992.30	TOC	83.00	98.00	92.75				2899.55
3/16/2005	2989.37	2992.30	TOC	83.00	98.00	92.45				2899.85
5/11/2005	2989.37	2992.30	TOC	83.00	98.00	92.15				2900.15
6/26/2005	2989.37	2992.30	TOC	83.00	98.00	92.00				2900.30
9/8/2005	2989.37	2992.30	TOC	83.00	98.00	91.65				2900.65
9/19/2005	2989.37	2992.30	TOC	83.00	98.00	91.55				2900.75
10/17/2005	2989.37	2992.30	TOC	83.00	98.00	91.31				2900.98
12/2/2005	2989.37	2992.30	TOC	83.00	98.00	91.18				2901.12
1/10/2006	2989.37	2992.30	TOC	83.00	98.00	91.35				2900.95
3/3/2006	2989.37	2992.30	TOC	83.00	98.00	91.35				2900.95
4/12/2006	2989.37	2992.30	TOC	83.00	98.00	91.45				2900.85
5/30/2006	2989.37	2992.30	TOC	83.00	98.00	91.35				2900.95
6/3/2006	2989.37	2992.30	TOC	83.00	98.00	91.30				2901.00
9/8/2006	2989.37	2992.30	TOC	83.00	98.00	91.45				2900.85
11/7/2006	2989.37	2992.30	TOC	83.00	98.00	91.55				2900.75
2/23/2007	2989.37	2992.30	TOC	83.00	98.00	91.57				2900.73
5/21/2007	2989.37	2992.30	TOC	83.00	98.00	91.60				2900.70
8/21/2007	2989.37	2992.30	TOC	83.00	98.00	91.27				2901.03
11/3/2007	2989.37	2992.30	2987.37	83.00	98.00	90.70				2901.60
2/27/2008	2989.37	2992.30	TOC	83.00	98.00	90.06				2902.24

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Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

MW-11

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
6/13/2008	2989.37	2992.30	TOC	83.00	98.00	89.80				2902.50
7/4/2008	2989.37	2992.30	TOC	83.00	98.00	89.87				2902.43
7/24/2008	2989.37	2992.30	TOC	83.00	98.00	89.81				2902.49
8/25/2008	2989.37	2992.30	TOC	83.00	98.00	89.82				2902.48
12/6/2008	2989.37	2992.30	TOC	83.00	98.00	89.95				2902.35
3/12/2009	2989.37	2992.30	TOC	83.00	98.00	89.95				2902.35
6/29/2009	2989.37	2992.30	TOC	83.00	98.00	90.05				2902.25
9/17/2009	2989.37	2992.30	TOC	83.00	98.00	90.35				2901.95
12/20/2009	2989.37	2992.30	TOC	83.00	98.00	90.52				2901.78
2/20/2010	2989.37	2992.30	TOC	83.00	98.00	90.65				2901.65
6/28/2010	2989.37	2992.30	TOC	83.00	98.00	90.92				2901.38
10/23/2010	2989.37	2992.30	TOC	83.00	98.00	91.18				2901.12
3/18/2011	2989.37	2992.30	TOC	83.00	98.00	91.51				2900.79
6/18/2011	2989.37	2992.30	TOC	83.00	98.00	91.60				2900.70
12/31/2011	2989.37	2992.30	TOC	83.00	98.00	91.93				2900.37
3/31/2012	2989.37	2992.30	TOC	83.00	98.00	92.16				2900.14

MW-12

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
2/4/1999	2987.79	2990.99	TOC	81.00	96.00	86.52				2904.47
2/22/1999	2987.79	2990.99	TOC	81.00	96.00	86.26				2904.73
3/11/1999	2987.79	2990.99	TOC	81.00	96.00	86.38				2904.61
4/7/1999	2987.79	2990.99	TOC	81.00	96.00	86.46				2904.53
5/3/1999	2987.79	2990.99	TOC	81.00	96.00	86.35				2904.63
6/8/1999	2987.79	2990.99	TOC	81.00	96.00	86.55				2904.44
6/22/1999	2987.79	2990.99	TOC	81.00	96.00	86.55				2904.44
7/6/1999	2987.79	2990.99	TOC	81.00	96.00	86.60				2904.39
8/14/1999	2987.79	2990.99	TOC	81.00	96.00	86.70				2904.29
9/18/1999	2987.79	2990.99	TOC	81.00	96.00	86.71				2904.28
10/19/1999	2987.79	2990.99	TOC	81.00	96.00	86.72				2904.27
2/7/2000	2987.79	2990.99	TOC	81.00	96.00	86.80				2904.19
8/2/2000	2987.79	2990.99	TOC	81.00	96.00	87.08				2903.91
11/24/2000	2987.79	2990.99	TOC	81.00	96.00	88.45	86.90	1.55	0.830	2903.83
2/14/2001	2987.79	2990.99	TOC	81.00	96.00	90.80	86.90	3.90	0.830	2903.43
3/16/2001	2987.79	2990.99	TOC	81.00	96.00	94.35	90.25	4.10	0.830	2900.04
4/19/2001	2987.79	2990.99	TOC	81.00	96.00	94.45	90.10	4.35	0.830	2900.15
5/23/2001	2987.79	2990.99	TOC	81.00	96.00	91.65	86.95	4.70	0.830	2903.24
9/29/2001	2987.79	2990.99	TOC	81.00	96.00	93.00	87.20	5.80	0.830	2902.80
12/20/2001	2987.79	2990.99	TOC	81.00	96.00	96.30	90.55	5.75	0.830	2899.45
3/27/2002	2987.79	2990.99	TOC	81.00	96.00	92.95	87.70	5.25	0.830	2902.40

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Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

MW-12

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec. Grav.	Corrected GW Elev.
				Top	Bottom					
6/26/2002	2987.79	2990.99	TOC	81.00	96.00	92.40	87.70	4.70	0.830	2902.49
9/25/2002	2987.79	2990.99	TOC	81.00	96.00	92.90	86.10	4.80	0.830	2902.07
12/28/2002	2987.79	2990.99	TOC	81.00	96.00	92.65	88.40	4.25	0.830	2901.87
3/22/2003	2987.79	2990.99	TOC	81.00	96.00	92.90	88.90	4.00	0.830	2901.41
6/18/2003	2987.79	2990.99	TOC	81.00	96.00	92.90	88.90	4.00	0.830	2901.41
9/22/2003	2987.79	2990.99	TOC	81.00	96.00	91.50	89.05	2.45	0.830	2901.52
12/22/2003	2987.79	2990.99	TOC	81.00	96.00	92.20	89.15	3.05	0.830	2901.32
6/26/2004	2987.79	2990.99	TOC	81.00	96.00	90.10	89.95	0.15	0.830	2901.01
12/19/2004	2987.79	2990.99	TOC	81.00	96.00	93.30	92.80	0.50	0.830	2898.10
1/19/2005	2987.79	2990.99	TOC	81.00	96.00	93.15	92.65	0.50	0.830	2898.25
1/25/2005	2987.79	2990.99	TOC	81.00	96.00	92.95	92.40	0.55	0.830	2898.50
1/26/2005	2987.79	2990.99	TOC	81.00	96.00	92.90	92.45	0.45	0.830	2898.46
2/7/2005	2987.79	2990.99	TOC	81.00	96.00	92.80	92.30	0.50	0.830	2898.60
2/16/2005	2987.79	2990.99	TOC	81.00	96.00	92.90	92.45	0.45	0.830	2898.46
3/16/2005	2987.79	2990.99	TOC	81.00	96.00	92.65	92.08	0.57	0.830	2898.81
5/11/2005	2987.79	2990.99	TOC	81.00	96.00	92.25	91.85	0.40	0.830	2899.07
6/9/2005	2987.79	2990.99	TOC	81.00	96.00	92.10	91.70	0.40	0.830	2899.22
9/8/2005	2987.79	2990.99	TOC	81.00	96.00	91.40	91.25	0.15	0.830	2899.71
10/2/2005	2987.79	2990.99	TOC	81.00	96.00	91.05	90.90	0.15	0.830	2900.06
10/14/2005	2987.79	2990.99	TOC	81.00	96.00	91.20	91.00	0.20	0.830	2899.96
10/17/2005	2987.79	2990.99	TOC	81.00	96.00	91.05	90.94	0.11	0.830	2900.03
10/24/2005	2987.79	2990.99	TOC	81.00	96.00	91.15	91.00	0.15	0.830	2899.96
12/2/2005	2987.79	2990.99	TOC	81.00	96.00	90.90	90.80	0.10	0.830	2900.17
6/17/2008	2987.79	2990.99	TOC	81.00	96.00	89.75	89.75		0.830	2901.24
7/4/2008	2987.79	2990.99	TOC	81.00	96.00	89.70	89.70		0.830	2901.29
7/24/2008	2987.79	2990.99	TOC	81.00	96.00	89.64	89.64		0.830	2901.35
8/26/2008	2987.79	2990.99	TOC	81.00	96.00	89.45	89.45		0.830	2901.54
12/9/2008	2987.79	2990.99	TOC	81.00	96.00	89.60	89.47	0.13	0.830	2901.50
3/14/2009	2987.79	2990.99	TOC	81.00	96.00	89.57	89.45	0.12	0.830	2901.52
6/29/2009	2987.79	2990.99	TOC	81.00	96.00	89.70	89.55	0.15	0.830	2901.41
9/17/2009	2987.79	2990.99	TOC	81.00	96.00	90.05	89.86	0.19	0.830	2901.10
12/20/2009	2987.79	2990.99	TOC	81.00	96.00	90.30	89.97	0.33	0.830	2900.96
2/24/2010	2987.79	2990.99	TOC	81.00	96.00	90.40	90.07	0.33	0.830	2900.86
6/28/2010	2987.79	2990.99	TOC	81.00	96.00	90.32	90.30	0.02	0.830	2900.69
10/23/2010	2987.79	2990.99	TOC	81.00	96.00	91.05	90.52	0.53	0.830	2900.38
1/10/2011	2987.79	2990.99	TOC	81.00	96.00	89.35	89.08	0.27	0.830	2901.86
1/19/2011	2987.79	2990.99	TOC	81.00	96.00	90.80	90.71	0.09	0.830	2900.26
3/18/2011	2987.79	2990.99	TOC	81.00	96.00	91.00	90.91	0.09	0.830	2900.06
6/18/2011	2987.79	2990.99	TOC	81.00	96.00	91.37	91.33	0.04	0.830	2899.65
12/31/2011	2987.79	2990.99	TOC	81.00	96.00	91.65	91.58	0.07	0.830	2899.40
3/31/2012	2987.79	2990.99	TOC	81.00	96.00	91.90	91.79	0.11	0.830	2899.18

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Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

MW-13

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen Top	Depth of Screen Bottom	Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec. Grav.	Corrected GW Elev.
10/19/1999	2989.79	2992.97	TOC	85.65	100.65	88.28				2904.69
2/7/2000	2989.79	2992.97	TOC	85.65	100.65	88.42				2904.55
8/2/2000	2989.79	2992.97	TOC	85.65	100.65	88.62				2904.35
11/24/2000	2989.79	2992.97	TOC	85.65	100.65	88.67				2904.30
2/14/2001	2989.79	2992.97	TOC	85.65	100.65	88.92				2904.05
3/16/2001	2989.79	2992.97	TOC	85.65	100.65	92.25				2900.72
4/19/2001	2989.79	2992.97	TOC	85.65	100.65	92.20				2900.77
5/23/2001	2989.79	2992.97	TOC	85.65	100.65	89.17				2903.80
9/29/2001	2989.79	2992.97	TOC	85.65	100.65	89.52				2903.45
12/20/2001	2989.79	2992.97	TOC	85.65	100.65	92.80				2900.17
3/27/2002	2989.79	2992.97	TOC	85.65	100.65	89.82				2903.15
6/26/2002	2989.79	2992.97	TOC	85.65	100.65	90.02				2902.95
9/25/2002	2989.79	2992.97	TOC	85.65	100.65	90.02				2902.95
12/28/2002	2989.79	2992.97	TOC	85.65	100.65	90.32				2902.65
3/22/2003	2989.79	2992.97	TOC	85.65	100.65	90.57				2902.40
6/18/2003	2989.79	2992.97	TOC	85.65	100.65	90.72				2902.25
9/22/2003	2989.79	2992.97	TOC	85.65	100.65	90.92				2902.05
12/22/2003	2989.79	2992.97	TOC	85.65	100.65	91.12				2901.85
3/17/2004	2989.79	2992.97	TOC	85.65	100.65	91.17				2901.80
6/26/2004	2989.79	2992.97	TOC	85.65	100.65	91.32				2901.65
12/19/2004	2989.79	2992.97	TOC	85.65	100.65	93.70				2899.27
1/19/2005	2989.79	2992.97	TOC	85.65	100.65	93.40				2899.57
1/25/2005	2989.79	2992.97	TOC	85.65	100.65	93.20				2899.77
1/26/2005	2989.79	2992.97	TOC	85.65	100.65	93.25				2899.72
2/7/2005	2989.79	2992.97	TOC	85.65	100.65	93.15				2899.82
2/16/2005	2989.79	2992.97	TOC	85.65	100.65	93.10				2899.87
3/16/2005	2989.79	2992.97	TOC	85.65	100.65	92.80				2900.17
5/11/2005	2989.79	2992.97	TOC	85.65	100.65	92.60				2900.37
6/26/2005	2989.79	2992.97	TOC	85.65	100.65	92.35				2900.62
9/8/2005	2989.79	2992.97	TOC	85.65	100.65	92.10				2900.87
9/19/2005	2989.79	2992.97	TOC	85.65	100.65	92.10				2900.87
10/17/2005	2989.79	2992.97	TOC	85.65	100.65	92.08				2900.89
12/2/2005	2989.79	2992.97	TOC	85.65	100.65	92.15				2900.82
1/10/2006	2989.79	2992.97	TOC	85.65	100.65	92.15				2900.82
3/3/2006	2989.79	2992.97	TOC	85.65	100.65	92.15				2900.82
4/12/2006	2989.79	2992.97	TOC	85.65	100.65	92.10				2900.87
5/30/2006	2989.79	2992.97	TOC	85.65	100.65	92.08				2900.89
6/3/2006	2989.79	2992.97	TOC	85.65	100.65	92.10				2900.87
9/8/2006	2989.79	2992.97	TOC	85.65	100.65	92.18				2900.79
11/7/2006	2989.79	2992.97	TOC	85.65	100.65	92.25				2900.72
2/23/2007	2989.79	2992.97	TOC	85.65	100.65	92.20				2900.77

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Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

MW-13

Sample Data	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
5/21/2007	2989.79	2992.97	TOC	85.65	100.65	92.35				2900.62
8/21/2007	2989.79	2992.97	TOC	85.65	100.65	92.18				2900.79
11/4/2007	2989.79	2992.97	2989.79	85.65	100.65	91.60				2901.37
2/27/2008	2989.79	2992.97	TOC	85.65	100.65	90.95				2902.02
6/14/2008	2989.79	2992.97	TOC	85.65	100.65	90.75				2902.22
7/4/2008	2989.79	2992.97	TOC	85.65	100.65	90.72				2902.25
7/24/2008	2989.79	2992.97	TOC	85.65	100.65	90.75				2902.22
8/25/2008	2989.79	2992.97	TOC	85.65	100.65	90.71				2902.26
12/6/2008	2989.79	2992.97	TOC	85.65	100.65	90.85				2902.12
3/12/2009	2989.79	2992.97	TOC	85.65	100.65	90.88				2902.09
6/29/2009	2989.79	2992.97	TOC	85.65	100.65	90.97				2902.00
9/17/2009	2989.79	2992.97	TOC	85.65	100.65	91.25				2901.72
12/20/2009	2989.79	2992.97	TOC	85.65	100.65	91.47				2901.50
2/20/2010	2989.79	2992.97	TOC	85.65	100.65	91.48				2901.49
6/28/2010	2989.79	2992.97	TOC	85.65	100.65	91.83				2901.14
10/23/2010	2989.79	2992.97	TOC	85.65	100.65	92.10				2900.87
3/18/2011	2989.79	2992.97	TOC	85.65	100.65	92.37				2900.60
6/18/2011	2989.79	2992.97	TOC	85.65	100.65	92.45				2900.52
12/31/2011	2989.79	2992.97	TOC	85.65	100.65	92.75				2900.22
3/31/2012	2989.79	2992.97	TOC	85.65	100.65	92.92				2900.05

MW-14

Sample Data	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
10/19/1999	2986.02	2989.12	TOC	86.20	101.20	85.04				2904.08
2/7/2000	2986.02	2989.12	TOC	86.20	101.20	85.25				2903.87
8/2/2000	2986.02	2989.12	TOC	86.20	101.20	86.95	85.25	1.70	0.830	2903.58
11/24/2000	2986.02	2989.12	TOC	86.20	101.20	88.60	85.00	3.60	0.830	2903.51
2/14/2001	2986.02	2989.12	TOC	86.20	101.20	89.95	85.25	4.70	0.830	2903.07
3/29/2001	2986.02	2989.12	TOC	86.20	101.20	88.76	88.75	0.01	0.830	2900.37
5/23/2001	2986.02	2989.12	TOC	86.20	101.20	86.30	85.95	0.35	0.830	2903.11
9/29/2001	2986.02	2989.12	TOC	86.20	101.20	87.45	86.05	1.40	0.830	2902.83
12/20/2001	2986.02	2989.12	TOC	86.20	101.20	89.08	89.05	0.03	0.830	2900.06
3/27/2002	2986.02	2989.12	TOC	86.20	101.20	87.80	86.35	1.45	0.830	2902.52
12/28/2002	2986.02	2989.12	TOC	86.20	101.20	89.20	86.90	2.30	0.830	2901.83
3/22/2003	2986.02	2989.12	TOC	86.20	101.20	92.00	87.00	5.00	0.830	2901.27
6/18/2003	2986.02	2989.12	TOC	86.20	101.20	89.20	87.30	1.90	0.830	2901.50
9/22/2003	2986.02	2989.12	TOC	86.20	101.20	91.40	87.15	4.25	0.830	2901.25
12/22/2003	2986.02	2989.12	TOC	86.20	101.20	91.90	87.55	4.35	0.830	2900.83
6/26/2004	2986.02	2989.12	TOC	86.20	101.20	91.75	87.80	3.95	0.830	2900.65
1/19/2005	2986.02	2989.12	TOC	86.20	101.20	92.00	90.85	1.15	0.830	2898.07

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Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

MW-14

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec. Grav.	Corrected GW Elev.
				Top	Bottom					
10/2/2005	2986.02	2989.12	TOC	86.20	101.20	89.65				2899.47
10/14/2005	2986.02	2989.12	TOC	86.20	101.20	89.55				2899.57
10/17/2005	2986.02	2989.12	TOC	86.20	101.20	89.50				2899.62
10/24/2005	2986.02	2989.12	TOC	86.20	101.20	89.52				2899.60
12/2/2005	2986.02	2989.12	TOC	86.20	101.20	89.30				2899.82
1/10/2006	2986.02	2989.12	TOC	86.20	101.20	89.60				2899.52
3/3/2006	2986.02	2989.12	TOC	86.20	101.20	89.55				2899.57
11/8/2006	2986.02	2989.12	TOC	86.20	101.20	89.20				2899.92
6/17/2008	2986.02	2989.12	TOC	86.20	101.20	88.43	88.40	0.03	0.830	2900.72
7/4/2008	2986.02	2989.12	TOC	86.20	101.20	88.43	88.41	0.02	0.830	2900.71
7/24/2008	2986.02	2989.12	TOC	86.20	101.20	88.31	88.25	0.06	0.830	2900.86
8/26/2008	2986.02	2989.12	TOC	86.20	101.20	87.98	87.87	0.11	0.830	2901.23
12/8/2008	2986.02	2989.12	TOC	86.20	101.20	88.18	87.86	0.32	0.830	2901.21
3/14/2009	2986.02	2989.12	TOC	86.20	101.20	88.15	87.84	0.31	0.830	2901.23
6/29/2009	2986.02	2989.12	TOC	86.20	101.20	88.10	87.87	0.23	0.830	2901.21
9/17/2009	2986.02	2989.12	TOC	86.20	101.20	88.92	88.15	0.77	0.830	2900.84
12/20/2009	2986.02	2989.12	TOC	86.20	101.20	88.95	88.58	0.37	0.830	2900.48
2/24/2010	2986.02	2989.12	TOC	86.20	101.20	89.27	88.33	0.94	0.830	2900.63
6/28/2010	2986.02	2989.12	TOC	86.20	101.20	89.15	88.65	0.50	0.830	2900.39
10/23/2010	2986.02	2989.12	TOC	86.20	101.20	89.27	88.85	0.42	0.830	2900.20
1/10/2011	2986.02	2989.12	TOC	86.20	101.20	90.90	90.80	0.10	0.830	2898.30
1/19/2011	2986.02	2989.12	TOC	86.20	101.20	89.26	88.94	0.32	0.830	2900.13
3/18/2011	2986.02	2989.12	TOC	86.20	101.20	89.32	89.11	0.21	0.830	2899.97
6/18/2011	2986.02	2989.12	TOC	86.20	101.20	90.39	89.73	0.66	0.830	2899.28
12/31/2011	2986.02	2989.12	TOC	86.20	101.20	91.47	89.91	1.56	0.830	2898.94
3/31/2012	2986.02	2989.12	TOC	86.20	101.20	91.98	90.00	1.98	0.830	2898.78

MW-15

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec. Grav.	Corrected GW Elev.
				Top	Bottom					
10/19/1999	2986.45	2989.64	TOC	85.98	100.98	85.32				2904.32
2/7/2000	2986.45	2989.64	TOC	85.98	100.98	85.01				2904.63
8/2/2000	2986.45	2989.64	TOC	85.98	100.98	85.30				2904.34
11/24/2000	2986.45	2989.64	TOC	85.98	100.98	85.36				2904.28
2/14/2001	2986.45	2989.64	TOC	85.98	100.98	85.81				2903.83
3/16/2001	2986.45	2989.64	TOC	85.98	100.98	89.15				2900.49
4/19/2001	2986.45	2989.64	TOC	85.98	100.98	89.05				2900.59
5/23/2001	2986.45	2989.64	TOC	85.98	100.98	85.91				2903.73
9/29/2001	2986.45	2989.64	TOC	85.98	100.98	86.21				2903.43
12/20/2001	2986.45	2989.64	TOC	85.98	100.98	89.50				2900.14
3/27/2002	2986.45	2989.64	TOC	85.98	100.98	86.66				2902.98

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Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

MW-15

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
6/25/2002	2986.45	2989.64	TOC	85.98	100.98	86.81				2902.83
9/25/2002	2986.45	2989.64	TOC	85.98	100.98	87.21				2902.43
12/28/2002	2986.45	2989.64	TOC	85.98	100.98	87.51				2902.13
3/22/2003	2986.45	2989.64	TOC	85.98	100.98	87.91				2901.73
6/18/2003	2986.45	2989.64	TOC	85.98	100.98	87.81				2901.83
9/22/2003	2986.45	2989.64	TOC	85.98	100.98	87.91				2901.73
12/22/2003	2986.45	2989.64	TOC	85.98	100.98	88.16				2901.48
3/17/2004	2986.45	2989.64	TOC	85.98	100.98	88.06				2901.58
6/26/2004	2986.45	2989.64	TOC	85.98	100.98	88.34				2901.30
12/19/2004	2986.45	2989.64	TOC	85.98	100.98	91.00				2898.64
1/19/2005	2986.45	2989.64	TOC	85.98	100.98	90.80				2898.84
1/25/2005	2986.45	2989.64	TOC	85.98	100.98	90.50				2899.14
1/26/2005	2986.45	2989.64	TOC	85.98	100.98	90.55				2899.09
2/7/2005	2986.45	2989.64	TOC	85.98	100.98	90.45				2899.19
2/16/2005	2986.45	2989.64	TOC	85.98	100.98	90.50				2899.14
3/16/2005	2986.45	2989.64	TOC	85.98	100.98	90.20				2899.44
5/11/2005	2986.45	2989.64	TOC	85.98	100.98	89.95				2899.69
6/26/2005	2986.45	2989.64	TOC	85.98	100.98	89.80				2899.84
9/8/2005	2986.45	2989.64	TOC	85.98	100.98	89.50				2900.14
10/17/2005	2986.45	2989.64	TOC	85.98	100.98	89.15				2900.49
12/2/2005	2986.45	2989.64	TOC	85.98	100.98	89.00				2900.64
1/10/2006	2986.45	2989.64	TOC	85.98	100.98	89.05				2900.59
3/3/2006	2986.45	2989.64	TOC	85.98	100.98	89.10				2900.54
4/12/2006	2986.45	2989.64	TOC	85.98	100.98	89.24				2900.40
5/30/2006	2986.45	2989.64	TOC	85.98	100.98	89.10				2900.54
6/3/2006	2986.45	2989.64	TOC	85.98	100.98	89.08				2900.56
9/8/2006	2986.45	2989.64	TOC	85.98	100.98	89.22				2900.42
11/7/2006	2986.45	2989.64	TOC	85.98	100.98	89.28				2900.36
2/23/2007	2986.45	2989.64	TOC	85.98	100.98	89.30				2900.34
5/21/2007	2986.45	2989.64	TOC	85.98	100.98	89.35				2900.29
8/21/2007	2986.45	2989.64	TOC	85.98	100.98	88.95				2900.69
11/4/2007	2986.45	2989.64	2988.45	85.98	100.98	88.35				2901.29
2/27/2008	2986.45	2989.64	TOC	85.98	100.98	87.70				2901.84
6/14/2008	2986.45	2989.64	TOC	85.98	100.98	87.71				2901.83
7/4/2008	2986.45	2989.64	TOC	85.98	100.98	87.66				2901.96
7/24/2008	2986.45	2989.64	TOC	85.98	100.98	87.64				2902.00
8/25/2008	2986.45	2989.64	TOC	85.98	100.98	87.52				2902.12
12/6/2008	2986.45	2989.64	TOC	85.98	100.98	87.70				2901.94
3/12/2009	2986.45	2989.64	TOC	85.98	100.98	87.80				2901.84
6/29/2009	2986.45	2989.64	TOC	85.98	100.98	87.74				2901.90
9/17/2009	2986.45	2989.64	TOC	85.98	100.98	88.03				2901.61

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Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

MW-15

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec. Grav.	Corrected GW Elev.
				Top	Bottom					
12/20/2009	2986.45	2989.64	TOC	85.98	100.98	88.20				2901.44
2/20/2010	2986.45	2989.64	TOC	85.98	100.98	88.25				2901.39
6/28/2010	2986.45	2989.64	TOC	85.98	100.98	88.61				2901.03
10/23/2010	2986.45	2989.64	TOC	85.98	100.98	88.77				2900.87
3/18/2011	2986.45	2989.64	TOC	85.98	100.98	89.92				2899.72
6/18/2011	2986.45	2989.64	TOC	85.98	100.98	89.23				2900.41
12/31/2011	2986.45	2989.64	TOC	85.98	100.98	89.58				2900.06
3/31/2012	2986.45	2989.64	TOC	85.98	100.98	89.77				2899.87

MW-16

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec. Grav.	Corrected GW Elev.
				Top	Bottom					
3/27/2002	2985.80	2988.71	TOC	78.50	98.50	87.29				2901.42
6/26/2002	2985.80	2988.71	TOC	78.50	98.50	87.34				2901.37
9/25/2002	2985.80	2988.71	TOC	78.50	98.50	87.59				2901.12
12/28/2002	2985.80	2988.71	TOC	78.50	98.50	87.79				2900.92
3/22/2003	2985.80	2988.71	TOC	78.50	98.50	88.29				2900.42
6/18/2003	2985.80	2988.71	TOC	78.50	98.50	88.24				2900.47
9/22/2003	2985.80	2988.71	TOC	78.50	98.50	88.29				2900.42
12/22/2003	2985.80	2988.71	TOC	78.50	98.50	88.39				2900.32
3/17/2004	2985.80	2988.71	TOC	78.50	98.50	88.49				2900.22
6/26/2004	2985.80	2988.71	TOC	78.50	98.50	88.79				2899.92
12/19/2004	2985.80	2988.71	TOC	78.50	98.50	91.35				2897.36
1/19/2005	2985.80	2988.71	TOC	78.50	98.50	91.20				2897.51
1/25/2005	2985.80	2988.71	TOC	78.50	98.50	90.95				2897.76
1/26/2005	2985.80	2988.71	TOC	78.50	98.50	91.02				2897.69
2/7/2005	2985.80	2988.71	TOC	78.50	98.50	90.95				2897.76
2/16/2005	2985.80	2988.71	TOC	78.50	98.50	91.05				2897.66
3/16/2005	2985.80	2988.71	TOC	78.50	98.50	90.90				2897.81
5/11/2005	2985.80	2988.71	TOC	78.50	98.50	90.50				2898.21
6/26/2005	2985.80	2988.71	TOC	78.50	98.50	90.45				2898.26
9/8/2005	2985.80	2988.71	TOC	78.50	98.50	90.25				2898.46
9/19/2005	2985.80	2988.71	TOC	78.50	98.50	90.20				2898.51
10/17/2005	2985.80	2988.71	TOC	78.50	98.50	90.01				2898.70
12/2/2005	2985.80	2988.71	TOC	78.50	98.50	90.00				2898.71
1/10/2006	2985.80	2988.71	TOC	78.50	98.50	90.00				2898.71
3/3/2006	2985.80	2988.71	TOC	78.50	98.50	89.85				2898.86
4/12/2006	2985.80	2988.71	TOC	78.50	98.50	89.98				2898.73
5/30/2006	2985.80	2988.71	TOC	78.50	98.50	89.87				2898.84
6/26/2006	2985.80	2988.71	TOC	78.50	98.50	89.87				2898.84
9/7/2006	2985.80	2988.71	TOC	78.50	98.50	89.80				2898.91

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Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

MW-16

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
11/4/2006	2985.80	2988.71	TOC	78.50	98.50	89.90				2898.81
2/26/2007	2985.80	2988.71	TOC	78.50	98.50	89.85				2898.86
5/23/2007	2985.80	2988.71	TOC	78.50	98.50	90.00				2898.71
8/21/2007	2985.80	2988.71	TOC	78.50	98.50	89.75				2898.96
11/3/2007	2985.80	2988.71	2985.8	78.50	98.50	89.50				2899.21
2/25/2008	2985.80	2988.71	TOC	78.50	98.50	88.81				2899.90
6/14/2008	2985.80	2988.71	TOC	78.50	98.50	88.64				2900.07
7/4/2008	2985.80	2988.71	TOC	78.50	98.50	88.67				2900.04
7/24/2008	2985.80	2988.71	TOC	78.50	98.50	88.61				2900.10
8/26/2008	2985.80	2988.71	TOC	78.50	98.50	88.51				2900.20
12/8/2008	2985.80	2988.71	TOC	78.50	98.50	88.45				2900.26
3/12/2009	2985.80	2988.71	TOC	78.50	98.50	88.40				2900.31
6/29/2009	2985.80	2988.71	TOC	78.50	98.50	88.38				2900.33
9/17/2009	2985.80	2988.71	TOC	78.50	98.50	88.65				2900.06
12/20/2009	2985.80	2988.71	TOC	78.50	98.50	88.72				2899.99
2/20/2010	2985.80	2988.71	TOC	78.50	98.50	88.63				2900.08
6/28/2010	2985.80	2988.71	TOC	78.50	98.50	89.00				2899.71
10/23/2010	2985.80	2988.71	TOC	78.50	98.50	89.26				2899.45
3/18/2011	2985.80	2988.71	TOC	78.50	98.50	89.45				2899.26
6/18/2011	2985.80	2988.71	TOC	78.50	98.50	89.65				2899.06
12/31/2011	2985.80	2988.71	TOC	78.50	98.50	89.88				2898.83
3/31/2012	2985.80	2988.71	TOC	78.50	98.50	90.08				2898.63

MW-17

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
3/27/2002	2985.09	2987.77	TOC	80.00	100.00	86.82				2900.95
6/26/2002	2985.09	2987.77	TOC	80.00	100.00	86.72				2901.05
9/25/2002	2985.09	2987.77	TOC	80.00	100.00	87.12				2900.65
12/28/2002	2985.09	2987.77	TOC	80.00	100.00	87.32				2900.45
3/22/2003	2985.09	2987.77	TOC	80.00	100.00	88.72				2899.05
6/18/2003	2985.09	2987.77	TOC	80.00	100.00	87.67				2900.10
9/22/2003	2985.09	2987.77	TOC	80.00	100.00	87.67				2900.10
12/22/2003	2985.09	2987.77	TOC	80.00	100.00	87.82				2899.95
3/17/2004	2985.09	2987.77	TOC	80.00	100.00	89.02				2898.75
6/26/2004	2985.09	2987.77	TOC	80.00	100.00	88.27				2899.50
12/19/2004	2985.09	2987.77	TOC	80.00	100.00	91.70				2896.07
1/19/2005	2985.09	2987.77	TOC	80.00	100.00	91.70				2896.07
1/25/2005	2985.09	2987.77	TOC	80.00	100.00	90.40				2897.37
1/26/2005	2985.09	2987.77	TOC	80.00	100.00	90.42				2897.35
2/7/2005	2985.09	2987.77	TOC	80.00	100.00	90.30				2897.47

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Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

MW-17

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
2/16/2005	2985.09	2987.77	TOC	80.00	100.00	90.50				2887.27
3/16/2005	2985.09	2987.77	TOC	80.00	100.00	90.35				2897.42
5/11/2005	2985.09	2987.77	TOC	80.00	100.00	89.95				2897.82
6/26/2005	2985.09	2987.77	TOC	80.00	100.00	89.85				2897.92
9/8/2005	2985.09	2987.77	TOC	80.00	100.00	89.60				2898.17
9/19/2005	2985.09	2987.77	TOC	80.00	100.00	89.60				2898.17
10/17/2005	2985.09	2987.77	TOC	80.00	100.00	89.44				2898.33
12/2/2005	2985.09	2987.77	TOC	80.00	100.00	89.35				2898.42
1/10/2006	2985.09	2987.77	TOC	80.00	100.00	89.40				2898.37
3/3/2006	2985.09	2987.77	TOC	80.00	100.00	89.25				2898.52
4/12/2006	2985.09	2987.77	TOC	80.00	100.00	89.37				2898.40
5/30/2006	2985.09	2987.77	TOC	80.00	100.00	89.28				2898.49
6/26/2006	2985.09	2987.77	TOC	80.00	100.00	89.30				2898.47
9/7/2006	2985.09	2987.77	TOC	80.00	100.00	89.15				2898.62
11/4/2006	2985.09	2987.77	TOC	80.00	100.00	89.26				2898.51
2/26/2007	2985.09	2987.77	TOC	80.00	100.00	89.25				2898.52
5/23/2007	2985.09	2987.77	TOC	80.00	100.00	89.35				2898.42
8/21/2007	2985.09	2987.77	TOC	80.00	100.00	89.20				2898.57
11/3/2007	2985.09	2987.77	2985.09	80.00	100.00	89.12				2898.65
2/25/2008	2985.09	2987.77	TOC	80.00	100.00	88.50				2899.27
6/14/2008	2985.09	2987.77	TOC	80.00	100.00	88.25				2899.52
7/4/2008	2985.09	2987.77	TOC	80.00	100.00	88.20				2899.57
7/24/2008	2985.09	2987.77	TOC	80.00	100.00	88.16				2899.61
8/26/2008	2985.09	2987.77	TOC	80.00	100.00	88.05				2899.72
12/7/2008	2985.09	2987.77	TOC	80.00	100.00	87.90				2899.87
3/12/2009	2985.09	2987.77	TOC	80.00	100.00	87.94				2899.83
6/29/2009	2985.09	2987.77	TOC	80.00	100.00	87.90				2899.87
9/17/2009	2985.09	2987.77	TOC	80.00	100.00	88.10				2899.67
12/20/2009	2985.09	2987.77	TOC	80.00	100.00	88.17				2899.60
2/21/2010	2985.09	2987.77	TOC	80.00	100.00	88.28				2899.49
6/28/2010	2985.09	2987.77	TOC	80.00	100.00	88.38				2899.39
10/23/2010	2985.09	2987.77	TOC	80.00	100.00	88.62				2899.15
3/18/2011	2985.09	2987.77	TOC	80.00	100.00	88.95				2898.82
6/18/2011	2985.09	2987.77	TOC	80.00	100.00	88.98				2898.79
12/31/2011	2985.09	2987.77	TOC	80.00	100.00	89.17				2898.60
3/31/2012	2985.09	2987.77	TOC	80.00	100.00	89.36				2898.41

MW-18

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
3/27/2002	2987.16	2989.68	TOC	75.00	95.00	93.38	86.48	6.90	0.830	2902.03

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Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

MW-18

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
6/26/2002	2987.16	2989.68	TOC	75.00	95.00	93.98	86.48	7.50	0.830	2901.93
9/25/2002	2987.16	2989.68	TOC	75.00	95.00	94.23	87.23	7.00	0.830	2901.26
12/28/2002	2987.16	2989.68	TOC	75.00	95.00	88.80	88.78	0.02	0.830	2900.90
9/22/2003	2987.16	2989.68	TOC	75.00	95.00	92.58	87.93	4.65	0.830	2900.96
12/22/2003	2987.16	2989.68	TOC	75.00	95.00	89.38	89.33	0.05	0.830	2900.34
6/26/2004	2987.16	2989.68	TOC	75.00	95.00	88.73	88.71	0.02	0.830	2900.97
6/9/2005	2987.16	2989.68	TOC	75.00	95.00	89.60	89.60		0.830	2900.08
9/8/2005	2987.16	2989.68	TOC	75.00	95.00	89.33	89.32	0.01	0.830	2900.36
9/27/2005	2987.16	2989.68	TOC	75.00	95.00	89.10	89.10		0.830	2900.58
10/2/2005	2987.16	2989.68	TOC	75.00	95.00	89.05				2900.63
10/14/2005	2987.16	2989.68	TOC	75.00	95.00	89.15				2900.53
10/17/2005	2987.16	2989.68	TOC	75.00	95.00	89.06	89.05	0.01	0.830	2900.63
10/24/2005	2987.16	2989.68	TOC	75.00	95.00	89.11				2900.57
12/2/2005	2987.16	2989.68	TOC	75.00	95.00	88.95				2900.73
6/16/2008	2987.16	2989.68	TOC	75.00	95.00	87.60	87.57	0.03	0.830	2902.10
7/4/2008	2987.16	2989.68	TOC	75.00	95.00	87.68	87.65	0.03	0.830	2902.02
7/24/2008	2987.16	2989.68	TOC	75.00	95.00	87.84	87.80	0.04	0.830	2902.07
8/26/2008	2987.16	2989.68	TOC	75.00	95.00	87.52	87.48	0.04	0.830	2902.19
12/8/2008	2987.16	2989.68	TOC	75.00	95.00	87.55	87.47	0.08	0.830	2902.20
3/14/2009	2987.16	2989.68	TOC	75.00	95.00	87.61	87.55	0.06	0.830	2902.12
6/29/2009	2987.16	2989.68	TOC	75.00	95.00	87.77	87.71	0.06	0.830	2901.96
9/16/2009	2987.16	2989.68	TOC	75.00	95.00	88.15	88.05	0.09	0.830	2901.80
12/20/2009	2987.16	2989.68	TOC	75.00	95.00	88.28	88.20	0.08	0.830	2901.47
2/21/2010	2987.16	2989.68	TOC	75.00	95.00	88.40	88.36	0.04	0.830	2901.31
6/28/2010	2987.16	2989.68	TOC	75.00	95.00	88.65	88.60	0.05	0.830	2901.07
10/23/2010	2987.16	2989.68	TOC	75.00	95.00	88.92	88.85	0.07	0.830	2900.82
1/19/2011	2987.16	2989.68	TOC	75.00	95.00	88.98	88.94	0.04	0.830	2900.73
3/18/2011	2987.16	2989.68	TOC	75.00	95.00	89.20	89.15	0.05	0.830	2900.52
6/18/2011	2987.16	2989.68	TOC	75.00	95.00	89.41	89.26	0.15	0.830	2900.39
12/31/2011	2987.16	2989.68	TOC	75.00	95.00	89.75	89.51	0.24	0.830	2900.13
3/31/2012	2987.16	2989.68	TOC	75.00	95.00	90.01	89.75	0.26	0.830	2899.89

MW-19

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
3/27/2002	2988.86	2991.92	TOC	80.00	100.00	94.24	88.14	6.10	0.830	2902.74
6/26/2002	2988.86	2991.92	TOC	80.00	100.00	94.19	88.29	5.90	0.830	2902.63
9/25/2002	2988.86	2991.92	TOC	80.00	100.00	95.39	88.79	6.60	0.830	2902.01
12/28/2002	2988.86	2991.92	TOC	80.00	100.00	91.46	91.44	0.02	0.830	2900.48
9/22/2003	2988.86	2991.92	TOC	80.00	100.00	91.24	89.59	1.65	0.830	2902.05
12/22/2003	2988.86	2991.92	TOC	80.00	100.00	89.61	89.59	0.02	0.830	2902.33

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Table 1
GROUNDWATER MEASUREMENTS TABLE
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Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
6/26/2004	2988.86	2991.92	TOC	80.00	100.00	88.52	88.51	0.01	0.830	2903.41
6/9/2005	2988.86	2991.92	TOC	80.00	100.00	92.00	92.00		0.830	2899.92
9/27/2005	2988.86	2991.92	TOC	80.00	100.00	91.15	91.10	0.05	0.830	2900.81
10/2/2005	2988.86	2991.92	TOC	80.00	100.00	91.20	91.05	0.15	0.830	2900.84
10/14/2005	2988.86	2991.92	TOC	80.00	100.00	91.30	91.10	0.20	0.830	2900.79
10/17/2005	2988.86	2991.92	TOC	80.00	100.00	91.12	91.05	0.07	0.830	2900.86
10/24/2005	2988.86	2991.92	TOC	80.00	100.00	91.25	91.10	0.15	0.830	2900.79
12/2/2005	2988.86	2991.92	TOC	80.00	100.00	91.10	90.98	0.12	0.830	2900.92
6/16/2008	2988.86	2991.92	TOC	80.00	100.00	89.65	89.60	0.05	0.830	2902.31
7/4/2008	2988.86	2991.92	TOC	80.00	100.00	89.73	89.70	0.03	0.830	2902.21
7/24/2008	2988.86	2991.92	TOC	80.00	100.00	89.70	89.65	0.05	0.830	2902.26
8/26/2008	2988.86	2991.92	TOC	80.00	100.00	89.66	89.60	0.06	0.830	2902.31
12/8/2008	2988.86	2991.92	TOC	80.00	100.00	89.67	89.65	0.02	0.830	2902.27
3/14/2009	2988.86	2991.92	TOC	80.00	100.00	90.70	90.67	0.03	0.830	2901.24
6/29/2009	2988.86	2991.92	TOC	80.00	100.00	89.91	89.88	0.03	0.830	2902.03
9/16/2009	2988.86	2991.92	TOC	80.00	100.00	90.24	90.23	0.01	0.830	2901.69
12/20/2009	2988.86	2991.92	TOC	80.00	100.00	90.37	90.36	0.01	0.830	2901.56
2/24/2010	2988.86	2991.92	TOC	80.00	100.00	90.59	90.59		0.830	2901.33
6/28/2010	2988.86	2991.92	TOC	80.00	100.00	90.80	90.76	0.04	0.830	2901.15
10/23/2010	2988.86	2991.92	TOC	80.00	100.00	91.25	91.05	0.20	0.830	2900.84
1/19/2011	2988.86	2991.92	TOC	80.00	100.00	91.26	91.08	0.18	0.830	2900.81
3/18/2011	2988.86	2991.92	TOC	80.00	100.00	91.30	91.12	0.18	0.830	2900.77
6/18/2011	2988.86	2991.92	TOC	80.00	100.00	91.75	91.34	0.41	0.830	2900.51
12/31/2011	2988.86	2991.92	TOC	80.00	100.00	92.78	91.50	1.28	0.830	2900.20
3/31/2012	2988.86	2991.92	TOC	80.00	100.00	93.19	91.70	1.49	0.830	2899.97

MW-20

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
3/27/2002	2987.22	2989.64	TOC	75.00	95.00	94.08	87.03	7.05	0.830	2901.41
6/26/2002	2987.22	2989.64	TOC	75.00	95.00	93.73	86.93	6.80	0.830	2901.55
9/25/2002	2987.22	2989.64	TOC	75.00	95.00	94.73	87.68	7.05	0.830	2900.76
12/28/2002	2987.22	2989.64	TOC	75.00	95.00	90.10	90.08	0.02	0.830	2899.56
9/22/2003	2987.22	2989.64	TOC	75.00	95.00	93.03	88.43	4.60	0.830	2900.43
12/22/2003	2987.22	2989.64	TOC	75.00	95.00	89.60	89.58	0.02	0.830	2900.06
6/26/2004	2987.22	2989.64	TOC	75.00	95.00	93.31	87.78	5.53	0.830	2900.92
6/9/2005	2987.22	2989.64	TOC	75.00	95.00	89.50	89.50		0.830	2900.14
9/27/2005	2987.22	2989.64	TOC	75.00	95.00	89.60	89.55	0.05	0.830	2900.08
10/2/2005	2987.22	2989.64	TOC	75.00	95.00	89.57	89.55	0.02	0.830	2900.09
10/14/2005	2987.22	2989.64	TOC	75.00	95.00	89.55	89.55		0.830	2900.09
10/17/2005	2987.22	2989.64	TOC	75.00	95.00	89.55	89.50	0.05	0.830	2900.13

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Table 1
GROUNDWATER MEASUREMENTS TABLE
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Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
10/24/2005	2987.22	2989.64	TOC	75.00	95.00	89.60	89.55	0.05	0.830	2900.08
12/2/2005	2987.22	2989.64	TOC	75.00	95.00	89.50	89.40	0.10	0.830	2900.22
1/10/2006	2987.22	2989.64	TOC	75.00	95.00	89.85	89.75	0.10	0.830	2899.87
3/3/2006	2987.22	2989.64	TOC	75.00	95.00	89.80	89.62	0.18	0.830	2899.99
4/12/2006	2987.22	2989.64	TOC	75.00	95.00	89.85	89.75	0.10	0.830	2899.87
8/21/2007	2987.22	2989.64	TOC	75.00	95.00	89.67	89.65	0.02	0.830	2899.99
11/5/2007	2987.22	2989.64	2987.22	75.00	95.00	89.36	89.35	0.01	0.830	2900.29
6/17/2008	2987.22	2989.64	TOC	75.00	95.00	88.20	88.20		0.830	2901.44
7/4/2008	2987.22	2989.64	TOC	75.00	95.00	88.15	88.15		0.830	2901.49
7/24/2008	2987.22	2989.64	TOC	75.00	95.00	88.08	88.08		0.830	2901.56
8/26/2008	2987.22	2989.64	TOC	75.00	95.00	87.98	87.98		0.830	2901.66
12/8/2008	2987.22	2989.64	TOC	75.00	95.00	87.96	87.96		0.830	2901.88
3/14/2009	2987.22	2989.64	TOC	75.00	95.00	88.05	88.05		0.830	2901.59
6/29/2009	2987.22	2989.64	TOC	75.00	95.00	88.20	88.20		0.830	2901.44
9/16/2009	2987.22	2989.64	TOC	75.00	95.00	88.56	88.52	0.04	0.830	2901.11
12/20/2009	2987.22	2989.64	TOC	75.00	95.00	88.67	88.65	0.02	0.830	2900.99
2/24/2010	2987.22	2989.64	TOC	75.00	95.00	88.87	88.86	0.01	0.830	2900.78
6/28/2010	2987.22	2989.64	TOC	75.00	95.00	89.05	89.05		0.830	2900.59
10/23/2010	2987.22	2989.64	TOC	75.00	95.00	89.57	89.57		0.830	2900.07
3/18/2011	2987.22	2989.64	TOC	75.00	95.00	89.52				2900.12
6/18/2011	2987.22	2989.64	TOC	75.00	95.00	89.72	89.71	0.01	0.830	2899.93
12/31/2011	2987.22	2989.64	TOC	75.00	95.00	90.27	89.95	0.32	0.830	2899.64
3/31/2012	2987.22	2989.64	TOC	75.00	95.00	90.70	90.11	0.59	0.830	2899.43

MW-21

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
12/28/2002	2986.63	2989.19	TOC	78.00	98.00	88.54				2900.65
3/22/2003	2986.63	2989.19	TOC	78.00	98.00	88.74				2900.45
6/18/2003	2986.63	2989.19	TOC	78.00	98.00	88.64				2900.55
9/22/2003	2986.63	2989.19	TOC	78.00	98.00	88.89				2900.30
12/22/2003	2986.63	2989.19	TOC	78.00	98.00	88.99				2900.20
3/17/2004	2986.63	2989.19	TOC	78.00	98.00	89.24				2899.95
6/26/2004	2986.63	2989.19	TOC	78.00	98.00	89.44				2899.75
12/19/2004	2986.63	2989.19	TOC	78.00	98.00	91.65				2897.54
1/19/2005	2986.63	2989.19	TOC	78.00	98.00	91.60				2897.59
1/25/2005	2986.63	2989.19	TOC	78.00	98.00	91.35				2897.84
1/26/2005	2986.63	2989.19	TOC	78.00	98.00	91.35				2897.84
2/7/2005	2986.63	2989.19	TOC	78.00	98.00	91.30				2897.89
2/16/2005	2986.63	2989.19	TOC	78.00	98.00	91.45				2897.74
3/16/2005	2986.63	2989.19	TOC	78.00	98.00	91.20				2897.99

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Table 1
GROUNDWATER MEASUREMENTS TABLE
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MW-21

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec. Grav.	Corrected GW Elev.
				Top	Bottom					
5/11/2005	2986.63	2989.19	TOC	78.00	98.00	90.80				2898.39
6/26/2005	2986.63	2989.19	TOC	78.00	98.00	90.65				2898.54
9/8/2005	2986.63	2989.19	TOC	78.00	98.00	90.40				2898.79
9/19/2005	2986.63	2989.19	TOC	78.00	98.00	90.40				2898.79
10/17/2005	2986.63	2989.19	TOC	78.00	98.00	90.21				2898.98
12/2/2005	2986.63	2989.19	TOC	78.00	98.00	90.20				2898.99
1/10/2006	2986.63	2989.19	TOC	78.00	98.00	90.20				2898.99
3/3/2006	2986.63	2989.19	TOC	78.00	98.00	90.10				2899.09
4/12/2006	2986.63	2989.19	TOC	78.00	98.00	90.25				2898.94
5/30/2006	2986.63	2989.19	TOC	78.00	98.00	90.10				2899.09
6/26/2006	2986.63	2989.19	TOC	78.00	98.00	90.10				2899.09
9/7/2006	2986.63	2989.19	TOC	78.00	98.00	90.00				2899.19
11/4/2006	2986.63	2989.19	TOC	78.00	98.00	90.06				2899.13
2/26/2007	2986.63	2989.19	TOC	78.00	98.00	90.10				2899.09
5/23/2007	2986.63	2989.19	TOC	78.00	98.00	90.25				2898.94
8/21/2007	2986.63	2989.19	TOC	78.00	98.00	90.07				2899.12
11/3/2007	2986.63	2989.19	2986.63	78.00	98.00	90.00				2899.19
2/25/2008	2986.63	2989.19	TOC	78.00	98.00	89.25				2899.94
6/14/2008	2986.63	2989.19	TOC	78.00	98.00	89.00				2900.19
7/4/2008	2986.63	2989.19	TOC	78.00	98.00	88.92				2900.27
7/24/2008	2986.63	2989.19	TOC	78.00	98.00	88.88				2900.31
8/26/2008	2986.63	2989.19	TOC	78.00	98.00	88.80				2900.39
12/7/2008	2986.63	2989.19	TOC	78.00	98.00	88.75				2900.44
3/12/2009	2986.63	2989.19	TOC	78.00	98.00	88.80				2900.39
6/29/2009	2986.63	2989.19	TOC	78.00	98.00	88.77				2900.42
9/17/2009	2986.63	2989.19	TOC	78.00	98.00	89.00				2900.19
12/20/2009	2986.63	2989.19	TOC	78.00	98.00	89.10				2900.09
2/21/2010	2986.63	2989.19	TOC	78.00	98.00	89.25				2899.94
6/28/2010	2986.63	2989.19	TOC	78.00	98.00	89.38				2899.81
10/23/2010	2986.63	2989.19	TOC	78.00	98.00	89.63				2899.56
3/18/2011	2986.63	2989.18	TOC	78.00	98.00	89.90				2899.29
6/18/2011	2986.63	2989.19	TOC	78.00	98.00	89.97				2899.22
12/31/2011	2986.63	2989.19	TOC	78.00	98.00	90.19				2899.00
3/31/2012	2986.63	2989.18	TOC	78.00	98.00	90.37				2898.82

MW-22

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec. Grav.	Corrected GW Elev.
				Top	Bottom					
12/28/2002	2989.24	2991.56	TOC	80.00	100.00	90.83				2901.56
3/22/2003	2989.24	2991.56	TOC	80.00	100.00	92.58				2901.18
6/18/2003	2989.24	2991.55	TOC	80.00	100.00	92.58				2901.22

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Table 1
GROUNDWATER MEASUREMENTS TABLE
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MW-22

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen Top	Depth of Screen Bottom	Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec. Grav.	Corrected GW Elev.
9/22/2003	2989.24	2991.56	TOC	80.00	100.00	93.13	89.93	3.20	0.830	2901.09
12/22/2003	2989.24	2991.56	TOC	80.00	100.00	93.23	90.13	3.10	0.830	2900.90
3/17/2004	2989.24	2991.56	TOC	80.00	100.00	93.88	90.38	3.50	0.830	2900.58
6/26/2004	2989.24	2991.56	TOC	80.00	100.00	93.98	90.48	3.50	0.830	2900.49
6/9/2005	2989.24	2991.56	TOC	80.00	100.00	92.00	92.00		0.830	2898.56
9/8/2005	2989.24	2991.56	TOC	80.00	100.00	90.83	90.82	0.01	0.830	2900.74
9/27/2005	2989.24	2991.56	TOC	80.00	100.00	90.70	90.70		0.830	2900.86
10/2/2005	2989.24	2991.56	TOC	80.00	100.00	90.65				2900.91
10/14/2005	2989.24	2991.56	TOC	80.00	100.00	90.71				2900.85
10/17/2005	2989.24	2991.56	TOC	80.00	100.00	90.65				2900.91
10/24/2005	2989.24	2991.56	TOC	80.00	100.00	90.70				2900.86
12/2/2005	2989.24	2991.56	TOC	80.00	100.00	90.58				2900.98
1/10/2006	2988.24	2991.56	TOC	80.00	100.00	90.80				2900.76
3/3/2006	2989.24	2991.56	TOC	80.00	100.00	90.65				2900.91
4/12/2006	2989.24	2991.56	TOC	80.00	100.00	90.61	90.60	0.01	0.830	2900.96
5/30/2006	2989.24	2991.56	TOC	80.00	100.00	90.76				2900.80
6/7/2006	2989.24	2991.56	TOC	80.00	100.00	90.75				2900.81
9/8/2006	2989.24	2991.56	TOC	80.00	100.00	90.81				2900.75
11/8/2006	2989.24	2991.56	TOC	80.00	100.00	91.00				2900.56
5/22/2007	2989.24	2991.56	TOC	80.00	100.00	91.00				2900.56
11/5/2007	2989.24	2991.56	2989.24	80.00	100.00	90.15	90.15		0.830	2901.41
6/16/2008	2989.24	2991.56	TOC	80.00	100.00	89.16				2902.40
7/4/2008	2989.24	2991.56	TOC	80.00	100.00	89.24				2902.32
7/24/2008	2989.24	2991.56	TOC	80.00	100.00	89.18				2902.38
8/25/2008	2989.24	2991.56	TOC	80.00	100.00	89.17				2902.39
12/6/2008	2989.24	2991.56	TOC	80.00	100.00	89.20	89.20		0.830	2902.36
3/14/2009	2989.24	2991.56	TOC	80.00	100.00	89.18	89.18		0.830	2902.38
6/29/2009	2989.24	2991.56	TOC	80.00	100.00	89.39				2902.17
9/17/2009	2989.24	2991.56	TOC	80.00	100.00	89.71	89.71		0.830	2901.85
12/20/2009	2989.24	2991.56	TOC	80.00	100.00	89.92				2901.64
2/22/2010	2989.24	2991.56	TOC	80.00	100.00	90.13				2901.43
6/28/2010	2989.24	2991.56	TOC	80.00	100.00	90.33				2901.23
10/23/2010	2989.24	2991.56	TOC	80.00	100.00	90.61				2900.95
3/18/2011	2989.24	2991.56	TOC	80.00	100.00	90.82				2900.74
6/18/2011	2989.24	2991.56	TOC	80.00	100.00	91.01				2900.55
12/31/2011	2989.24	2991.56	TOC	80.00	100.00	91.31	91.30	0.01	0.830	2900.26
3/31/2012	2989.24	2991.56	TOC	80.00	100.00	91.55	91.54	0.01	0.830	2900.02

Monday, September 10, 2012

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Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

MW-23

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec. Grav.	Corrected GW Elev.
				Top	Bottom					
6/7/2006	2986.90	2991.90	TOC	80.00	120.00	97.56				2894.34
9/8/2006	2986.90	2991.90	TOC	80.00	120.00	97.62				2894.28
11/8/2006	2986.90	2991.90	TOC	80.00	120.00	97.70				2894.20
2/25/2007	2986.90	2991.90	TOC	80.00	120.00	97.82				2894.08
5/22/2007	2986.90	2991.90	TOC	80.00	120.00	97.85				2894.05
8/21/2007	2986.90	2991.90	TOC	80.00	120.00	97.45				2894.45
11/6/2007	2986.90	2991.90	2986.9	80.00	120.00	97.05				2894.85
3/4/2008	2986.90	2991.90	TOC	80.00	120.00	96.40				2895.50
6/17/2008	2986.90	2991.90	TOC	80.00	120.00	96.02				2895.88
7/4/2008	2986.90	2991.90	TOC	80.00	120.00	96.00				2895.90
7/24/2008	2986.90	2991.90	TOC	80.00	120.00	95.95				2895.95
8/26/2008	2986.90	2991.90	TOC	80.00	120.00	95.90				2896.00
12/8/2008	2986.90	2991.90	TOC	80.00	120.00	95.85				2896.05
3/14/2009	2986.90	2991.90	TOC	80.00	120.00	96.00				2895.90
6/29/2009	2986.90	2991.90	TOC	80.00	120.00	96.12				2895.78
9/17/2009	2986.90	2991.90	TOC	80.00	120.00	96.50				2895.40
12/20/2009	2986.90	2991.90	TOC	80.00	120.00	96.73				2895.17
2/21/2010	2986.90	2991.90	TOC	80.00	120.00	96.74				2895.16
6/28/2010	2986.90	2991.90	TOC	80.00	120.00	97.10				2894.80
10/23/2010	2986.90	2991.90	TOC	80.00	120.00	97.42				2894.48
1/19/2011	2986.90	2991.90	TOC	80.00	120.00	97.43				2894.47
3/18/2011	2986.90	2991.90	TOC	80.00	120.00	97.75				2894.15
6/18/2011	2986.90	2991.90	TOC	80.00	120.00	97.82				2894.08
12/31/2011	2986.90	2991.90	TOC	80.00	120.00	98.15				2893.75
3/31/2012	2986.90	2991.90	TOC	80.00	120.00	98.25				2893.65

MW-24

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec. Grav.	Corrected GW Elev.
				Top	Bottom					
6/4/2006	2988.76	2993.76	TOC	77.00	117.00	97.90				2895.86
9/6/2006	2988.76	2993.76	TOC	77.00	117.00	98.00				2895.76
11/8/2006	2988.76	2993.76	TOC	77.00	117.00	98.10				2895.66
2/25/2007	2988.76	2993.76	TOC	77.00	117.00	98.10				2895.66
5/22/2007	2988.76	2993.76	TOC	77.00	117.00	98.10				2895.66
11/6/2007	2988.76	2993.76	2988.76	77.00	117.00	97.54				2896.22
3/4/2008	2988.76	2993.76	TOC	77.00	117.00	96.80				2896.96
6/16/2008	2988.76	2993.76	TOC	77.00	117.00	96.27				2897.49
7/4/2008	2988.76	2993.76	TOC	77.00	117.00	96.37				2897.39
7/24/2008	2988.76	2993.76	TOC	77.00	117.00	96.35				2897.41
8/26/2008	2988.76	2993.76	TOC	77.00	117.00	96.27				2897.49
12/8/2008	2988.76	2993.76	TOC	77.00	117.00	96.32				2897.44

Monday, September 10, 2012

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Table 1
GROUNDWATER MEASUREMENTS TABLE
 Jal Station Diesel Remediation

Jal, NM

MW-24

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec Grav.	Corrected GW Elev.
				Top	Bottom					
3/14/2009	2988.76	2993.76	TOC	77.00	117.00	96.38				2897.38
6/29/2009	2988.76	2993.76	TOC	77.00	117.00	96.55				2897.21
9/17/2009	2988.76	2993.76	TOC	77.00	117.00	95.85				2897.91
12/20/2009	2988.76	2993.76	TOC	77.00	117.00	97.05				2896.71
2/21/2010	2988.76	2993.76	TOC	77.00	117.00	97.15				2896.61
6/28/2010	2988.76	2993.76	TOC	77.00	117.00	97.50				2896.26
10/23/2010	2988.76	2993.76	TOC	77.00	117.00	99.00	97.63	1.37	0.830	2895.90
1/11/2011	2988.76	2993.76	TOC	77.00	117.00	99.16	97.67	1.49	0.830	2895.84
1/19/2011	2988.76	2993.76	TOC	77.00	117.00	98.95	97.63	1.32	0.830	2895.91
1/20/2011	2988.76	2993.76	TOC	77.00	117.00	98.35	97.78	0.57	0.830	2895.88
3/18/2011	2988.76	2993.76	TOC	77.00	117.00	99.12	97.70	1.42	0.830	2895.82
6/18/2011	2988.76	2993.76	TOC	77.00	117.00	99.43	97.97	1.46	0.830	2895.54
12/31/2011	2988.76	2993.76	TOC	77.00	117.00	99.95	98.30	1.65	0.830	2895.18
3/31/2012	2988.76	2993.76	TOC	77.00	117.00	100.45	98.46	1.99	0.830	2894.96

Monday, September 10, 2012

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APPENDIX C

LABORATORY ANALYTICAL RESULTS

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



Revised Analytical Report

Prepared for:

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

Project: Plains- Jal Station Release 8/4/20

Project Number: PP-2101

Location: Lea County, NM

Lab Order Number: 0H06004



NELAP/TCEQ # T104704516-18-9

Report Date: 01/19/21

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
AH-1 @ 2'	0H06004-01	Soil	08/05/20 08:59	08-06-2020 10:50
AH-1 @ 4'	0H06004-02	Soil	08/05/20 09:08	08-06-2020 10:50
AH-2 @ 2'	0H06004-05	Soil	08/05/20 14:26	08-06-2020 10:50
AH-2 @ 4'	0H06004-06	Soil	08/05/20 14:33	08-06-2020 10:50
AH-2 @ 6'	0H06004-07	Soil	08/05/20 15:00	08-06-2020 10:50
AH-2 @ 8'	0H06004-08	Soil	08/05/20 15:17	08-06-2020 10:50

On 09/02/2020 PBELAB staff was advised to change the project name for this report to Plains-Jal Station Release 8/4/20.

This revised report reflects this change.

On 01/19/2021 a request was made to modify the report to reflect the data reported.

This revised report reflects that change.

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

AH-1 @ 2'
0H06004-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	19.5	0.100	mg/kg dry	100	P0H0603	08/06/20	08/06/20	EPA 8021B	
Toluene	40.3	0.100	mg/kg dry	100	P0H0603	08/06/20	08/06/20	EPA 8021B	
Ethylbenzene	31.5	0.100	mg/kg dry	100	P0H0603	08/06/20	08/06/20	EPA 8021B	
Xylene (p/m)	67.6	0.200	mg/kg dry	100	P0H0603	08/06/20	08/06/20	EPA 8021B	
Xylene (o)	24.2	0.100	mg/kg dry	100	P0H0603	08/06/20	08/06/20	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		77.5 %		75-125	P0H0603	08/06/20	08/06/20	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		85.4 %		75-125	P0H0603	08/06/20	08/06/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	17.4	1.12	mg/kg dry	1	P0H1104	08/11/20	08/12/20	EPA 300.0	
% Moisture	11.0	0.1	%	1	P0H0701	08/07/20	08/07/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	11300	562	mg/kg dry	20	P0H0706	08/07/20	08/07/20	TPH 8015M	
>C12-C28	34500	562	mg/kg dry	20	P0H0706	08/07/20	08/07/20	TPH 8015M	
>C28-C35	4650	562	mg/kg dry	20	P0H0706	08/07/20	08/07/20	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		116 %		70-130	P0H0706	08/07/20	08/07/20	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		128 %		70-130	P0H0706	08/07/20	08/07/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	50400	562	mg/kg dry	20	[CALC]	08/07/20	08/07/20	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.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

AH-1 @ 4'
0H06004-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.0200	mg/kg dry	20	P0H0603	08/06/20	08/06/20	EPA 8021B	
Toluene	0.0672	0.0200	mg/kg dry	20	P0H0603	08/06/20	08/06/20	EPA 8021B	
Ethylbenzene	0.0444	0.0200	mg/kg dry	20	P0H0603	08/06/20	08/06/20	EPA 8021B	
Xylene (p/m)	0.128	0.0400	mg/kg dry	20	P0H0603	08/06/20	08/06/20	EPA 8021B	
Xylene (o)	0.0267	0.0200	mg/kg dry	20	P0H0603	08/06/20	08/06/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	94.4 %		75-125		P0H0603	08/06/20	08/06/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	88.5 %		75-125		P0H0603	08/06/20	08/06/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	8.03	1.16	mg/kg dry	1	P0H1104	08/11/20	08/12/20	EPA 300.0	
% Moisture	14.0	0.1	%	1	P0H0701	08/07/20	08/07/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.1	mg/kg dry	1	P0H0706	08/07/20	08/07/20	TPH 8015M	
>C12-C28	108	29.1	mg/kg dry	1	P0H0706	08/07/20	08/07/20	TPH 8015M	
>C28-C35	ND	29.1	mg/kg dry	1	P0H0706	08/07/20	08/07/20	TPH 8015M	
Surrogate: 1-Chlorooctane	93.6 %		70-130		P0H0706	08/07/20	08/07/20	TPH 8015M	
Surrogate: o-Terphenyl	112 %		70-130		P0H0706	08/07/20	08/07/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	108	29.1	mg/kg dry	1	[CALC]	08/07/20	08/07/20	calc	

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

AH-2 @ 2'
0H06004-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	58.3	0.500	mg/kg dry	500	P0H0603	08/06/20	08/06/20	EPA 8021B	
Toluene	120	0.500	mg/kg dry	500	P0H0603	08/06/20	08/06/20	EPA 8021B	
Ethylbenzene	70.6	0.500	mg/kg dry	500	P0H0603	08/06/20	08/06/20	EPA 8021B	
Xylene (p/m)	169	1.00	mg/kg dry	500	P0H0603	08/06/20	08/06/20	EPA 8021B	
Xylene (o)	49.1	0.500	mg/kg dry	500	P0H0603	08/06/20	08/06/20	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		80.5 %		75-125	P0H0603	08/06/20	08/06/20	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		104 %		75-125	P0H0603	08/06/20	08/06/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	7.65	1.03	mg/kg dry	1	P0H1204	08/12/20	08/13/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0H0701	08/07/20	08/07/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	12500	515	mg/kg dry	20	P0H0706	08/07/20	08/07/20	TPH 8015M	
>C12-C28	25200	515	mg/kg dry	20	P0H0706	08/07/20	08/07/20	TPH 8015M	
>C28-C35	3470	515	mg/kg dry	20	P0H0706	08/07/20	08/07/20	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		116 %		70-130	P0H0706	08/07/20	08/07/20	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		122 %		70-130	P0H0706	08/07/20	08/07/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	41200	515	mg/kg dry	20	[CALC]	08/07/20	08/07/20	calc	

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

AH-2 @ 4'
0H06004-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	3.32	0.100	mg/kg dry	100	P0H0603	08/06/20	08/06/20	EPA 8021B	
Toluene	6.48	0.100	mg/kg dry	100	P0H0603	08/06/20	08/06/20	EPA 8021B	
Ethylbenzene	5.71	0.100	mg/kg dry	100	P0H0603	08/06/20	08/06/20	EPA 8021B	
Xylene (p/m)	11.6	0.200	mg/kg dry	100	P0H0603	08/06/20	08/06/20	EPA 8021B	
Xylene (o)	2.52	0.100	mg/kg dry	100	P0H0603	08/06/20	08/06/20	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		99.6 %		75-125	P0H0603	08/06/20	08/06/20	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		88.5 %		75-125	P0H0603	08/06/20	08/06/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	13.7	1.11	mg/kg dry	1	P0H1204	08/12/20	08/13/20	EPA 300.0	
% Moisture	10.0	0.1	%	1	P0H0701	08/07/20	08/07/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	1420	556	mg/kg dry	20	P0H0706	08/07/20	08/08/20	TPH 8015M	
>C12-C28	13600	556	mg/kg dry	20	P0H0706	08/07/20	08/08/20	TPH 8015M	
>C28-C35	2880	556	mg/kg dry	20	P0H0706	08/07/20	08/08/20	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		123 %		70-130	P0H0706	08/07/20	08/08/20	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		131 %		70-130	P0H0706	08/07/20	08/08/20	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	17900	556	mg/kg dry	20	[CALC]	08/07/20	08/08/20	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.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

AH-2 @ 6'
0H06004-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

% Moisture	11.0	0.1	%	1	P0H0701	08/07/20	08/07/20	ASTM D2216
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	688	562	mg/kg dry	20	P0H0706	08/07/20	08/08/20	TPH 8015M
>C12-C28	5640	562	mg/kg dry	20	P0H0706	08/07/20	08/08/20	TPH 8015M
>C28-C35	1280	562	mg/kg dry	20	P0H0706	08/07/20	08/08/20	TPH 8015M
<i>Surrogate: 1-Chlorooctane</i>		118 %	70-130		P0H0706	08/07/20	08/08/20	TPH 8015M
<i>Surrogate: o-Terphenyl</i>		130 %	70-130		P0H0706	08/07/20	08/08/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	7600	562	mg/kg dry	20	[CALC]	08/07/20	08/08/20	calc

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

AH-2 @ 8'
0H06004-08 (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	5.0	0.1	%	1	P0H0701	08/07/20	08/07/20	ASTM D2216
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	28.2	26.3	mg/kg dry	1	P0H0706	08/07/20	08/08/20	TPH 8015M
>C12-C28	299	26.3	mg/kg dry	1	P0H0706	08/07/20	08/08/20	TPH 8015M
>C28-C35	50.7	26.3	mg/kg dry	1	P0H0706	08/07/20	08/08/20	TPH 8015M
<i>Surrogate: 1-Chlorooctane</i>		104 %	70-130		P0H0706	08/07/20	08/08/20	TPH 8015M
<i>Surrogate: o-Terphenyl</i>		127 %	70-130		P0H0706	08/07/20	08/08/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	378	26.3	mg/kg dry	1	[CALC]	08/07/20	08/08/20	calc

Permian Basin Environmental Lab, L.P.

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Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
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
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Batch P0H0603 - General Preparation (GC)**Blank (P0H0603-BLK1)**

Prepared & Analyzed: 08/06/20

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	0.107		"	0.120		89.1	75-125			
Surrogate: 1,4-Difluorobenzene	0.107		"	0.120		89.0	75-125			

LCS (P0H0603-BS1)

Prepared & Analyzed: 08/06/20

Benzene	0.103	0.00100	mg/kg wet	0.100		103	80-120			
Toluene	0.105	0.00100	"	0.100		105	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120			
Xylene (p/m)	0.217	0.00200	"	0.200		108	80-120			
Xylene (o)	0.111	0.00100	"	0.100		111	80-120			
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.2	75-125			
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.7	75-125			

LCS Dup (P0H0603-BSD1)

Prepared & Analyzed: 08/06/20

Benzene	0.0951	0.00100	mg/kg wet	0.100		95.1	80-120	8.12	20	
Toluene	0.0964	0.00100	"	0.100		96.4	80-120	8.61	20	
Ethylbenzene	0.100	0.00100	"	0.100		100	80-120	4.92	20	
Xylene (p/m)	0.202	0.00200	"	0.200		101	80-120	6.89	20	
Xylene (o)	0.102	0.00100	"	0.100		102	80-120	8.37	20	
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		95.1	75-125			
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.0	75-125			

Calibration Blank (P0H0603-CCB1)

Prepared & Analyzed: 08/06/20

Benzene	0.00		mg/kg wet							
Toluene	0.360		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.480		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.0	75-125			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		90.4	75-125			

Permian Basin Environmental Lab, L.P.

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12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
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
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Batch P0H0603 - General Preparation (GC)**Calibration Check (P0H0603-CCV1)**

Prepared & Analyzed: 08/06/20

Benzene	0.0972	0.00100	mg/kg wet	0.100		97.2	80-120			
Toluene	0.0900	0.00100	"	0.100		90.0	80-120			
Ethylbenzene	0.0936	0.00100	"	0.100		93.6	80-120			
Xylene (p/m)	0.188	0.00200	"	0.200		93.8	80-120			
Xylene (o)	0.0959	0.00100	"	0.100		95.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.5	75-125			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		90.5	75-125			

Calibration Check (P0H0603-CCV2)

Prepared & Analyzed: 08/06/20

Benzene	0.103	0.00100	mg/kg wet	0.100		103	80-120			
Toluene	0.0995	0.00100	"	0.100		99.5	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120			
Xylene (p/m)	0.199	0.00200	"	0.200		99.3	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.0	75-125			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.8	75-125			

Duplicate (P0H0603-DUP1)

Source: 0H06004-02

Prepared & Analyzed: 08/06/20

Benzene	ND	0.0200	mg/kg dry		ND				20	
Toluene	0.0158	0.0200	"		0.0672			124	20	R3
Ethylbenzene	ND	0.0200	"		0.0444				20	
Xylene (p/m)	0.0288	0.0400	"		0.128			126	20	R3
Xylene (o)	ND	0.0200	"		0.0267				20	
Surrogate: 4-Bromofluorobenzene	0.129		"	0.140		92.1	75-125			
Surrogate: 1,4-Difluorobenzene	0.125		"	0.140		89.7	75-125			

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project 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
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Batch P0H0701 - * DEFAULT PREP *******Blank (P0H0701-BLK1)**

Prepared & Analyzed: 08/07/20

% Moisture	ND	0.1	%
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Blank (P0H0701-BLK2)

Prepared & Analyzed: 08/07/20

% Moisture	ND	0.1	%
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Blank (P0H0701-BLK3)

Prepared & Analyzed: 08/07/20

% Moisture	ND	0.1	%
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Duplicate (P0H0701-DUP1)

Source: 0H06003-01

Prepared & Analyzed: 08/07/20

% Moisture	12.0	0.1	%	11.0	8.70	20
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Duplicate (P0H0701-DUP2)

Source: 0H06005-02

Prepared & Analyzed: 08/07/20

% Moisture	11.0	0.1	%	11.0	0.00	20
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Duplicate (P0H0701-DUP3)

Source: 0H06008-01

Prepared & Analyzed: 08/07/20

% Moisture	ND	0.1	%	ND		20
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Duplicate (P0H0701-DUP4)

Source: 0H06010-07

Prepared & Analyzed: 08/07/20

% Moisture	5.0	0.1	%	6.0	18.2	20
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Batch P0H1104 - * DEFAULT PREP *******Blank (P0H1104-BLK1)**

Prepared & Analyzed: 08/11/20

Chloride	ND	1.00	mg/kg wet
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LCS (P0H1104-BS1)

Prepared & Analyzed: 08/11/20

Chloride	437	1.00	mg/kg wet	400	109	80-120
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Project Number: PP-2101
Project 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
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Batch P0H1104 - * DEFAULT PREP *****

LCS Dup (P0H1104-BSD1)

Prepared & Analyzed: 08/11/20

Chloride	385	1.00	mg/kg wet	400	96.1	80-120	12.7	20
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Calibration Blank (P0H1104-CCB1)

Prepared & Analyzed: 08/11/20

Chloride	0.00		mg/kg wet					
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Calibration Blank (P0H1104-CCB2)

Prepared: 08/11/20 Analyzed: 08/12/20

Chloride	0.00		mg/kg wet					
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Calibration Check (P0H1104-CCV1)

Prepared & Analyzed: 08/11/20

Chloride	21.0	0.100	mg/kg wet			0-200		
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Calibration Check (P0H1104-CCV2)

Prepared: 08/11/20 Analyzed: 08/12/20

Chloride	22.0	0.100	mg/kg wet			0-200		
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Calibration Check (P0H1104-CCV3)

Prepared: 08/11/20 Analyzed: 08/12/20

Chloride	19.1	0.100	mg/kg wet			0-200		
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Matrix Spike (P0H1104-MS1)

Source: 0H05011-04

Prepared & Analyzed: 08/11/20

Chloride	2470	11.1	mg/kg dry	1110	1350	100	80-120	
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Matrix Spike (P0H1104-MS2)

Source: 0H05011-14

Prepared: 08/11/20 Analyzed: 08/12/20

Chloride	2530	25.5	mg/kg dry	2550	48.2	97.3	80-120	
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Matrix Spike Dup (P0H1104-MSD1)

Source: 0H05011-04

Prepared & Analyzed: 08/11/20

Chloride	2410	11.1	mg/kg dry	1110	1350	95.1	80-120	2.47	20
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Matrix Spike Dup (P0H1104-MSD2)

Source: 0H05011-14

Prepared: 08/11/20 Analyzed: 08/12/20

Chloride	2470	25.5	mg/kg dry	2550	48.2	95.1	80-120	2.25	20
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Permian Basin Environmental Lab, L.P.

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

Dean
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Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project 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
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Batch P0H1204 - * DEFAULT PREP *******Blank (P0H1204-BLK1)**

Prepared: 08/12/20 Analyzed: 08/13/20

Chloride	ND	1.00	mg/kg wet
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LCS (P0H1204-BS1)

Prepared: 08/12/20 Analyzed: 08/13/20

Chloride	404	1.00	mg/kg wet	400	101	80-120
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LCS Dup (P0H1204-BSD1)

Prepared: 08/12/20 Analyzed: 08/13/20

Chloride	400	1.00	mg/kg wet	400	99.9	80-120	1.18	20
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Calibration Blank (P0H1204-CCB1)

Prepared: 08/12/20 Analyzed: 08/13/20

Chloride	0.00		mg/kg wet
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Calibration Blank (P0H1204-CCB2)

Prepared: 08/12/20 Analyzed: 08/13/20

Chloride	0.00		mg/kg wet
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Calibration Check (P0H1204-CCV1)

Prepared: 08/12/20 Analyzed: 08/13/20

Chloride	19.0		mg/kg	20.0	95.1	0-200
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Calibration Check (P0H1204-CCV2)

Prepared: 08/12/20 Analyzed: 08/13/20

Chloride	18.8		mg/kg	20.0	93.8	0-200
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Calibration Check (P0H1204-CCV3)

Prepared: 08/12/20 Analyzed: 08/13/20

Chloride	19.0		mg/kg	20.0	94.8	0-200
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Matrix Spike (P0H1204-MS1)**Source: 0H07002-01**

Prepared: 08/12/20 Analyzed: 08/13/20

Chloride	554	1.01	mg/kg dry	505	111	87.7	80-120
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Matrix Spike (P0H1204-MS2)**Source: 0H06004-08**

Prepared: 08/12/20 Analyzed: 08/13/20

Chloride	477	1.05	mg/kg dry	526	5.12	89.7	80-120
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Permian Basin Environmental Lab, L.P.

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Dean
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Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project 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
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Batch P0H1204 - * DEFAULT PREP *****

Matrix Spike Dup (P0H1204-MSD1)		Source: 0H07002-01		Prepared: 08/12/20		Analyzed: 08/13/20				
Chloride	567	1.01	mg/kg dry	505	111	90.2	80-120	2.27	20	
Matrix Spike Dup (P0H1204-MSD2)		Source: 0H06004-08		Prepared: 08/12/20		Analyzed: 08/13/20				
Chloride	480	1.05	mg/kg dry	526	5.12	90.3	80-120	0.646	20	

Permian Basin Environmental Lab, L.P.

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Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
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
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Batch P0H0706 - TX 1005**Blank (P0H0706-BLK1)**

Prepared & Analyzed: 08/07/20

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	59.3		"	50.0		119	70-130			

LCS (P0H0706-BS1)

Prepared & Analyzed: 08/07/20

C6-C12	961	25.0	mg/kg wet	1000		96.1	75-125			
>C12-C28	1140	25.0	"	1000		114	75-125			
Surrogate: 1-Chlorooctane	118		"	100		118	70-130			
Surrogate: o-Terphenyl	54.2		"	50.0		108	70-130			

LCS Dup (P0H0706-BSD1)

Prepared & Analyzed: 08/07/20

C6-C12	960	25.0	mg/kg wet	1000		96.0	75-125	0.137	20	
>C12-C28	1140	25.0	"	1000		114	75-125	0.174	20	
Surrogate: 1-Chlorooctane	118		"	100		118	70-130			
Surrogate: o-Terphenyl	54.4		"	50.0		109	70-130			

Calibration Check (P0H0706-CCV1)

Prepared & Analyzed: 08/07/20

C6-C12	499	25.0	mg/kg wet	500		99.8	85-115			
>C12-C28	572	25.0	"	500		114	85-115			
Surrogate: 1-Chlorooctane	105		"	100		105	70-130			
Surrogate: o-Terphenyl	55.6		"	50.0		111	70-130			

Calibration Check (P0H0706-CCV2)

Prepared: 08/07/20 Analyzed: 08/08/20

C6-C12	507	25.0	mg/kg wet	500		101	85-115			
>C12-C28	565	25.0	"	500		113	85-115			
Surrogate: 1-Chlorooctane	107		"	100		107	70-130			
Surrogate: o-Terphenyl	56.0		"	50.0		112	70-130			

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Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
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
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Batch P0H0706 - TX 1005**Calibration Check (P0H0706-CCV3)**

Prepared: 08/07/20 Analyzed: 08/08/20

C6-C12	474	25.0	mg/kg wet	500		94.8	85-115			
>C12-C28	543	25.0	"	500		109	85-115			
Surrogate: 1-Chlorooctane	100		"	100		100	70-130			
Surrogate: o-Terphenyl	50.0		"	50.0		100	70-130			

Matrix Spike (P0H0706-MS1)

Source: 0H06005-11

Prepared: 08/07/20 Analyzed: 08/08/20

C6-C12	1150	28.1	mg/kg dry	1120	21.6	101	75-125			
>C12-C28	1370	28.1	"	1120	10.8	121	75-125			
Surrogate: 1-Chlorooctane	115		"	112		102	70-130			
Surrogate: o-Terphenyl	74.7		"	56.2		133	70-130			S-GC

Matrix Spike Dup (P0H0706-MSD1)

Source: 0H06005-11

Prepared: 08/07/20 Analyzed: 08/08/20

C6-C12	1200	28.1	mg/kg dry	1120	21.6	105	75-125	4.28	20	
>C12-C28	1370	28.1	"	1120	10.8	121	75-125	0.192	20	
Surrogate: 1-Chlorooctane	120		"	112		107	70-130			
Surrogate: o-Terphenyl	78.4		"	56.2		140	70-130			S-GC

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

Notes and Definitions

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

ROI Received on Ice

R3 The RPD exceeded the acceptance limit due to sample matrix effects.

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:

1/19/2021

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.

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



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

LMD CK-15

Phone: 432-886-7235

Plains

Project Manager: Sylvia Reynolds

Company Name: Dean Service

Company Address: 12600 WCE 91

City/State/Zip: Midland, TX 79707

Telephone No: 432-230-0920

Sample Signature: Joe and Robert Belloc

Fax No: 342-230-0920
e-mail: Sylvia Reynolds
Kaylin Longe

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Project Name: Cal # 2 Refuse 08/05/20

Project #: PE-2101

Project Loc: Los Longe, New Mexico

PO #: 23073120 - 6011000 - 32000

Page 18 of 18

LAB # (lab use only)		FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃	None	Other (Specify)	DW=Drinking Water SL=Sludge	GW=Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	TPH: TX 1005 TX 1006	Anions (Cl, SO ₄ , Alkalinity)	BTEX 6021B/5030 or BTEX 6260	TPH 8015 m	Chlorides	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	AH-1 e 2'	2' 2'	08/05/20	859																						
2	AH-1 e 4'	4' 4'		908																						
3	AH-1 e 6'	6' 6'		910																						
4	AH-1 e 8'	8' 8'		932																						
5	AH-2 e 2'	2' 2'		226																						
6	AH-2 e 4'	4' 4'		233																						
7	AH-2 e 6'	6' 6'		300																						
8	AH-2 e 8'	8' 8'		317																						

Special Instructions:

Refill requested by: Kathy Date: 08/05/20 Time: 1050 Received by: Shum Shoo Date: 8/6/20 Time: 10:50

Refill requested by: Shum Shoo Date: 8/6/20 Time: 10:50

Refill requested by: Shum Shoo Date: 8/6/20 Time: 10:50

Laboratory Comments: Sample Containers intact? VOCs Free of Headspace? Custody seals on containers? Quantity seals on containers? Sample Hand Delivered by Sampler/Client Rep.? by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 5.0 °C Factor CEH

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



Revised Analytical Report

Prepared for:

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

Project: Plains- Jal Station Release 8/4/20

Project Number: PP-2101

Location: NM

Lab Order Number: 0H19007



Current Certification

Report Date: 09/03/20

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
NSW-1	0H19007-01	Soil	08/19/20 08:20	08-19-2020 11:55
WSW-1	0H19007-02	Soil	08/19/20 08:50	08-19-2020 11:55
SSW-1	0H19007-03	Soil	08/19/20 09:04	08-19-2020 11:55

On 09/02/2020 PBELAB staff was advised to change the project name for this report to Plains-Jal Station Release 8/4/20.

This revised report reflects this change.

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

NSW-1
0H19007-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00103	mg/kg dry	1	P0H1903	08/19/20 13:43	08/19/20 16:09	EPA 8021B	
Toluene	ND	0.00206	mg/kg dry	1	P0H1903	08/19/20 13:43	08/19/20 16:09	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0H1903	08/19/20 13:43	08/19/20 16:09	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0H1903	08/19/20 13:43	08/19/20 16:09	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0H1903	08/19/20 13:43	08/19/20 16:09	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	85.4 %	75-125			P0H1903	08/19/20 13:43	08/19/20 16:09	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	92.5 %	75-125			P0H1903	08/19/20 13:43	08/19/20 16:09	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	9.28	1.03	mg/kg dry	1	P0H2004	08/20/20 14:15	08/20/20 16:22	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0H2002	08/20/20 08:48	08/20/20 08:51	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	P0H1906	08/19/20 14:01	08/20/20 02:26	TPH 8015M	
>C12-C28	351	25.8	mg/kg dry	1	P0H1906	08/19/20 14:01	08/20/20 02:26	TPH 8015M	
>C28-C35	74.5	25.8	mg/kg dry	1	P0H1906	08/19/20 14:01	08/20/20 02:26	TPH 8015M	
Surrogate: 1-Chlorooctane	128 %	70-130			P0H1906	08/19/20 14:01	08/20/20 02:26	TPH 8015M	
Surrogate: o-Terphenyl	141 %	70-130			P0H1906	08/19/20 14:01	08/20/20 02:26	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	426	25.8	mg/kg dry	1	[CALC]	08/19/20 14:01	08/20/20 02:26	calc	

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

WSW-1
0H19007-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00104	mg/kg dry	1	P0H1903	08/19/20 13:43	08/19/20 17:11	EPA 8021B	
Toluene	ND	0.00208	mg/kg dry	1	P0H1903	08/19/20 13:43	08/19/20 17:11	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0H1903	08/19/20 13:43	08/19/20 17:11	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P0H1903	08/19/20 13:43	08/19/20 17:11	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0H1903	08/19/20 13:43	08/19/20 17:11	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	90.5 %		75-125		P0H1903	08/19/20 13:43	08/19/20 17:11	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	86.5 %		75-125		P0H1903	08/19/20 13:43	08/19/20 17:11	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	3.80	1.04	mg/kg dry	1	P0H2004	08/20/20 14:15	08/20/20 16:38	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0H2002	08/20/20 08:48	08/20/20 08:51	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P0H1906	08/19/20 14:01	08/20/20 02:49	TPH 8015M	
>C12-C28	47.1	26.0	mg/kg dry	1	P0H1906	08/19/20 14:01	08/20/20 02:49	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P0H1906	08/19/20 14:01	08/20/20 02:49	TPH 8015M	
Surrogate: 1-Chlorooctane	124 %		70-130		P0H1906	08/19/20 14:01	08/20/20 02:49	TPH 8015M	
Surrogate: o-Terphenyl	131 %		70-130		P0H1906	08/19/20 14:01	08/20/20 02:49	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	47.1	26.0	mg/kg dry	1	[CALC]	08/19/20 14:01	08/20/20 02:49	calc	

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

SSW-1
0H19007-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00104	mg/kg dry	1	P0H1903	08/19/20 13:43	08/19/20 17:32	EPA 8021B	
Toluene	ND	0.00208	mg/kg dry	1	P0H1903	08/19/20 13:43	08/19/20 17:32	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0H1903	08/19/20 13:43	08/19/20 17:32	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P0H1903	08/19/20 13:43	08/19/20 17:32	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0H1903	08/19/20 13:43	08/19/20 17:32	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		78.3 %		75-125	P0H1903	08/19/20 13:43	08/19/20 17:32	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		96.5 %		75-125	P0H1903	08/19/20 13:43	08/19/20 17:32	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	9.34	1.04	mg/kg dry	1	P0H2004	08/20/20 14:15	08/20/20 16:54	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0H2002	08/20/20 08:48	08/20/20 08:51	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P0H1906	08/19/20 14:01	08/20/20 10:29	TPH 8015M	
>C12-C28	164	26.0	mg/kg dry	1	P0H1906	08/19/20 14:01	08/20/20 10:29	TPH 8015M	
>C28-C35	67.4	26.0	mg/kg dry	1	P0H1906	08/19/20 14:01	08/20/20 10:29	TPH 8015M	
Surrogate: 1-Chlorooctane		120 %		70-130	P0H1906	08/19/20 14:01	08/20/20 10:29	TPH 8015M	
Surrogate: o-Terphenyl		130 %		70-130	P0H1906	08/19/20 14:01	08/20/20 10:29	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	232	26.0	mg/kg dry	1	[CALC]	08/19/20 14:01	08/20/20 10:29	calc	

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
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
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Batch P0H1903 - General Preparation (GC)**Blank (P0H1903-BLK1)**

Prepared & Analyzed: 08/19/20

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00200	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.105		"	0.120		87.3	75-125			
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.6	75-125			

LCS (P0H1903-BS1)

Prepared & Analyzed: 08/19/20

Benzene	0.109	0.00100	mg/kg wet	0.100		109	70-130			
Toluene	0.112	0.00200	"	0.100		112	70-130			
Ethylbenzene	0.108	0.00100	"	0.100		108	70-130			
Xylene (p/m)	0.210	0.00200	"	0.200		105	70-130			
Xylene (o)	0.107	0.00100	"	0.100		107	70-130			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		90.5	75-125			
Surrogate: 4-Bromofluorobenzene	0.118		"	0.120		98.4	75-125			

LCS Dup (P0H1903-BSD1)

Prepared & Analyzed: 08/19/20

Benzene	0.0971	0.00100	mg/kg wet	0.100		97.1	70-130	11.9	20	
Toluene	0.0978	0.00200	"	0.100		97.8	70-130	13.7	20	
Ethylbenzene	0.0972	0.00100	"	0.100		97.2	70-130	10.1	20	
Xylene (p/m)	0.202	0.00200	"	0.200		101	70-130	4.02	20	
Xylene (o)	0.0980	0.00100	"	0.100		98.0	70-130	8.36	20	
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		91.2	75-125			
Surrogate: 4-Bromofluorobenzene	0.104		"	0.120		86.8	75-125			

Calibration Blank (P0H1903-CCB1)

Prepared & Analyzed: 08/19/20

Benzene	0.00		mg/kg wet							
Toluene	0.550		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.530		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.101		"	0.120		84.2	75-125			
Surrogate: 1,4-Difluorobenzene	0.104		"	0.120		86.3	75-125			

Permian Basin Environmental Lab, L.P.

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Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
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
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Batch P0H1903 - General Preparation (GC)**Calibration Blank (P0H1903-CCB2)**

Prepared & Analyzed: 08/19/20

Benzene	0.00		mg/kg wet							
Toluene	1.02		"							
Ethylbenzene	0.560		"							
Xylene (p/m)	1.02		"							
Xylene (o)	0.410		"							
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.3	75-125			
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		90.2	75-125			

Calibration Check (P0H1903-CCV1)

Prepared & Analyzed: 08/19/20

Benzene	0.0979	0.00100	mg/kg wet	0.100		97.9	80-120			
Toluene	0.0900	0.00200	"	0.100		90.0	80-120			
Ethylbenzene	0.0944	0.00100	"	0.100		94.4	80-120			
Xylene (p/m)	0.193	0.00200	"	0.200		96.5	80-120			
Xylene (o)	0.0964	0.00100	"	0.100		96.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.107		"	0.120		88.8	75-125			
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.1	75-125			

Calibration Check (P0H1903-CCV2)

Prepared & Analyzed: 08/19/20

Benzene	0.107	0.00100	mg/kg wet	0.100		107	80-120			
Toluene	0.0933	0.00200	"	0.100		93.3	80-120			
Ethylbenzene	0.0955	0.00100	"	0.100		95.5	80-120			
Xylene (p/m)	0.188	0.00200	"	0.200		94.0	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		91.0	75-125			
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.7	75-125			

Calibration Check (P0H1903-CCV3)

Prepared & Analyzed: 08/19/20

Benzene	0.103	0.00100	mg/kg wet	0.100		103	80-120			
Toluene	0.0975	0.00200	"	0.100		97.5	80-120			
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120			
Xylene (p/m)	0.191	0.00200	"	0.200		95.5	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.2	75-125			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.9	75-125			

Permian Basin Environmental Lab, L.P.

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Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
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
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Batch P0H1903 - General Preparation (GC)

Matrix Spike (P0H1903-MS1)			Source: 0H18010-01			Prepared & Analyzed: 08/19/20				
Benzene	0.0523	0.00110	mg/kg dry	0.110	ND	47.6	80-120			QM-07
Toluene	0.0415	0.00220	"	0.110	ND	37.7	80-120			QM-07
Ethylbenzene	0.0397	0.00110	"	0.110	0.00133	35.0	80-120			QM-07
Xylene (p/m)	0.0617	0.00220	"	0.220	0.00776	24.6	80-120			QM-07
Xylene (o)	0.0221	0.00110	"	0.110	0.000703	19.5	80-120			QM-07
Surrogate: 1,4-Difluorobenzene	0.143		"	0.132		108	75-125			
Surrogate: 4-Bromofluorobenzene	0.122		"	0.132		92.5	75-125			

Matrix Spike Dup (P0H1903-MSD1)			Source: 0H18010-01			Prepared & Analyzed: 08/19/20				
Benzene	0.0548	0.00110	mg/kg dry	0.110	ND	49.9	80-120	4.63	20	QM-07
Toluene	0.0384	0.00220	"	0.110	ND	35.0	80-120	7.62	20	QM-07
Ethylbenzene	0.0363	0.00110	"	0.110	0.00133	31.8	80-120	9.53	20	QM-07
Xylene (p/m)	0.0546	0.00220	"	0.220	0.00776	21.3	80-120	14.1	20	QM-07
Xylene (o)	0.0206	0.00110	"	0.110	0.000703	18.1	80-120	7.02	20	QM-07
Surrogate: 4-Bromofluorobenzene	0.127		"	0.132		96.4	75-125			
Surrogate: 1,4-Difluorobenzene	0.137		"	0.132		104	75-125			

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project 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
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Batch P0H2002 - * DEFAULT PREP *******Blank (P0H2002-BLK1)**

Prepared & Analyzed: 08/20/20

% Moisture	ND	0.1	%
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Blank (P0H2002-BLK2)

Prepared & Analyzed: 08/20/20

% Moisture	ND	0.1	%
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Duplicate (P0H2002-DUP1)**Source: 0H18011-07**

Prepared & Analyzed: 08/20/20

% Moisture	13.0	0.1	%	13.0	0.00	20
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Duplicate (P0H2002-DUP2)**Source: 0H19002-01**

Prepared & Analyzed: 08/20/20

% Moisture	1.0	0.1	%	1.0	0.00	20
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Duplicate (P0H2002-DUP3)**Source: 0H19007-02**

Prepared & Analyzed: 08/20/20

% Moisture	4.0	0.1	%	4.0	0.00	20
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Duplicate (P0H2002-DUP4)**Source: 0H19008-09**

Prepared & Analyzed: 08/20/20

% Moisture	6.0	0.1	%	7.0	15.4	20
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Batch P0H2004 - * DEFAULT PREP *******Blank (P0H2004-BLK1)**

Prepared & Analyzed: 08/20/20

Chloride	ND	1.00	mg/kg wet
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LCS (P0H2004-BS1)

Prepared & Analyzed: 08/20/20

Chloride	413	1.00	mg/kg wet	400	103	80-120
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LCS Dup (P0H2004-BSD1)

Prepared & Analyzed: 08/20/20

Chloride	450	1.00	mg/kg wet	400	113	80-120	8.63	20
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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.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project 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
Batch P0H2004 - *** DEFAULT PREP ***										
Calibration Blank (P0H2004-CCB1)				Prepared & Analyzed: 08/20/20						
Chloride	0.00		mg/kg wet							
Calibration Blank (P0H2004-CCB2)				Prepared: 08/20/20 Analyzed: 08/21/20						
Chloride	0.00		mg/kg wet							
Calibration Check (P0H2004-CCV1)				Prepared & Analyzed: 08/20/20						
Chloride	20.8		mg/kg	20.0		104	0-200			
Calibration Check (P0H2004-CCV2)				Prepared & Analyzed: 08/20/20						
Chloride	21.9		mg/kg	20.0		109	0-200			
Calibration Check (P0H2004-CCV3)				Prepared: 08/20/20 Analyzed: 08/21/20						
Chloride	21.0		mg/kg	20.0		105	0-200			
Matrix Spike (P0H2004-MS1)				Source: 0H20003-01		Prepared & Analyzed: 08/20/20				
Chloride	23100	28.4	mg/kg dry	2840	20200	102	80-120			
Matrix Spike (P0H2004-MS2)				Source: 0H20003-11		Prepared: 08/20/20 Analyzed: 08/21/20				
Chloride	10100	27.5	mg/kg dry	2750	7850	81.3	80-120			
Matrix Spike Dup (P0H2004-MSD1)				Source: 0H20003-01		Prepared & Analyzed: 08/20/20				
Chloride	22900	28.4	mg/kg dry	2840	20200	96.5	80-120	0.718	20	
Matrix Spike Dup (P0H2004-MSD2)				Source: 0H20003-11		Prepared: 08/20/20 Analyzed: 08/21/20				
Chloride	10100	27.5	mg/kg dry	2750	7850	80.4	80-120	0.259	20	

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
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
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Batch P0H1906 - TX 1005**Blank (P0H1906-BLK1)**

Prepared: 08/19/20 Analyzed: 08/20/20

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	108		"	100		108	70-130			
Surrogate: o-Terphenyl	55.7		"	50.0		111	70-130			

LCS (P0H1906-BS1)

Prepared & Analyzed: 08/19/20

C6-C12	944	25.0	mg/kg wet	1000		94.4	75-125			
>C12-C28	941	25.0	"	1000		94.1	75-125			
Surrogate: 1-Chlorooctane	122		"	100		122	70-130			
Surrogate: o-Terphenyl	55.9		"	50.0		112	70-130			

LCS Dup (P0H1906-BSD1)

Prepared: 08/19/20 Analyzed: 08/20/20

C6-C12	957	25.0	mg/kg wet	1000		95.7	75-125	1.44	20	
>C12-C28	961	25.0	"	1000		96.1	75-125	2.07	20	
Surrogate: 1-Chlorooctane	124		"	100		124	70-130			
Surrogate: o-Terphenyl	57.2		"	50.0		114	70-130			

Calibration Check (P0H1906-CCV1)

Prepared & Analyzed: 08/19/20

C6-C12	475	25.0	mg/kg wet	500		95.1	85-115			
>C12-C28	452	25.0	"	500		90.4	85-115			
Surrogate: 1-Chlorooctane	112		"	100		112	70-130			
Surrogate: o-Terphenyl	54.7		"	50.0		109	70-130			

Calibration Check (P0H1906-CCV2)

Prepared: 08/19/20 Analyzed: 08/20/20

C6-C12	470	25.0	mg/kg wet	500		94.0	85-115			
>C12-C28	437	25.0	"	500		87.3	85-115			
Surrogate: 1-Chlorooctane	110		"	100		110	70-130			
Surrogate: o-Terphenyl	53.4		"	50.0		107	70-130			

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
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
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Batch P0H1906 - TX 1005**Calibration Check (P0H1906-CCV3)**

Prepared: 08/19/20 Analyzed: 08/20/20

C6-C12	463	25.0	mg/kg wet	500		92.7	85-115			
>C12-C28	435	25.0	"	500		87.0	85-115			
Surrogate: 1-Chlorooctane	107		"	100		107	70-130			
Surrogate: o-Terphenyl	53.8		"	50.0		108	70-130			

Matrix Spike (P0H1906-MS1)

Source: 0H19006-04

Prepared: 08/19/20 Analyzed: 08/20/20

C6-C12	1100	28.7	mg/kg dry	1150	16.8	94.1	75-125			
>C12-C28	1090	28.7	"	1150	113	85.1	75-125			
Surrogate: 1-Chlorooctane	133		"	115		115	70-130			
Surrogate: o-Terphenyl	66.1		"	57.5		115	70-130			

Matrix Spike Dup (P0H1906-MSD1)

Source: 0H19006-04

Prepared: 08/19/20 Analyzed: 08/20/20

C6-C12	1080	28.7	mg/kg dry	1150	16.8	92.1	75-125	2.15	20	
>C12-C28	1070	28.7	"	1150	113	83.5	75-125	1.85	20	
Surrogate: 1-Chlorooctane	130		"	115		113	70-130			
Surrogate: o-Terphenyl	63.5		"	57.5		110	70-130			

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

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

Report Approved By:



Date:

9/3/2020

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.

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

Dean 12600 W County Rd 91 Midland TX, 79707	Project: Plains- Jal Station Release 8/4/20 Project Number: PP-2101 Project Manager: Sylwia Reynolds	Fax:
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Permian Basin Environmental Lab, L.P.

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



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

Phone: 432-8888-7235

LMC 03

Sylvia Reynolds

Drain

27600 47 00 Rd 91, Chualar, CA 95007

Telephone No:

432.999. 8675

Fax No:

Sampler Signature:

Ridona

e-mail:

Sylvio, amber,
pep, Diabern

ORDERS: 0419007

Report Format:

Standard

TRIP

NPDES

Project Location:

100

Project Name:

Project #:

For Station Release 1.0
PP-210A

Page 15 of 15

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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- Jal Station Release 8/4/20

Project Number: PP-2101

Location: Jal, NM

Lab Order Number: 0H26001



Current Certification

Report Date: 09/03/20

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
ESW-1 @ 2	0H26001-01	Soil	08/25/20 11:25	08-25-2020 16:50
NSW-2 @ 2	0H26001-02	Soil	08/25/20 10:50	08-25-2020 16:50
NSW-3 @ 2	0H26001-03	Soil	08/25/20 11:08	08-25-2020 16:50
SSW-2 @ 2	0H26001-04	Soil	08/25/20 12:00	08-25-2020 16:50
SSW-3 @ 2	0H26001-05	Soil	08/25/20 11:40	08-25-2020 16:50
WSW-2 @ 2	0H26001-06	Soil	08/25/20 12:20	08-25-2020 16:50
Stockpile Composite	0H26001-07	Soil	08/25/20 12:30	08-25-2020 16:50

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

ESW-1 @ 2
0H26001-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	0.0513	0.00101	mg/kg dry	1	P0H2810	08/28/20 16:04	08/29/20 02:43	EPA 8021B	
Toluene	0.0575	0.00101	mg/kg dry	1	P0H2810	08/28/20 16:04	08/29/20 02:43	EPA 8021B	
Ethylbenzene	0.0718	0.00101	mg/kg dry	1	P0H2810	08/28/20 16:04	08/29/20 02:43	EPA 8021B	
Xylene (p/m)	0.248	0.00202	mg/kg dry	1	P0H2810	08/28/20 16:04	08/29/20 02:43	EPA 8021B	
Xylene (o)	0.0318	0.00101	mg/kg dry	1	P0H2810	08/28/20 16:04	08/29/20 02:43	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		56.1 %		75-125	P0H2810	08/28/20 16:04	08/29/20 02:43	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		81.0 %		75-125	P0H2810	08/28/20 16:04	08/29/20 02:43	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	5.02	1.01	mg/kg dry	1	P0H3003	08/30/20 18:16	09/01/20 18:20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0H2701	08/27/20 09:18	08/27/20 09:24	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	253	mg/kg dry	10	P0H2606	08/26/20 13:00	08/26/20 18:27	TPH 8015M	
>C12-C28	6540	253	mg/kg dry	10	P0H2606	08/26/20 13:00	08/26/20 18:27	TPH 8015M	
>C28-C35	1410	253	mg/kg dry	10	P0H2606	08/26/20 13:00	08/26/20 18:27	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		89.1 %		70-130	P0H2606	08/26/20 13:00	08/26/20 18:27	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		101 %		70-130	P0H2606	08/26/20 13:00	08/26/20 18:27	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	7950	253	mg/kg dry	10	[CALC]	08/26/20 13:00	08/26/20 18:27	calc	

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

NSW-2 @ 2
0H26001-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00108	mg/kg dry	1	P0H2810	08/28/20 16:04	08/29/20 03:03	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P0H2810	08/28/20 16:04	08/29/20 03:03	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P0H2810	08/28/20 16:04	08/29/20 03:03	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P0H2810	08/28/20 16:04	08/29/20 03:03	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P0H2810	08/28/20 16:04	08/29/20 03:03	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		86.4 %	75-125		P0H2810	08/28/20 16:04	08/29/20 03:03	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		90.4 %	75-125		P0H2810	08/28/20 16:04	08/29/20 03:03	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	5.58	1.08	mg/kg dry	1	P0H3003	08/30/20 18:16	09/01/20 18:33	EPA 300.0	
% Moisture	7.0	0.1	%	1	P0H2701	08/27/20 09:18	08/27/20 09:24	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.9	mg/kg dry	1	P0H2606	08/26/20 13:00	08/26/20 18:49	TPH 8015M	
>C12-C28	138	26.9	mg/kg dry	1	P0H2606	08/26/20 13:00	08/26/20 18:49	TPH 8015M	
>C28-C35	37.7	26.9	mg/kg dry	1	P0H2606	08/26/20 13:00	08/26/20 18:49	TPH 8015M	
Surrogate: 1-Chlorooctane		91.0 %	70-130		P0H2606	08/26/20 13:00	08/26/20 18:49	TPH 8015M	
Surrogate: o-Terphenyl		106 %	70-130		P0H2606	08/26/20 13:00	08/26/20 18:49	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	176	26.9	mg/kg dry	1	[CALC]	08/26/20 13:00	08/26/20 18:49	calc	

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

NSW-3 @ 2
0H26001-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	P0H2810	08/28/20 16:04	08/29/20 03:24	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0H2810	08/28/20 16:04	08/29/20 03:24	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P0H2810	08/28/20 16:04	08/29/20 03:24	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P0H2810	08/28/20 16:04	08/29/20 03:24	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P0H2810	08/28/20 16:04	08/29/20 03:24	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	87.1 %		75-125		P0H2810	08/28/20 16:04	08/29/20 03:24	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	84.9 %		75-125		P0H2810	08/28/20 16:04	08/29/20 03:24	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	13.6	1.05	mg/kg dry	1	P0H3003	08/30/20 18:16	09/01/20 18:47	EPA 300.0	
% Moisture	5.0	0.1	%	1	P0H2701	08/27/20 09:18	08/27/20 09:24	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P0H2606	08/26/20 13:00	08/26/20 19:12	TPH 8015M	
>C12-C28	195	26.3	mg/kg dry	1	P0H2606	08/26/20 13:00	08/26/20 19:12	TPH 8015M	
>C28-C35	49.4	26.3	mg/kg dry	1	P0H2606	08/26/20 13:00	08/26/20 19:12	TPH 8015M	
Surrogate: 1-Chlorooctane	94.9 %		70-130		P0H2606	08/26/20 13:00	08/26/20 19:12	TPH 8015M	
Surrogate: o-Terphenyl	110 %		70-130		P0H2606	08/26/20 13:00	08/26/20 19:12	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	244	26.3	mg/kg dry	1	[CALC]	08/26/20 13:00	08/26/20 19:12	calc	

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

SSW-2 @ 2
0H26001-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00109	mg/kg dry	1	P0H2810	08/28/20 16:04	08/29/20 03:44	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P0H2810	08/28/20 16:04	08/29/20 03:44	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P0H2810	08/28/20 16:04	08/29/20 03:44	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P0H2810	08/28/20 16:04	08/29/20 03:44	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P0H2810	08/28/20 16:04	08/29/20 03:44	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		91.7 %	75-125		P0H2810	08/28/20 16:04	08/29/20 03:44	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		80.9 %	75-125		P0H2810	08/28/20 16:04	08/29/20 03:44	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	11.9	1.09	mg/kg dry	1	P0H3003	08/30/20 18:16	09/01/20 19:01	EPA 300.0	
% Moisture	8.0	0.1	%	1	P0H2701	08/27/20 09:18	08/27/20 09:24	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	32.3	27.2	mg/kg dry	1	P0H2606	08/26/20 13:00	08/27/20 14:57	TPH 8015M	
>C12-C28	2460	27.2	mg/kg dry	1	P0H2606	08/26/20 13:00	08/27/20 14:57	TPH 8015M	
>C28-C35	737	27.2	mg/kg dry	1	P0H2606	08/26/20 13:00	08/27/20 14:57	TPH 8015M	
Surrogate: 1-Chlorooctane		93.2 %	70-130		P0H2606	08/26/20 13:00	08/27/20 14:57	TPH 8015M	
Surrogate: o-Terphenyl		115 %	70-130		P0H2606	08/26/20 13:00	08/27/20 14:57	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	3230	27.2	mg/kg dry	1	[CALC]	08/26/20 13:00	08/27/20 14:57	calc	

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

SSW-3 @ 2
0H26001-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	0.0186	0.00106	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 20:34	EPA 8021B	
Toluene	0.107	0.00106	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 20:34	EPA 8021B	
Ethylbenzene	0.215	0.00106	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 20:34	EPA 8021B	
Xylene (p/m)	0.555	0.00213	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 20:34	EPA 8021B	
Xylene (o)	0.171	0.00106	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 20:34	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		99.4 %		75-125	P0I0106	09/01/20 12:23	09/01/20 20:34	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		101 %		75-125	P0I0106	09/01/20 12:23	09/01/20 20:34	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	5.13	1.06	mg/kg dry	1	P0H3003	08/30/20 18:16	09/01/20 19:15	EPA 300.0	
% Moisture	6.0	0.1	%	1	P0H2701	08/27/20 09:18	08/27/20 09:24	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	742	133	mg/kg dry	5	P0H2606	08/26/20 13:00	08/26/20 19:57	TPH 8015M	
>C12-C28	5480	133	mg/kg dry	5	P0H2606	08/26/20 13:00	08/26/20 19:57	TPH 8015M	
>C28-C35	768	133	mg/kg dry	5	P0H2606	08/26/20 13:00	08/26/20 19:57	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		108 %		70-130	P0H2606	08/26/20 13:00	08/26/20 19:57	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		106 %		70-130	P0H2606	08/26/20 13:00	08/26/20 19:57	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	6990	133	mg/kg dry	5	[CALC]	08/26/20 13:00	08/26/20 19:57	calc	

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

WSW-2 @ 2
0H26001-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	0.0356	0.00106	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 20:55	EPA 8021B	
Toluene	0.0735	0.00106	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 20:55	EPA 8021B	
Ethylbenzene	0.0577	0.00106	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 20:55	EPA 8021B	
Xylene (p/m)	0.209	0.00213	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 20:55	EPA 8021B	
Xylene (o)	0.0465	0.00106	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 20:55	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		71.6 %		75-125	P0I0106	09/01/20 12:23	09/01/20 20:55	EPA 8021B	S-GC
<i>Surrogate: 1,4-Difluorobenzene</i>		89.8 %		75-125	P0I0106	09/01/20 12:23	09/01/20 20:55	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	8.10	1.06	mg/kg dry	1	P0H3003	08/30/20 18:16	09/01/20 19:29	EPA 300.0	
% Moisture	6.0	0.1	%	1	P0H2701	08/27/20 09:18	08/27/20 09:24	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	179	133	mg/kg dry	5	P0H2606	08/26/20 13:00	08/26/20 20:20	TPH 8015M	
>C12-C28	3030	133	mg/kg dry	5	P0H2606	08/26/20 13:00	08/26/20 20:20	TPH 8015M	
>C28-C35	691	133	mg/kg dry	5	P0H2606	08/26/20 13:00	08/26/20 20:20	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		97.3 %		70-130	P0H2606	08/26/20 13:00	08/26/20 20:20	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		107 %		70-130	P0H2606	08/26/20 13:00	08/26/20 20:20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	3900	133	mg/kg dry	5	[CALC]	08/26/20 13:00	08/26/20 20:20	calc	

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

Stockpile Composite**0H26001-07 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.**BTEX by 8021B**

Benzene	0.169	0.00101	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 21:15	EPA 8021B	
Toluene	0.393	0.00101	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 21:15	EPA 8021B	
Ethylbenzene	0.225	0.00101	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 21:15	EPA 8021B	
Xylene (p/m)	0.772	0.00202	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 21:15	EPA 8021B	
Xylene (o)	0.269	0.00101	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 21:15	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		90.7 %		75-125	P0I0106	09/01/20 12:23	09/01/20 21:15	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		71.7 %		75-125	P0I0106	09/01/20 12:23	09/01/20 21:15	EPA 8021B	S-GC

General Chemistry Parameters by EPA / Standard Methods

Chloride	7.52	1.01	mg/kg dry	1	P0I0103	09/01/20 09:16	09/01/20 15:49	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0H2701	08/27/20 09:18	08/27/20 09:24	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	1270	126	mg/kg dry	5	P0H2606	08/26/20 13:00	08/26/20 21:27	TPH 8015M	
>C12-C28	12100	126	mg/kg dry	5	P0H2606	08/26/20 13:00	08/26/20 21:27	TPH 8015M	
>C28-C35	1490	126	mg/kg dry	5	P0H2606	08/26/20 13:00	08/26/20 21:27	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		89.8 %		70-130	P0H2606	08/26/20 13:00	08/26/20 21:27	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		116 %		70-130	P0H2606	08/26/20 13:00	08/26/20 21:27	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	14800	126	mg/kg dry	5	[CALC]	08/26/20 13:00	08/26/20 21:27	calc	

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
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
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Batch P0H2810 - General Preparation (GC)**Blank (P0H2810-BLK1)**

Prepared & Analyzed: 08/28/20

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	0.102		"	0.120		85.2	75-125			
Surrogate: 4-Bromofluorobenzene	0.102		"	0.120		84.8	75-125			

LCS (P0H2810-BS1)

Prepared & Analyzed: 08/28/20

Benzene	0.0960	0.00100	mg/kg wet	0.100		96.0	70-130			
Toluene	0.0865	0.00100	"	0.100		86.5	70-130			
Ethylbenzene	0.111	0.00100	"	0.100		111	70-130			
Xylene (p/m)	0.186	0.00200	"	0.200		93.1	70-130			
Xylene (o)	0.0920	0.00100	"	0.100		92.0	70-130			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.4	75-125			
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.6	75-125			

LCS Dup (P0H2810-BSD1)

Prepared & Analyzed: 08/28/20

Benzene	0.112	0.00100	mg/kg wet	0.100		112	70-130	15.5	20	
Toluene	0.0989	0.00100	"	0.100		98.9	70-130	13.4	20	
Ethylbenzene	0.107	0.00100	"	0.100		107	70-130	3.93	20	
Xylene (p/m)	0.213	0.00200	"	0.200		106	70-130	13.3	20	
Xylene (o)	0.107	0.00100	"	0.100		107	70-130	15.1	20	
Surrogate: 1,4-Difluorobenzene	0.107		"	0.120		89.2	75-125			
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		89.7	75-125			

Calibration Blank (P0H2810-CCB1)

Prepared & Analyzed: 08/28/20

Benzene	0.00		mg/kg wet							
Toluene	0.550		"							
Ethylbenzene	0.410		"							
Xylene (p/m)	0.770		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.105		"	0.120		87.3	75-125			
Surrogate: 4-Bromofluorobenzene	0.107		"	0.120		89.2	75-125			

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
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
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Batch P0H2810 - General Preparation (GC)**Calibration Blank (P0H2810-CCB2)**

Prepared: 08/28/20 Analyzed: 08/29/20

Benzene	0.00		mg/kg wet							
Toluene	0.390		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.500		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.103		"	0.120		86.0	75-125			
Surrogate: 4-Bromofluorobenzene	0.103		"	0.120		85.7	75-125			

Calibration Check (P0H2810-CCV1)

Prepared & Analyzed: 08/28/20

Benzene	0.102	0.00100	mg/kg wet	0.100		102	80-120			
Toluene	0.0952	0.00100	"	0.100		95.2	80-120			
Ethylbenzene	0.0964	0.00100	"	0.100		96.4	80-120			
Xylene (p/m)	0.187	0.00200	"	0.200		93.7	80-120			
Xylene (o)	0.0986	0.00100	"	0.100		98.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		90.9	75-125			
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		90.4	75-125			

Calibration Check (P0H2810-CCV2)

Prepared: 08/28/20 Analyzed: 08/29/20

Benzene	0.0875	0.00100	mg/kg wet	0.100		87.5	80-120			
Toluene	0.0826	0.00100	"	0.100		82.6	80-120			
Ethylbenzene	0.0831	0.00100	"	0.100		83.1	80-120			
Xylene (p/m)	0.166	0.00200	"	0.200		83.0	80-120			
Xylene (o)	0.0840	0.00100	"	0.100		84.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		89.9	75-125			
Surrogate: 4-Bromofluorobenzene	0.0992		"	0.120		82.7	75-125			

Calibration Check (P0H2810-CCV3)

Prepared: 08/28/20 Analyzed: 08/29/20

Benzene	0.0997	0.00100	mg/kg wet	0.100		99.7	80-120			
Toluene	0.0897	0.00100	"	0.100		89.7	80-120			
Ethylbenzene	0.0904	0.00100	"	0.100		90.4	80-120			
Xylene (p/m)	0.178	0.00200	"	0.200		88.9	80-120			
Xylene (o)	0.0939	0.00100	"	0.100		93.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.0993		"	0.120		82.8	75-125			
Surrogate: 1,4-Difluorobenzene	0.107		"	0.120		89.1	75-125			

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
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
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Batch P0H2810 - General Preparation (GC)

Matrix Spike (P0H2810-MS1)		Source: 0H28009-05		Prepared: 08/28/20		Analyzed: 08/29/20				
Benzene	0.0565	0.00104	mg/kg dry	0.104	ND	54.2	80-120			QM-07
Toluene	0.0383	0.00104	"	0.104	ND	36.8	80-120			QM-07
Ethylbenzene	0.0362	0.00104	"	0.104	ND	34.8	80-120			QM-07
Xylene (p/m)	0.0598	0.00208	"	0.208	ND	28.7	80-120			QM-07
Xylene (o)	0.0263	0.00104	"	0.104	ND	25.3	80-120			QM-07
Surrogate: 1,4-Difluorobenzene	0.115		"	0.125		92.3	75-125			
Surrogate: 4-Bromofluorobenzene	0.0980		"	0.125		78.4	75-125			

Matrix Spike Dup (P0H2810-MSD1)		Source: 0H28009-05		Prepared: 08/28/20		Analyzed: 08/29/20				
Benzene	0.0641	0.00104	mg/kg dry	0.104	ND	61.5	80-120	12.7	20	QM-07
Toluene	0.0443	0.00104	"	0.104	ND	42.5	80-120	14.5	20	QM-07
Ethylbenzene	0.0449	0.00104	"	0.104	ND	43.1	80-120	21.3	20	QM-07
Xylene (p/m)	0.0745	0.00208	"	0.208	ND	35.8	80-120	21.8	20	QM-07
Xylene (o)	0.0334	0.00104	"	0.104	ND	32.1	80-120	23.7	20	QM-07
Surrogate: 4-Bromofluorobenzene	0.109		"	0.125		86.9	75-125			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.125		92.0	75-125			

Batch P0I0106 - General Preparation (GC)

Blank (P0I0106-BLK1)				Prepared & Analyzed: 09/01/20						
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: 4-Bromofluorobenzene	0.103		"	0.120		86.0	75-125			
Surrogate: 1,4-Difluorobenzene	0.101		"	0.120		84.2	75-125			

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
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
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Batch P0I0106 - General Preparation (GC)**LCS (P0I0106-BS1)**

Prepared & Analyzed: 09/01/20

Benzene	0.101	0.00100	mg/kg wet	0.100		101	70-130			
Toluene	0.0976	0.00100	"	0.100		97.6	70-130			
Ethylbenzene	0.105	0.00100	"	0.100		105	70-130			
Xylene (p/m)	0.199	0.00200	"	0.200		99.3	70-130			
Xylene (o)	0.0991	0.00100	"	0.100		99.1	70-130			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.2	75-125			
Surrogate: 4-Bromofluorobenzene	0.102		"	0.120		85.3	75-125			

LCS Dup (P0I0106-BSD1)

Prepared & Analyzed: 09/01/20

Benzene	0.0934	0.00100	mg/kg wet	0.100		93.4	70-130	7.90	20	
Toluene	0.0875	0.00100	"	0.100		87.5	70-130	10.9	20	
Ethylbenzene	0.0937	0.00100	"	0.100		93.7	70-130	11.6	20	
Xylene (p/m)	0.179	0.00200	"	0.200		89.4	70-130	10.5	20	
Xylene (o)	0.0878	0.00100	"	0.100		87.8	70-130	12.1	20	
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.3	75-125			
Surrogate: 4-Bromofluorobenzene	0.0997		"	0.120		83.1	75-125			

Calibration Blank (P0I0106-CCB1)

Prepared & Analyzed: 09/01/20

Benzene	0.00		mg/kg wet							
Toluene	0.700		"							
Ethylbenzene	0.410		"							
Xylene (p/m)	0.770		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.104		"	0.120		86.8	75-125			
Surrogate: 1,4-Difluorobenzene	0.101		"	0.120		84.3	75-125			

Calibration Blank (P0I0106-CCB2)

Prepared & Analyzed: 09/01/20

Benzene	0.00		mg/kg wet							
Toluene	0.590		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.480		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.102		"	0.120		85.1	75-125			
Surrogate: 1,4-Difluorobenzene	0.103		"	0.120		85.8	75-125			

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
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
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Batch P0I0106 - General Preparation (GC)**Calibration Check (P0I0106-CCV1)**

Prepared & Analyzed: 09/01/20

Benzene	0.0915	0.00100	mg/kg wet	0.100		91.5	80-120			
Toluene	0.0827	0.00100	"	0.100		82.7	80-120			
Ethylbenzene	0.0869	0.00100	"	0.100		86.9	80-120			
Xylene (p/m)	0.178	0.00200	"	0.200		88.8	80-120			
Xylene (o)	0.0913	0.00100	"	0.100		91.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.103		"	0.120		85.9	75-125			
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		89.9	75-125			

Calibration Check (P0I0106-CCV2)

Prepared & Analyzed: 09/01/20

Benzene	0.101	0.00100	mg/kg wet	0.100		101	80-120			
Toluene	0.0946	0.00100	"	0.100		94.6	80-120			
Ethylbenzene	0.0970	0.00100	"	0.100		97.0	80-120			
Xylene (p/m)	0.190	0.00200	"	0.200		94.9	80-120			
Xylene (o)	0.0986	0.00100	"	0.100		98.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		89.7	75-125			
Surrogate: 4-Bromofluorobenzene	0.104		"	0.120		86.7	75-125			

Calibration Check (P0I0106-CCV3)

Prepared: 09/01/20 Analyzed: 09/02/20

Benzene	0.0973	0.00100	mg/kg wet	0.100		97.3	80-120			
Toluene	0.0976	0.00100	"	0.100		97.6	80-120			
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120			
Xylene (p/m)	0.196	0.00200	"	0.200		97.8	80-120			
Xylene (o)	0.105	0.00100	"	0.100		105	80-120			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		90.7	75-125			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.2	75-125			

Matrix Spike (P0I0106-MS1)

Source: 0101007-01

Prepared & Analyzed: 09/01/20

Benzene	0.0681	0.00110	mg/kg dry	0.110	ND	62.0	80-120			QM-07
Toluene	0.0473	0.00110	"	0.110	0.00110	42.0	80-120			QM-07
Ethylbenzene	0.0508	0.00110	"	0.110	0.00590	40.9	80-120			QM-07
Xylene (p/m)	0.105	0.00220	"	0.220	0.0345	32.3	80-120			QM-07
Xylene (o)	0.0502	0.00110	"	0.110	0.0119	34.8	80-120			QM-07
Surrogate: 1,4-Difluorobenzene	0.121		"	0.132		91.7	75-125			
Surrogate: 4-Bromofluorobenzene	0.112		"	0.132		85.2	75-125			

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
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
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Batch P0I0106 - General Preparation (GC)

Matrix Spike Dup (P0I0106-MSD1)		Source: 0I01007-01		Prepared: 09/01/20		Analyzed: 09/02/20				
Benzene	0.0710	0.00110	mg/kg dry	0.110	ND	64.7	80-120	4.23	20	QM-07
Toluene	0.0453	0.00110	"	0.110	0.00110	40.2	80-120	4.28	20	QM-07
Ethylbenzene	0.0501	0.00110	"	0.110	0.00590	40.2	80-120	1.58	20	QM-07
Xylene (p/m)	0.102	0.00220	"	0.220	0.0345	30.7	80-120	5.07	20	QM-07
Xylene (o)	0.0480	0.00110	"	0.110	0.0119	32.8	80-120	5.86	20	QM-07
Surrogate: 1,4-Difluorobenzene	0.124		"	0.132		94.2	75-125			
Surrogate: 4-Bromofluorobenzene	0.114		"	0.132		86.1	75-125			

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project 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
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Batch P0H2701 - * DEFAULT PREP *****

Blank (P0H2701-BLK1)	Prepared & Analyzed: 08/27/20									
% Moisture	ND	0.1	%							
Blank (P0H2701-BLK2)	Prepared & Analyzed: 08/27/20									
% Moisture	ND	0.1	%							
Blank (P0H2701-BLK3)	Prepared & Analyzed: 08/27/20									
% Moisture	ND	0.1	%							
Blank (P0H2701-BLK4)	Prepared & Analyzed: 08/27/20									
% Moisture	ND	0.1	%							
Blank (P0H2701-BLK5)	Prepared & Analyzed: 08/27/20									
% Moisture	ND	0.1	%							
Duplicate (P0H2701-DUP1)	Source: 0H26003-01		Prepared & Analyzed: 08/27/20							
% Moisture	8.0	0.1	%		8.0			0.00	20	
Duplicate (P0H2701-DUP2)	Source: 0H26005-09		Prepared & Analyzed: 08/27/20							
% Moisture	3.0	0.1	%		3.0			0.00	20	
Duplicate (P0H2701-DUP3)	Source: 0H26009-07		Prepared & Analyzed: 08/27/20							
% Moisture	ND	0.1	%		ND				20	
Duplicate (P0H2701-DUP4)	Source: 0H26018-02		Prepared & Analyzed: 08/27/20							
% Moisture	12.0	0.1	%		12.0			0.00	20	
Duplicate (P0H2701-DUP5)	Source: 0H26022-01		Prepared & Analyzed: 08/27/20							
% Moisture	4.0	0.1	%		5.0			22.2	20	

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Project Number: PP-2101
Project 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
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Batch P0H2701 - * DEFAULT PREP *****

Duplicate (P0H2701-DUP6)	Source: 0H26023-05		Prepared & Analyzed: 08/27/20							
% Moisture	ND	0.1	%		ND				20	
Duplicate (P0H2701-DUP7)	Source: 0H26024-01		Prepared & Analyzed: 08/27/20							
% Moisture	10.0	0.1	%		10.0			0.00	20	
Duplicate (P0H2701-DUP8)	Source: 0H26024-11		Prepared & Analyzed: 08/27/20							
% Moisture	13.0	0.1	%		12.0			8.00	20	
Duplicate (P0H2701-DUP9)	Source: 0H26026-02		Prepared & Analyzed: 08/27/20							
% Moisture	12.0	0.1	%		12.0			0.00	20	
Duplicate (P0H2701-DUPA)	Source: 0H26026-12		Prepared & Analyzed: 08/27/20							
% Moisture	13.0	0.1	%		13.0			0.00	20	

Batch P0H3003 - * DEFAULT PREP *****

Blank (P0H3003-BLK1)	Prepared: 08/30/20 Analyzed: 09/01/20									
Chloride	ND	1.00	mg/kg wet							
LCS (P0H3003-BS1)	Prepared: 08/30/20 Analyzed: 09/01/20									
Chloride	407	1.00	mg/kg wet	400	102	80-120				
LCS Dup (P0H3003-BSD1)	Prepared: 08/30/20 Analyzed: 09/01/20									
Chloride	407	1.00	mg/kg wet	400	102	80-120	0.160	20		
Calibration Blank (P0H3003-CCB1)	Prepared: 08/30/20 Analyzed: 09/01/20									
Chloride	0.00		mg/kg wet							

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Project Number: PP-2101
Project 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
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Batch P0H3003 - * DEFAULT PREP *******Calibration Blank (P0H3003-CCB2)**

Prepared: 08/30/20 Analyzed: 09/01/20

Chloride	0.00		mg/kg wet							
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Calibration Check (P0H3003-CCV1)

Prepared: 08/30/20 Analyzed: 09/01/20

Chloride	18.9	0.100	mg/kg wet				0-200			
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Calibration Check (P0H3003-CCV2)

Prepared: 08/30/20 Analyzed: 09/01/20

Chloride	19.7	0.100	mg/kg wet				0-200			
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Calibration Check (P0H3003-CCV3)

Prepared: 08/30/20 Analyzed: 09/02/20

Chloride	19.3	0.100	mg/kg wet				0-200			
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Matrix Spike (P0H3003-MS1)**Source: 0H24009-14**

Prepared: 08/30/20 Analyzed: 09/01/20

Chloride	1800	5.43	mg/kg dry	543	1240	104	80-120			
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Matrix Spike (P0H3003-MS2)**Source: 0H24009-26**

Prepared: 08/30/20 Analyzed: 09/01/20

Chloride	8260	27.5	mg/kg dry	2750	5450	102	80-120			
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Matrix Spike Dup (P0H3003-MSD1)**Source: 0H24009-14**

Prepared: 08/30/20 Analyzed: 09/01/20

Chloride	1850	5.43	mg/kg dry	543	1240	112	80-120	2.42	20	
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Matrix Spike Dup (P0H3003-MSD2)**Source: 0H24009-26**

Prepared: 08/30/20 Analyzed: 09/01/20

Chloride	8020	27.5	mg/kg dry	2750	5450	93.6	80-120	2.84	20	
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Batch P0I0103 - * DEFAULT PREP *******Blank (P0I0103-BLK1)**

Prepared & Analyzed: 09/01/20

Chloride	ND	1.00	mg/kg wet							
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Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project 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
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Batch P0I0103 - * DEFAULT PREP *******LCS (P0I0103-BS1)**

Prepared & Analyzed: 09/01/20

Chloride	409	1.00	mg/kg wet	400	102	80-120
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LCS Dup (P0I0103-BSD1)

Prepared & Analyzed: 09/01/20

Chloride	408	1.00	mg/kg wet	400	102	80-120	0.245	20
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Calibration Blank (P0I0103-CCB1)

Prepared & Analyzed: 09/01/20

Chloride	0.00		mg/kg wet
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Calibration Blank (P0I0103-CCB2)

Prepared & Analyzed: 09/01/20

Chloride	0.00		mg/kg wet
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Calibration Check (P0I0103-CCV1)

Prepared & Analyzed: 09/01/20

Chloride	18.9		mg/kg	20.0	94.7	0-200
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Calibration Check (P0I0103-CCV2)

Prepared & Analyzed: 09/01/20

Chloride	19.0		mg/kg	20.0	95.0	0-200
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Calibration Check (P0I0103-CCV3)

Prepared & Analyzed: 09/01/20

Chloride	19.1		mg/kg	20.0	95.7	0-200
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Matrix Spike (P0I0103-MS1)

Source: 0H31003-21

Prepared & Analyzed: 09/01/20

Chloride	531	1.03	mg/kg dry	515	28.7	97.5	80-120
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Matrix Spike (P0I0103-MS2)

Source: 0H31003-31

Prepared & Analyzed: 09/01/20

Chloride	516	1.04	mg/kg dry	521	20.6	95.2	80-120
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Matrix Spike Dup (P0I0103-MSD1)

Source: 0H31003-21

Prepared & Analyzed: 09/01/20

Chloride	515	1.03	mg/kg dry	515	28.7	94.3	80-120	3.10	20
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Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project 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
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Batch P0I0103 - * DEFAULT PREP *******Matrix Spike Dup (P0I0103-MSD2)****Source: 0H31003-31**

Prepared & Analyzed: 09/01/20

Chloride	513	1.04	mg/kg dry	521	20.6	94.5	80-120	0.692	20	
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1400 Rankin HWY Midland, TX 79701 432-686-7235

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
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
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Batch P0H2606 - TX 1005**Blank (P0H2606-BLK1)**

Prepared & Analyzed: 08/26/20

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	74.0		"	100		74.0	70-130			
Surrogate: o-Terphenyl	41.5		"	50.0		83.0	70-130			

LCS (P0H2606-BS1)

Prepared & Analyzed: 08/26/20

C6-C12	876	25.0	mg/kg wet	1000		87.6	75-125			
>C12-C28	1020	25.0	"	1000		102	75-125			
Surrogate: 1-Chlorooctane	102		"	100		102	70-130			
Surrogate: o-Terphenyl	45.0		"	50.0		90.0	70-130			

LCS Dup (P0H2606-BSD1)

Prepared & Analyzed: 08/26/20

C6-C12	836	25.0	mg/kg wet	1000		83.6	75-125	4.65	20	
>C12-C28	992	25.0	"	1000		99.2	75-125	3.07	20	
Surrogate: 1-Chlorooctane	95.9		"	100		95.9	70-130			
Surrogate: o-Terphenyl	43.4		"	50.0		86.8	70-130			

Calibration Check (P0H2606-CCV1)

Prepared & Analyzed: 08/26/20

C6-C12	472	25.0	mg/kg wet	500		94.4	85-115			
>C12-C28	517	25.0	"	500		103	85-115			
Surrogate: 1-Chlorooctane	91.0		"	100		91.0	70-130			
Surrogate: o-Terphenyl	45.2		"	50.0		90.4	70-130			

Calibration Check (P0H2606-CCV2)

Prepared & Analyzed: 08/26/20

C6-C12	457	25.0	mg/kg wet	500		91.4	85-115			
>C12-C28	474	25.0	"	500		94.7	85-115			
Surrogate: 1-Chlorooctane	91.2		"	100		91.2	70-130			
Surrogate: o-Terphenyl	44.1		"	50.0		88.1	70-130			

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
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
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Batch P0H2606 - TX 1005

Matrix Spike (P0H2606-MS1)		Source: 0H26005-05		Prepared: 08/26/20		Analyzed: 08/27/20				
C6-C12	1030	26.3	mg/kg dry	1050	10.0	97.3	75-125			
>C12-C28	1270	26.3	"	1050	17.2	119	75-125			
Surrogate: 1-Chlorooctane	122		"	105		115	70-130			
Surrogate: o-Terphenyl	54.4		"	52.6		103	70-130			
Matrix Spike Dup (P0H2606-MSD1)		Source: 0H26005-05		Prepared: 08/26/20		Analyzed: 08/27/20				
C6-C12	992	26.3	mg/kg dry	1050	10.0	93.3	75-125	4.17	20	
>C12-C28	1230	26.3	"	1050	17.2	115	75-125	3.55	20	
Surrogate: 1-Chlorooctane	116		"	105		111	70-130			
Surrogate: o-Terphenyl	51.6		"	52.6		98.0	70-130			

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Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

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

Report Approved By:



Date:

9/3/2020

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.

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Project Number: PP-2101
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PBB LAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP

1400 Rankin Hwy

Midland, Texas 79701

Phone: 432-686-7235

LMD OK

Project Manager: Sylvia ReynoldsCompany Name: DeanCompany Address: 12600 WCR 91City/State/Zip: Midland TX 79707Telephone No: 432-230-0920

Fax No:

Sampler Signature: [Signature]

e-mail:

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elizabethstuart@deandigs.com

Analyze For: Amber Givens

Analyze For:

kaylanlongee@deanequip.com

(lab use only)

ORDER #: 0426001

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO ₃ 250 ml Poly	HCl	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃	None 1L Poly	NaOH/ZnAc	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	TPH TX1005 EXT (TEXAS)	BTEX 8021 B	TCLP BENZENE	CHLORIDES	TCLP METALS	NORM	PAINT FILTER	TOX	RCI	pH	TPH 8015 M (NEW MEXICO)	7 Day Tat
1	ESW-1002	2	2	8/25/20	11:25		1	X										X										
2	NSW-2002	2	2		10:50																							
3	NSW-3002	2	2		11:08																							
4	SSW-2002	2	2		12:00																							
5	SSW-3002	2	2		11:40																							
6	NSW-2002	2	2		12:30																							
7	Stackpile Composite				12:30																							

Special Instructions:

Laboratory Comments:

Sample Containers Intact?

VOCs Free of Headspace?

Labels on container(s)?

Custody seals on container(s)?

Sample Hand Delivered

by Sampler/Client Rep?

Temperature Upon Receipt:

Received: 4:1

Adjusted: 7:1

C Factor

Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
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Project Name: Plains Sol Station 8.4.Project #: PP-2101Project Loc: Sol, NM

PO #:

**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- Jal Station Release 8/4/20

Project Number: PP-2101

Location: Jal, NM

Lab Order Number: 0J14015



NELAP/TCEQ # T104704516-17-8

Report Date: 10/16/20

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WSW-2A @ 2'	0J14015-01	Soil	10/13/20 11:00	10-14-2020 15:30
SSW-2A @ 2'	0J14015-02	Soil	10/13/20 11:15	10-14-2020 15:30
SSW-3A @ 2'	0J14015-03	Soil	10/13/20 11:30	10-14-2020 15:30
ESW-1A @ 2'	0J14015-04	Soil	10/13/20 11:45	10-14-2020 15:30

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

WSW-2A @ 2'**0J14015-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.**General Chemistry Parameters by EPA / Standard Methods**

% Moisture	ND	0.1	%	1	P0J1603	10/16/20	10/16/20	ASTM D2216
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P0J1506	10/15/20	10/16/20	TPH 8015M
>C12-C28	364	25.0	mg/kg dry	1	P0J1506	10/15/20	10/16/20	TPH 8015M
>C28-C35	99.8	25.0	mg/kg dry	1	P0J1506	10/15/20	10/16/20	TPH 8015M
Surrogate: 1-Chlorooctane		113 %	70-130		P0J1506	10/15/20	10/16/20	TPH 8015M
Surrogate: o-Terphenyl		124 %	70-130		P0J1506	10/15/20	10/16/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	464	25.0	mg/kg dry	1	[CALC]	10/15/20	10/16/20	calc

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

SSW-2A @ 2'**0J14015-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.**General Chemistry Parameters by EPA / Standard Methods**

% Moisture	ND	0.1	%	1	P0J1603	10/16/20	10/16/20	ASTM D2216	
------------	----	-----	---	---	---------	----------	----------	------------	--

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P0J1506	10/15/20	10/16/20	TPH 8015M	
>C12-C28	1670	25.0	mg/kg dry	1	P0J1506	10/15/20	10/16/20	TPH 8015M	
>C28-C35	484	25.0	mg/kg dry	1	P0J1506	10/15/20	10/16/20	TPH 8015M	
Surrogate: 1-Chlorooctane		102 %	70-130		P0J1506	10/15/20	10/16/20	TPH 8015M	
Surrogate: o-Terphenyl		113 %	70-130		P0J1506	10/15/20	10/16/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	2150	25.0	mg/kg dry	1	[CALC]	10/15/20	10/16/20	calc	

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

SSW-3A @ 2'
0J14015-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

% Moisture	ND	0.1	%	1	P0J1603	10/16/20	10/16/20	ASTM D2216
------------	----	-----	---	---	---------	----------	----------	------------

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P0J1506	10/15/20	10/16/20	TPH 8015M
>C12-C28	62.7	25.0	mg/kg dry	1	P0J1506	10/15/20	10/16/20	TPH 8015M
>C28-C35	26.2	25.0	mg/kg dry	1	P0J1506	10/15/20	10/16/20	TPH 8015M
Surrogate: 1-Chlorooctane		107 %	70-130		P0J1506	10/15/20	10/16/20	TPH 8015M
Surrogate: o-Terphenyl		121 %	70-130		P0J1506	10/15/20	10/16/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	88.8	25.0	mg/kg dry	1	[CALC]	10/15/20	10/16/20	calc

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

ESW-1A @ 2'
0J14015-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

% Moisture	ND	0.1	%	1	P0J1603	10/16/20	10/16/20	ASTM D2216
------------	----	-----	---	---	---------	----------	----------	------------

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P0J1506	10/15/20	10/16/20	TPH 8015M
>C12-C28	745	25.0	mg/kg dry	1	P0J1506	10/15/20	10/16/20	TPH 8015M
>C28-C35	216	25.0	mg/kg dry	1	P0J1506	10/15/20	10/16/20	TPH 8015M
Surrogate: 1-Chlorooctane		107 %	70-130		P0J1506	10/15/20	10/16/20	TPH 8015M
Surrogate: o-Terphenyl		111 %	70-130		P0J1506	10/15/20	10/16/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	961	25.0	mg/kg dry	1	[CALC]	10/15/20	10/16/20	calc

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project 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
Batch P0J1603 - *** DEFAULT PREP ***										
Blank (P0J1603-BLK1)	Prepared & Analyzed: 10/16/20									
% Moisture	ND	0.1	%							
Blank (P0J1603-BLK2)	Prepared & Analyzed: 10/16/20									
% Moisture	ND	0.1	%							
Blank (P0J1603-BLK3)	Prepared & Analyzed: 10/16/20									
% Moisture	ND	0.1	%							
Duplicate (P0J1603-DUP1)	Source: 0J14014-01		Prepared & Analyzed: 10/16/20							
% Moisture	7.0	0.1	%		7.0			0.00	20	
Duplicate (P0J1603-DUP2)	Source: 0J15005-01		Prepared & Analyzed: 10/16/20							
% Moisture	3.0	0.1	%		3.0			0.00	20	
Duplicate (P0J1603-DUP3)	Source: 0J15007-04		Prepared & Analyzed: 10/16/20							
% Moisture	3.0	0.1	%		3.0			0.00	20	
Duplicate (P0J1603-DUP4)	Source: 0J15009-05		Prepared & Analyzed: 10/16/20							
% Moisture	5.0	0.1	%		5.0			0.00	20	
Duplicate (P0J1603-DUP5)	Source: 0J15010-12		Prepared & Analyzed: 10/16/20							
% Moisture	1.0	0.1	%		ND			200	20	R3

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
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 P0J1506 - TX 1005**Blank (P0J1506-BLK1)**

Prepared & Analyzed: 10/15/20

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	88.1		"	100		88.1	70-130			
Surrogate: o-Terphenyl	48.9		"	50.0		97.8	70-130			

LCS (P0J1506-BS1)

Prepared & Analyzed: 10/15/20

C6-C12	888	25.0	mg/kg wet	1000		88.8	75-125			
>C12-C28	1080	25.0	"	1000		108	75-125			
Surrogate: 1-Chlorooctane	112		"	100		112	70-130			
Surrogate: o-Terphenyl	49.6		"	50.0		99.3	70-130			

LCS Dup (P0J1506-BSD1)

Prepared & Analyzed: 10/15/20

C6-C12	873	25.0	mg/kg wet	1000		87.3	75-125	1.64	20	
>C12-C28	1080	25.0	"	1000		108	75-125	0.264	20	
Surrogate: 1-Chlorooctane	112		"	100		112	70-130			
Surrogate: o-Terphenyl	47.9		"	50.0		95.8	70-130			

Calibration Check (P0J1506-CCV1)

Prepared & Analyzed: 10/15/20

C6-C12	468	25.0	mg/kg wet	500		93.6	85-115			
>C12-C28	557	25.0	"	500		111	85-115			
Surrogate: 1-Chlorooctane	105		"	100		105	70-130			
Surrogate: o-Terphenyl	51.2		"	50.0		102	70-130			

Calibration Check (P0J1506-CCV2)

Prepared: 10/15/20 Analyzed: 10/16/20

C6-C12	467	25.0	mg/kg wet	500		93.3	85-115			
>C12-C28	538	25.0	"	500		108	85-115			
Surrogate: 1-Chlorooctane	105		"	100		105	70-130			
Surrogate: o-Terphenyl	50.7		"	50.0		101	70-130			

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
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
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Batch P0J1506 - TX 1005

Matrix Spike (P0J1506-MS1)

Source: 0J14013-07

Prepared: 10/15/20 Analyzed: 10/16/20

C6-C12	953	25.0	mg/kg dry	1000	14.1	93.9	75-125			
>C12-C28	1470	25.0	"	1000	495	97.4	75-125			
Surrogate: 1-Chlorooctane	97.2		"	100		97.2	70-130			
Surrogate: o-Terphenyl	49.4		"	50.0		98.8	70-130			

Matrix Spike Dup (P0J1506-MSD1)

Source: 0J14013-07

Prepared: 10/15/20 Analyzed: 10/16/20

C6-C12	939	25.0	mg/kg dry	1000	14.1	92.5	75-125	1.44	20	
>C12-C28	1590	25.0	"	1000	495	110	75-125	12.0	20	
Surrogate: 1-Chlorooctane	110		"	100		110	70-130			
Surrogate: o-Terphenyl	51.0		"	50.0		102	70-130			

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

Notes and Definitions

ROI Received on Ice

R3 The RPD exceeded the acceptance limit due to sample matrix effects.

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: 10/16/2020

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.

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

**Permian Basin Environmental Lab, LP
1400 Rankin Hwy.
Midland, Texas 79701**

Phone: 432-686-7235

Project Manager: Sylvia Reynolds

Company Name	Dream
---------------------	--------------

Company Address: 12600 W/CR 91

City/State/Zip: Midland TX 79707

Telephone No: 432-653-4203

Fax No.:

Sampler Signature: S. Munnich

e-mail:

sylvia.reynolds@deandigs.com

jeffkindley@deandigs.com

kaylanlongee@deanequip.com

algroves@ppaalp.com

Preservation & # of Containers:

Matrix

Analyze For

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

PO#:

Project Loc: Box 11111

Project #: 45-2101

08-04-2020

Project Name: Wrens, you should know

Page 11 of 11

[illegible]

**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- Jal Station Release 8/4/20

Project Number: PP-2101

Location: Jal, NM

Lab Order Number: 0J20001



NELAP/TCEQ # T104704516-17-8

Report Date: 10/22/20

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SSW-2B @ 2'	0J20001-01	Soil	10/19/20 14:00	10-19-2020 16:16

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

SSW-2B @ 2'**0J20001-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.**General Chemistry Parameters by EPA / Standard Methods**

% Moisture	ND	0.1	%	1	P0J2102	10/21/20	10/21/20	ASTM D2216
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P0J2004	10/20/20	10/20/20	TPH 8015M
>C12-C28	186	25.0	mg/kg dry	1	P0J2004	10/20/20	10/20/20	TPH 8015M
>C28-C35	61.0	25.0	mg/kg dry	1	P0J2004	10/20/20	10/20/20	TPH 8015M
Surrogate: 1-Chlorooctane		113 %	70-130		P0J2004	10/20/20	10/20/20	TPH 8015M
Surrogate: o-Terphenyl		121 %	70-130		P0J2004	10/20/20	10/20/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	247	25.0	mg/kg dry	1	[CALC]	10/20/20	10/20/20	calc

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project 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
Batch P0J2102 - *** DEFAULT PREP ***										
Blank (P0J2102-BLK1)				Prepared & Analyzed: 10/21/20						
% Moisture	ND	0.1	%							
Blank (P0J2102-BLK2)				Prepared & Analyzed: 10/21/20						
% Moisture	ND	0.1	%							
Blank (P0J2102-BLK3)				Prepared & Analyzed: 10/21/20						
% Moisture	ND	0.1	%							
Duplicate (P0J2102-DUP1)		Source: 0J20004-01		Prepared & Analyzed: 10/21/20						
% Moisture	9.0	0.1	%		9.0			0.00	20	
Duplicate (P0J2102-DUP2)		Source: 0J20007-03		Prepared & Analyzed: 10/21/20						
% Moisture	ND	0.1	%		ND				20	
Duplicate (P0J2102-DUP3)		Source: 0J20008-15		Prepared & Analyzed: 10/21/20						
% Moisture	7.0	0.1	%		7.0			0.00	20	
Duplicate (P0J2102-DUP4)		Source: 0J20008-25		Prepared & Analyzed: 10/21/20						
% Moisture	10.0	0.1	%		10.0			0.00	20	

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
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 P0J2004 - TX 1005**Blank (P0J2004-BLK1)**

Prepared & Analyzed: 10/20/20

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	99.1		"	100		99.1	70-130			
Surrogate: o-Terphenyl	51.2		"	50.0		102	70-130			

LCS (P0J2004-BS1)

Prepared & Analyzed: 10/20/20

C6-C12	975	25.0	mg/kg wet	1000		97.5	75-125			
>C12-C28	1030	25.0	"	1000		103	75-125			
Surrogate: 1-Chlorooctane	115		"	100		115	70-130			
Surrogate: o-Terphenyl	52.8		"	50.0		106	70-130			

LCS Dup (P0J2004-BS1)

Prepared & Analyzed: 10/20/20

C6-C12	987	25.0	mg/kg wet	1000		98.7	75-125	1.14	20	
>C12-C28	1040	25.0	"	1000		104	75-125	0.753	20	
Surrogate: 1-Chlorooctane	112		"	100		112	70-130			
Surrogate: o-Terphenyl	52.6		"	50.0		105	70-130			

Calibration Check (P0J2004-CCV1)

Prepared & Analyzed: 10/20/20

C6-C12	518	25.0	mg/kg wet	500		104	85-115			
>C12-C28	518	25.0	"	500		104	85-115			
Surrogate: 1-Chlorooctane	106		"	100		106	70-130			
Surrogate: o-Terphenyl	51.0		"	50.0		102	70-130			

Calibration Check (P0J2004-CCV2)

Prepared & Analyzed: 10/20/20

C6-C12	528	25.0	mg/kg wet	500		106	85-115			
>C12-C28	536	25.0	"	500		107	85-115			
Surrogate: 1-Chlorooctane	107		"	100		107	70-130			
Surrogate: o-Terphenyl	52.8		"	50.0		106	70-130			

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
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
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Batch P0J2004 - TX 1005**Calibration Check (P0J2004-CCV3)**

Prepared & Analyzed: 10/20/20

C6-C12	535	25.0	mg/kg wet	500		107	85-115			
>C12-C28	570	25.0	"	500		114	85-115			
Surrogate: 1-Chlorooctane	111		"	100		111	70-130			
Surrogate: o-Terphenyl	54.0		"	50.0		108	70-130			

Matrix Spike (P0J2004-MS1)

Source: 0J19011-04

Prepared: 10/20/20 Analyzed: 10/21/20

C6-C12	1020	126	mg/kg dry	1010	ND	101	75-125			
>C12-C28	7840	126	"	1010	4960	285	75-125			
Surrogate: 1-Chlorooctane	108		"	101		107	70-130			
Surrogate: o-Terphenyl	55.2		"	50.5		109	70-130			

Matrix Spike Dup (P0J2004-MSD1)

Source: 0J19011-04

Prepared: 10/20/20 Analyzed: 10/21/20

C6-C12	1030	126	mg/kg dry	1010	ND	102	75-125	1.42	20	
>C12-C28	7750	126	"	1010	4960	276	75-125	3.14	20	
Surrogate: 1-Chlorooctane	106		"	101		105	70-130			
Surrogate: o-Terphenyl	54.3		"	50.5		108	70-130			

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal Station Release 8/4/20
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

Notes and Definitions

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:

10/22/2020

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.

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235

Project Manager: Sylvia Reynolds

Company Name _____ Dean _____

Company Address: 12600 WCR 91

City/State/Zip: Midland TX 79707

Telephone No: 432-653-4203

Fax No:

Sampler Signature: *S. Meynolds* e-mail: _____

sylwiareynolds@deandigs.com

jeffkindley@deandigs.com

algroves@paalp.com

ORDER #: 0520001

(lab use only)

Preservation & # of Containers

Matrix

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

PO#:

Project Name: Phenyl, gel dispersion

Project #: PP-2101

Project Loc: 701, W

Page 8 of 8

		(lab use only)	
ORDER #:		0J20001	
LAB # (lab use only)		FIELD CODE	
1		S6W-26 @ 21	
Beginning Depth		24-24	
Ending Depth		19120	
Date Sampled		14:00	
Time Sampled		Field Filtered	
Total #. of Containers		1	
Ice		X	
HNO ₃ 250ml Poly			
HCl			
H ₂ SO ₄			
NaOH			
Na ₂ S ₂ O ₃			
None 1L Poly			
NaOH/ZnAc			
DW=Drinking Water SL=Sludge		5	
GW = Groundwater S=Solid/Solid			
NP=Non-Potable Specify Other			
TPH TX1005 EXT (TEXAS)			
BTEX 8021 B			
TCLP BENZENE			
CHLORIDES			
TCLP METALS			
NORM			
PAINT FILTER			
TOX			
RCI			
pH			
TPH 8015 M (NEW MEXICO)		X	
7 Day Tat			

Special Instructions:

pill directly to plains 40 miles across

Relinquished by:	Date	Time	Date	Time
K. B. N. N. N.				

Relinquished by:	Date	Time	Received by:	Date	Time

Relinquished by: _____ Date _____
Received by: _____ Date _____

Laboratory Comments:

VOCs Free of Headspace?

Custody seals on container

Sample Hand Delivered

by Courier? UPS

Received: °C
Temperature Upon Receipt

Adjusted: 10 °C F

40

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



Revised Analytical Report

Prepared for:

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

Project: Plains- Jal 2 Release

Project Number: PP-2101

Location: Lea County, NM

Lab Order Number: 0H18003



Current Certification

Report Date: 09/03/20

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal 2 Release
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WC-1	0H18003-01	Soil	08/10/20 14:25	08-17-2020 16:35

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

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

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.

On 09/02/2020 PBELAB staff was advised to change the project name for this report to Plains-Jal Station Release 8/4/20.

This revised report reflects this change.

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal 2 Release
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

WC-1
0H18003-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	10.9	1.03	mg/kg dry	1	P0H2411	08/24/20 20:41	08/25/20 21:50	EPA 300.0	
Reactive Cyanide	ND	100	mg/kg	1	P0H2802	08/21/20 07:00	08/27/20 11:40	SW846 9010B	SUB-13
Ignitability by Flashpoint	>212	50.0	°F	1	P0H2802	08/21/20 07:00	08/21/20 07:00	ASTM D93-80	SUB-13
pH	7.56	0.10	pH Units	1	P0H2802	08/21/20 07:00	08/26/20 12:32	EPA 9045B	SUB-13
% Moisture	3.0	0.1	%	1	P0H1901	08/19/20 09:13	08/19/20 09:20	ASTM D2216	
Reactive Sulfide	ND	100	mg/kg	1	P0H2802	08/21/20 07:00	08/27/20 12:00	SW846 9030B	SUB-13

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

Radium 226	1.36	1.26	pCi/g	1	P0I0213	08/19/20 12:41	08/20/20 12:50	EPA 901.1	SUB-13
Radium 228	ND	0.32	pCi/g	1	P0I0213	08/19/20 12:41	08/20/20 12:50	EPA 901.1	SUB-13
Lead 210	ND	1.20	pCi/g	1	P0I0213	08/19/20 12:41	08/20/20 12:50	EPA 901.1	SUB-13
Total Gamma	8.28		pCi/g	1	P0I0213	08/19/20 12:41	08/20/20 12:50	EPA 901.1	SUB-13
Lead 210 Analysis Error	0.71		+/- 2 Sigma	1	P0I0213	08/19/20 12:41	08/20/20 12:50	EPA 901.1	SUB-13
Radium 226 Analysis Error	0.84		+/- 2 Sigma	1	P0I0213	08/19/20 12:41	08/20/20 12:50	EPA 901.1	SUB-13
Radium 228 Analysis Error	0.19		+/- 2 Sigma	1	P0I0213	08/19/20 12:41	08/20/20 12:50	EPA 901.1	SUB-13

TCLP Metals 1311 by EPA / Standard Methods

Mercury	ND	0.000200	mg/L	1	P0H2803	08/25/20 09:30	08/27/20 12:14	EPA 7470A	SUB-13
Chromium	ND	0.0500	mg/L	1	P0H2803	08/25/20 09:30	08/25/20 21:26	EPA 6020A	SUB-13
Arsenic	ND	0.0500	mg/L	1	P0H2803	08/25/20 09:30	08/25/20 21:26	EPA 6020A	SUB-13
Selenium	ND	0.0500	mg/L	1	P0H2803	08/25/20 09:30	08/25/20 21:26	EPA 6020A	SUB-13
Silver	ND	0.0500	mg/L	1	P0H2803	08/25/20 09:30	08/25/20 21:26	EPA 6020A	SUB-13
Cadmium	ND	0.0500	mg/L	1	P0H2803	08/25/20 09:30	08/25/20 21:26	EPA 6020A	SUB-13
Barium	1.06	0.200	mg/L	1	P0H2803	08/25/20 09:30	08/25/20 21:26	EPA 6020A	SUB-13
Lead	ND	0.0500	mg/L	1	P0H2803	08/25/20 09:30	08/25/20 21:26	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal 2 Release
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

WC-1
0H18003-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

TCLP Volatile Organic Compounds by EPA Method 1311/8260B

Benzene	ND	100	ug/l	1	P0H2802	08/24/20 16:30	08/25/20 20:18	EPA 8260B	SUB-13
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	976	258	mg/kg dry	10	P0H1816	08/18/20 15:54	08/19/20 02:01	TPH 8015M	
>C12-C28	11700	258	mg/kg dry	10	P0H1816	08/18/20 15:54	08/19/20 02:01	TPH 8015M	
>C28-C35	1760	258	mg/kg dry	10	P0H1816	08/18/20 15:54	08/19/20 02:01	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		100 %	70-130		<i>P0H1816</i>	<i>08/18/20 15:54</i>	<i>08/19/20 02:01</i>	<i>TPH 8015M</i>	
<i>Surrogate: o-Terphenyl</i>		131 %	70-130		<i>P0H1816</i>	<i>08/18/20 15:54</i>	<i>08/19/20 02:01</i>	<i>TPH 8015M</i>	<i>S-GC</i>
Total Petroleum Hydrocarbon C6-C35	14400	258	mg/kg dry	10	[CALC]	08/18/20 15:54	08/19/20 02:01	calc	

Physical Parameters by APHA/ASTM/EPA Methods

Free Liquid	PASS		N/A	1	P0I0213	08/20/20 08:00	08/20/20 08:15	EPA 9095	
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Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal 2 Release
Project Number: PP-2101
Project 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
Batch P0H1901 - *** DEFAULT PREP ***										
Blank (P0H1901-BLK1)	Prepared & Analyzed: 08/19/20									
% Moisture	ND	0.1	%							
Blank (P0H1901-BLK2)	Prepared & Analyzed: 08/19/20									
% Moisture	ND	0.1	%							
Blank (P0H1901-BLK3)	Prepared & Analyzed: 08/19/20									
% Moisture	ND	0.1	%							
Blank (P0H1901-BLK4)	Prepared & Analyzed: 08/19/20									
% Moisture	ND	0.1	%							
Blank (P0H1901-BLK5)	Prepared & Analyzed: 08/19/20									
% Moisture	ND	0.1	%							
Blank (P0H1901-BLK6)	Prepared & Analyzed: 08/19/20									
% Moisture	ND	0.1	%							
Duplicate (P0H1901-DUP1)	Source: 0H18002-03		Prepared & Analyzed: 08/19/20							
% Moisture	6.0	0.1	%		6.0			0.00	20	
Duplicate (P0H1901-DUP2)	Source: 0H18004-07		Prepared & Analyzed: 08/19/20							
% Moisture	13.0	0.1	%		12.0			8.00	20	
Duplicate (P0H1901-DUP3)	Source: 0H18006-02		Prepared & Analyzed: 08/19/20							
% Moisture	11.0	0.1	%		12.0			8.70	20	
Duplicate (P0H1901-DUP4)	Source: 0H18006-12		Prepared & Analyzed: 08/19/20							
% Moisture	13.0	0.1	%		13.0			0.00	20	

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal 2 Release
Project Number: PP-2101
Project 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
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Batch P0H1901 - * DEFAULT PREP *****

Duplicate (P0H1901-DUP5)	Source: 0H18006-27		Prepared & Analyzed: 08/19/20							
% Moisture	5.0	0.1	%		5.0			0.00	20	
Duplicate (P0H1901-DUP6)	Source: 0H18006-37		Prepared & Analyzed: 08/19/20							
% Moisture	6.0	0.1	%		6.0			0.00	20	
Duplicate (P0H1901-DUP7)	Source: 0H18006-52		Prepared & Analyzed: 08/19/20							
% Moisture	3.0	0.1	%		3.0			0.00	20	
Duplicate (P0H1901-DUP8)	Source: 0H18007-02		Prepared & Analyzed: 08/19/20							
% Moisture	11.0	0.1	%		12.0			8.70	20	
Duplicate (P0H1901-DUP9)	Source: 0H18007-17		Prepared & Analyzed: 08/19/20							
% Moisture	4.0	0.1	%		4.0			0.00	20	
Duplicate (P0H1901-DUPA)	Source: 0H18007-27		Prepared & Analyzed: 08/19/20							
% Moisture	5.0	0.1	%		5.0			0.00	20	
Duplicate (P0H1901-DUPB)	Source: 0H18007-42		Prepared & Analyzed: 08/19/20							
% Moisture	3.0	0.1	%		4.0			28.6	20	R
Duplicate (P0H1901-DUPC)	Source: 0H18007-52		Prepared & Analyzed: 08/19/20							
% Moisture	4.0	0.1	%		4.0			0.00	20	

Batch P0H2411 - * DEFAULT PREP *****

Blank (P0H2411-BLK1)	Prepared: 08/24/20 Analyzed: 08/25/20									
Chloride	ND	1.00	mg/kg wet							

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal 2 Release
Project Number: PP-2101
Project 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
Batch P0H2411 - *** DEFAULT PREP ***										
LCS (P0H2411-BS1)				Prepared: 08/24/20 Analyzed: 08/25/20						
Chloride	419	1.00	mg/kg wet	400		105	80-120			
LCS Dup (P0H2411-BSD1)				Prepared: 08/24/20 Analyzed: 08/25/20						
Chloride	419	1.00	mg/kg wet	400		105	80-120	0.0549	20	
Calibration Check (P0H2411-CCV1)				Prepared: 08/24/20 Analyzed: 08/25/20						
Chloride	18.5		mg/kg	20.0		92.6	0-200			
Calibration Check (P0H2411-CCV2)				Prepared: 08/24/20 Analyzed: 08/25/20						
Chloride	18.6		mg/kg	20.0		93.0	0-200			
Matrix Spike (P0H2411-MS1)				Source: 0H17002-06		Prepared: 08/24/20 Analyzed: 08/25/20				
Chloride	34000	55.6	mg/kg dry	5560	28000	107	80-120			
Matrix Spike (P0H2411-MS2)				Source: 0H17002-17		Prepared: 08/24/20 Analyzed: 08/25/20				
Chloride	5000	10.3	mg/kg dry	1030	4060	91.0	80-120			
Matrix Spike Dup (P0H2411-MSD1)				Source: 0H17002-06		Prepared: 08/24/20 Analyzed: 08/25/20				
Chloride	37700	55.6	mg/kg dry	5560	28000	174	80-120	10.3	20	QM-05
Matrix Spike Dup (P0H2411-MSD2)				Source: 0H17002-17		Prepared: 08/24/20 Analyzed: 08/25/20				
Chloride	5410	10.3	mg/kg dry	1030	4060	130	80-120	7.80	20	QM-05

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal 2 Release
Project Number: PP-2101
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
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Batch P0H1816 - TX 1005**Blank (P0H1816-BLK1)**

Prepared & Analyzed: 08/18/20

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	84.1		"	100		84.1	70-130			
Surrogate: o-Terphenyl	47.7		"	50.0		95.3	70-130			

LCS (P0H1816-BS1)

Prepared & Analyzed: 08/18/20

C6-C12	774	25.0	mg/kg wet	1000		77.4	75-125			
>C12-C28	953	25.0	"	1000		95.3	75-125			
Surrogate: 1-Chlorooctane	98.2		"	100		98.2	70-130			
Surrogate: o-Terphenyl	49.0		"	50.0		98.0	70-130			

LCS Dup (P0H1816-BSD1)

Prepared & Analyzed: 08/18/20

C6-C12	783	25.0	mg/kg wet	1000		78.3	75-125	1.12	20	
>C12-C28	912	25.0	"	1000		91.2	75-125	4.41	20	
Surrogate: 1-Chlorooctane	91.5		"	100		91.5	70-130			
Surrogate: o-Terphenyl	43.6		"	50.0		87.2	70-130			

Calibration Check (P0H1816-CCV1)

Prepared & Analyzed: 08/18/20

C6-C12	437	25.0	mg/kg wet	500		87.4	85-115			
>C12-C28	484	25.0	"	500		96.8	85-115			
Surrogate: 1-Chlorooctane	98.5		"	100		98.5	70-130			
Surrogate: o-Terphenyl	51.0		"	50.0		102	70-130			

Calibration Check (P0H1816-CCV2)

Prepared & Analyzed: 08/18/20

C6-C12	487	25.0	mg/kg wet	500		97.5	85-115			
>C12-C28	524	25.0	"	500		105	85-115			
Surrogate: 1-Chlorooctane	107		"	100		107	70-130			
Surrogate: o-Terphenyl	55.2		"	50.0		110	70-130			

Permian Basin Environmental Lab, L.P.

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

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal 2 Release
Project Number: PP-2101
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
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Batch P0H1816 - TX 1005**Calibration Check (P0H1816-CCV3)**

Prepared: 08/18/20 Analyzed: 08/19/20

C6-C12	461	25.0	mg/kg wet	500		92.2	85-115			
>C12-C28	484	25.0	"	500		96.8	85-115			
Surrogate: 1-Chlorooctane	101		"	100		101	70-130			
Surrogate: o-Terphenyl	51.9		"	50.0		104	70-130			

Matrix Spike (P0H1816-MS1)

Source: 0H18006-51

Prepared: 08/18/20 Analyzed: 08/19/20

C6-C12	1130	28.1	mg/kg dry	1120	13.3	99.4	75-125			
>C12-C28	1380	28.1	"	1120	ND	123	75-125			
Surrogate: 1-Chlorooctane	111		"	112		98.6	70-130			
Surrogate: o-Terphenyl	69.7		"	56.2		124	70-130			

Matrix Spike Dup (P0H1816-MSD1)

Source: 0H18006-51

Prepared: 08/18/20 Analyzed: 08/19/20

C6-C12	1130	28.1	mg/kg dry	1120	13.3	99.3	75-125	0.0574	20	
>C12-C28	1400	28.1	"	1120	ND	124	75-125	1.24	20	
Surrogate: 1-Chlorooctane	109		"	112		96.9	70-130			
Surrogate: o-Terphenyl	69.8		"	56.2		124	70-130			

Permian Basin Environmental Lab, L.P.

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

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

Dean	Project: Plains- Jal 2 Release	Fax:
12600 W County Rd 91	Project Number: PP-2101	
Midland TX, 79707	Project Manager: Sylwia Reynolds	

Physical Parameters by APHA/ASTM/EPA 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 P0I0213 - *** DEFAULT PREP ***

Duplicate (P0I0213-DUP1)		Source: 0H18003-01	Prepared & Analyzed: 08/20/20	
Free Liquid	PASS	N/A	PASS	200

Dean
12600 W County Rd 91
Midland TX, 79707

Project: Plains- Jal 2 Release
Project Number: PP-2101
Project Manager: Sylwia Reynolds

Fax:

Notes and Definitions

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

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

R The RPD exceeded the method control limit. The individual analyte QA/QC recoveries, however, were within acceptance limits.

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:

9/3/2020

Brent Barron, Laboratory Director/Technical Director

Permian Basin Environmental Lab, L.P.

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

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

Dean 12600 W County Rd 91 Midland TX, 79707	Project: Plains- Jal 2 Release Project Number: PP-2101 Project Manager: Sylwia Reynolds	Fax:
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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.

PBB LAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235

LMD CLE-175

Project Manager:

Sylvia Reynolds

Company Name

Aeon Service

Company Address:

12600 WCR 91

City/State/Zip:

Midland, TX 79707

Telephone No:

432-230-0920

Fax No:

Sampler Signature:

Robert Belle

e-mail:

Jeff Kuntz
Elyse Smith
Krylon Longel
Sylvia Reynolds

ORDER #: 0418003

(lab use only)

LAB # (lab use only)

FIELD CODE

ME-1

Beginning Depth

Ending Depth

Date Sampled

08/10/20

Time Sampled

225

Field Filtered

Total #. of Containers

2

Ice

HNO₃

HCl

H₂SO₄

NaOH

Na₂S₂O₃

None

Other (Specify)

DW=Drinking Water SL=Sludge

GW = Groundwater S=Soil/Solid

NP=Non-Potable Specify Other

TPH: TX 1005 TX 1006

Anions (Cl, SO₄, Alkalinity)

BTX S021B/5030 or BTX 8260

TPH 8015 MEX

Chlorides

RLI

NORM

RLP metals

TCUP Benzene

Paint Filter

RUSH TAT (Pre-Schedule) 24, 48, 72 hrs

Standard TAT

Preservation & # of Containers

Matrix

Analyze For

TOTAL:

TOTAL:

Report Format

☒ Standard☐ TRRP☐ NPDES

Project Name:

Plains Job H222222

Project #:

PP-2101 08/05/20

Project Loc:

LOA Canyon, NM

PO #:

23073120-601100-32000

Page 13 of 35

Special Instructions:

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

Laboratory Comments:

Sample Containers (Inert)

VOCs Free of Headspace?

Labels on containers (Inert)

Labels on containers (Inert)

Labels on containers (Inert)

Labels on containers (Inert)

Labels on containers (Inert)

Labels on containers (Inert)

Labels on containers (Inert)

Labels on containers (Inert)



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

August 27, 2020

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

Work Order: **HS20080886**

Laboratory Results for: **0H18003-01**

Dear Brent Barron,

ALS Environmental received 1 sample(s) on Aug 20, 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,

A handwritten signature in black ink, appearing to read 'Andy C. Neir'.

Generated By: JUMOKE.LAWAL

Andy C. Neir

ALS Houston, US

Date: 27-Aug-20

Client: Permian Basin Environmental Lab, LP
Project: 0H18003-01
Work Order: HS20080886

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS20080886-01	0H18003-01	Soil		10-Aug-2020 14:25	20-Aug-2020 09:20	☐

ALS Houston, US

Date: 27-Aug-20

Client: Permian Basin Environmental Lab, LP
Project: 0H18003-01
Work Order: HS20080886

CASE NARRATIVE**Work Order Comments**

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

GCMS Volatiles by Method SW8260**Batch ID: 156668**

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

Metals by Method SW7470**Batch ID: 156738**

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

Metals by Method SW1311/6020**Batch ID: 156717**

- 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: R367543**

- 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: R367545**

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

WetChemistry by Method SW9045D**Batch ID: R367470**

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

WetChemistry by Method ASTM D92-12b**Batch ID: R367190**

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

ALS Houston, US

Date: 27-Aug-20

Client: Permian Basin Environmental Lab, LP
 Project: 0H18003-01
 Sample ID: 0H18003-01
 Collection Date: 10-Aug-2020 14:25

ANALYTICAL REPORT

WorkOrder:HS20080886
 Lab ID:HS20080886-01
 Matrix:Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP VOLATILES						
	Method:SW8260		Leache:SW1311 / 25-Aug-2020	Prep:SW1311 / 25-Aug-2020	Analyst: PC	
Benzene	ND		0.10	mg/L	20	25-Aug-2020 20:18
Surr: 1,2-Dichloroethane-d4	91.2		70-126	%REC	20	25-Aug-2020 20:18
Surr: 4-Bromofluorobenzene	93.7		82-124	%REC	20	25-Aug-2020 20:18
Surr: Dibromofluoromethane	99.3		77-123	%REC	20	25-Aug-2020 20:18
Surr: Toluene-d8	94.2		82-127	%REC	20	25-Aug-2020 20:18
TCLP METALS BY SW6020A						
	Method:SW1311/6020		Leache:SW1311 / 25-Aug-2020	Prep:SW3010A / 25-Aug-2020	Analyst: JHD	
Arsenic	ND		0.0500	mg/L	1	25-Aug-2020 21:26
Barium	1.06		0.200	mg/L	1	25-Aug-2020 21:26
Cadmium	ND		0.0500	mg/L	1	25-Aug-2020 21:26
Chromium	ND		0.0500	mg/L	1	25-Aug-2020 21:26
Lead	ND		0.0500	mg/L	1	25-Aug-2020 21:26
Selenium	ND		0.0500	mg/L	1	25-Aug-2020 21:26
Silver	ND		0.0500	mg/L	1	25-Aug-2020 21:26
TCLP MERCURY BY SW7470A						
	Method:SW7470		Leache:SW1311 / 25-Aug-2020	Prep:SW7470 / 26-Aug-2020	Analyst: JC	
Mercury	ND		0.000200	mg/L	1	27-Aug-2020 12:14
FLASH POINT BY CLEVELAND OPEN CUP ASTM D92-12B						
	Method:ASTM D92-12b				Analyst: TH	
Flash Point	> 212	n	50.0	°F	1	21-Aug-2020 07:00
REACTIVE CYANIDE						
	Method:SW7.3.3.2			Prep:SW7.3.3.2	Analyst: KVL	
Reactive Cyanide	ND	n	100	mg/Kg	1	27-Aug-2020 11:40
REACTIVE SULFIDE						
	Method:SW7.3.4.2				Analyst: KVL	
Reactive Sulfide	ND	n	100	mg/Kg	1	27-Aug-2020 12:00
PH SOIL BY SW9045D						
	Method:SW9045D				Analyst: JAC	
pH	7.56	H	0.100	pH Units	1	26-Aug-2020 12:32
Temp Deg C @pH	22.8	H	0	°C	1	26-Aug-2020 12:32

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

ALS Houston, US

Date: 27-Aug-20

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP

Project: OH18003-01

WorkOrder: HS20080886

Batch ID: 156668	Start Date: 24 Aug 2020 16:30	End Date: 25 Aug 2020 09:30
Method: TCLP ZHE (VOL EXTRACTION)		Prep Code: 1311ZHE

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor
HS20080886-01		25 (g)	500 (mL)	20

Batch ID: 156669	Start Date: 24 Aug 2020 16:30	End Date: 25 Aug 2020 09:30
Method: TCLP MERCURY EXTRACTION BY SW1311		Prep Code: 1311LHG EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor
HS20080886-01		50 (grams)	1000 (mL)	20

Batch ID: 156670	Start Date: 24 Aug 2020 16:30	End Date: 25 Aug 2020 09:30
Method: TCLP METALS EXTRACTION BY SW1311		Prep Code: 1311LM EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor
HS20080886-01		50 (grams)	1000 (mL)	20

Batch ID: 156717	Start Date: 25 Aug 2020 12:00	End Date: 25 Aug 2020 16:00
Method: TCLP LEACHATE DIGESTION BY SW3010A		Prep Code: 3010A_TCLP

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor
HS20080886-01		1 (mL)	10 (mL)	10

Batch ID: 156738	Start Date: 26 Aug 2020 10:00	End Date: 26 Aug 2020 12:00
Method: MERCURY TCLP PREP BY SW7470A		Prep Code: 1311_HGPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor
HS20080886-01		10 (mL)	10 (mL)	1

ALS Houston, US

Date: 27-Aug-20

Client: Permian Basin Environmental Lab, LP
Project: 0H18003-01
WorkOrder: HS20080886

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 156668 (0)		Test Name : TCLP VOLATILES			Matrix: Soil	
HS20080886-01	0H18003-01	10 Aug 2020 14:25	25 Aug 2020 09:30	25 Aug 2020 13:12	25 Aug 2020 20:18	20
Batch ID: 156717 (0)		Test Name : TCLP METALS BY SW6020A			Matrix: Soil	
HS20080886-01	0H18003-01	10 Aug 2020 14:25	25 Aug 2020 09:30	25 Aug 2020 16:00	25 Aug 2020 21:26	1
Batch ID: 156738 (0)		Test Name : TCLP MERCURY BY SW7470A			Matrix: Soil	
HS20080886-01	0H18003-01	10 Aug 2020 14:25	25 Aug 2020 09:30	26 Aug 2020 08:30	27 Aug 2020 12:14	1
Batch ID: R367190 (0)		Test Name : FLASH POINT BY CLEVELAND OPEN CUP ASTM D92-12B			Matrix: Soil	
HS20080886-01	0H18003-01	10 Aug 2020 14:25			21 Aug 2020 07:00	1
Batch ID: R367470 (0)		Test Name : PH SOIL BY SW9045D			Matrix: Soil	
HS20080886-01	0H18003-01	10 Aug 2020 14:25			26 Aug 2020 12:32	1
Batch ID: R367543 (0)		Test Name : REACTIVE CYANIDE			Matrix: Soil	
HS20080886-01	0H18003-01	10 Aug 2020 14:25			27 Aug 2020 11:40	1
Batch ID: R367545 (0)		Test Name : REACTIVE SULFIDE			Matrix: Soil	
HS20080886-01	0H18003-01	10 Aug 2020 14:25			27 Aug 2020 12:00	1

ALS Houston, US

Date: 27-Aug-20

Client: Permian Basin Environmental Lab, LP
Project: 0H18003-01
WorkOrder: HS20080886

QC BATCH REPORT

Batch ID: 156717 (0)		Instrument: ICPMS04		Method: TCLP METALS BY SW6020A					
MBLK	Sample ID: MBLKT2-156717	Units: mg/L		Analysis Date: 25-Aug-2020 21:22					
Client ID:	Run ID: ICPMS04_367367	SeqNo: 5714952		PrepDate: 25-Aug-2020		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual

Arsenic	ND	0.0500
Barium	ND	0.200
Cadmium	ND	0.0500
Chromium	ND	0.0500
Lead	ND	0.0500
Selenium	ND	0.0500
Silver	ND	0.0500

MBLK	Sample ID: MBLKT1-156717	Units: mg/L		Analysis Date: 25-Aug-2020 21:20					
Client ID:	Run ID: ICPMS04_367367	SeqNo: 5714951		PrepDate: 25-Aug-2020		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual

Arsenic	ND	0.0500
Barium	ND	0.200
Cadmium	ND	0.0500
Chromium	ND	0.0500
Lead	ND	0.0500
Selenium	ND	0.0500
Silver	ND	0.0500

MBLK	Sample ID: MBLK-156717	Units: mg/L		Analysis Date: 25-Aug-2020 21:18					
Client ID:	Run ID: ICPMS04_367367	SeqNo: 5714950		PrepDate: 25-Aug-2020		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual

Arsenic	ND	0.00500
Barium	ND	0.0200
Cadmium	ND	0.00500
Chromium	ND	0.00500
Lead	ND	0.00500
Selenium	ND	0.00500
Silver	ND	0.00500

ALS Houston, US

Date: 27-Aug-20

Client: Permian Basin Environmental Lab, LP
Project: 0H18003-01
WorkOrder: HS20080886

QC BATCH REPORT

Batch ID: 156717 (0)		Instrument: ICPMS04		Method: TCLP METALS BY SW6020A					
LCS		Sample ID: LCS-156717		Units: mg/L		Analysis Date: 25-Aug-2020 21:24			
Client ID:		Run ID: ICPMS04_367367		SeqNo: 5714953		PrepDate: 25-Aug-2020		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Arsenic	0.04941	0.00500	0.05	0	98.8	80 - 120			
Barium	0.04966	0.0200	0.05	0	99.3	80 - 120			
Cadmium	0.05122	0.00500	0.05	0	102	80 - 120			
Chromium	0.04661	0.00500	0.05	0	93.2	80 - 120			
Lead	0.04884	0.00500	0.05	0	97.7	80 - 120			
Selenium	0.05052	0.00500	0.05	0	101	80 - 120			
Silver	0.04869	0.00500	0.05	0	97.4	80 - 120			

MS		Sample ID: HS20080886-01MS		Units: mg/L		Analysis Date: 25-Aug-2020 21:30			
Client ID: 0H18003-01		Run ID: ICPMS04_367367		SeqNo: 5714956		PrepDate: 25-Aug-2020		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Arsenic	0.5255	0.0500	0.5	0	105	80 - 120			
Barium	1.6	0.200	0.5	1.056	109	80 - 120			
Cadmium	0.5142	0.0500	0.5	0	103	80 - 120			
Chromium	0.4788	0.0500	0.5	0	95.8	80 - 120			
Lead	0.5077	0.0500	0.5	0	102	80 - 120			
Selenium	0.5219	0.0500	0.5	0	104	80 - 120			
Silver	0.4794	0.0500	0.5	0	95.9	80 - 120			

MSD		Sample ID: HS20080886-01MSD		Units: mg/L		Analysis Date: 25-Aug-2020 21:32			
Client ID: 0H18003-01		Run ID: ICPMS04_367367		SeqNo: 5714957		PrepDate: 25-Aug-2020		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Arsenic	0.518	0.0500	0.5	0	104	80 - 120	0.5255	1.43	20
Barium	1.586	0.200	0.5	1.056	106	80 - 120	1.6	0.877	20
Cadmium	0.5161	0.0500	0.5	0	103	80 - 120	0.5142	0.367	20
Chromium	0.4726	0.0500	0.5	0	94.5	80 - 120	0.4788	1.32	20
Lead	0.5048	0.0500	0.5	0	101	80 - 120	0.5077	0.579	20
Selenium	0.5273	0.0500	0.5	0	105	80 - 120	0.5219	1.03	20
Silver	0.4792	0.0500	0.5	0	95.8	80 - 120	0.4794	0.0626	20

ALS Houston, US

Date: 27-Aug-20

Client: Permian Basin Environmental Lab, LP

Project: 0H18003-01

WorkOrder: HS20080886

QC BATCH REPORT

Batch ID: 156717 (0)		Instrument: ICPMS04		Method: TCLP METALS BY SW6020A					
PDS		Sample ID: HS20080886-01PDS		Units: mg/L		Analysis Date: 25-Aug-2020 21:35			
Client ID: 0H18003-01		Run ID: ICPMS04_367367		SeqNo: 5714958		PrepDate: 25-Aug-2020		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Arsenic	1.087	0.0500	1	0.00343	108	75 - 125			
Barium	2.111	0.200	1	1.056	106	75 - 125			
Cadmium	1.059	0.0500	1	0.00064	106	75 - 125			
Chromium	1.015	0.0500	1	0.00133	101	75 - 125			
Lead	1.054	0.0500	1	0.00317	105	75 - 125			
Selenium	1.075	0.0500	1	0.00301	107	75 - 125			
Silver	0.9937	0.0500	1	0.00036	99.3	75 - 125			

SD		Sample ID: HS20080886-01SD		Units: mg/L		Analysis Date: 25-Aug-2020 21:28			
Client ID: 0H18003-01		Run ID: ICPMS04_367367		SeqNo: 5714955		PrepDate: 25-Aug-2020		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit Qual
Arsenic	ND	0.250					0.00343	0	10
Barium	1.057	1.00					1.056	0.114	10
Cadmium	ND	0.250					0.00064	0	10
Chromium	ND	0.250					0.00133	0	10
Lead	ND	0.250					0.00317	0	10
Selenium	ND	0.250					0.00301	0	10
Silver	ND	0.250					0.00036	0	10

The following samples were analyzed in this batch: HS20080886-01

ALS Houston, US

Date: 27-Aug-20

Client: Permian Basin Environmental Lab, LP
Project: 0H18003-01
WorkOrder: HS20080886

QC BATCH REPORT

Batch ID: 156738 (0)		Instrument: HG03		Method: TCLP MERCURY BY SW7470A					
MBLK	Sample ID: MBLKT2-156738	Units: mg/L		Analysis Date: 27-Aug-2020 11:14					
Client ID:	Run ID: HG03_367555	SeqNo: 5717303		PrepDate: 26-Aug-2020		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Mercury	ND	0.000200							
MBLK	Sample ID: MBLKT4-156738	Units: mg/L		Analysis Date: 27-Aug-2020 11:23					
Client ID:	Run ID: HG03_367555	SeqNo: 5717305		PrepDate: 26-Aug-2020		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Mercury	ND	0.000200							
MBLK	Sample ID: MBLKT3-156738	Units: mg/L		Analysis Date: 27-Aug-2020 11:18					
Client ID:	Run ID: HG03_367555	SeqNo: 5717304		PrepDate: 26-Aug-2020		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Mercury	ND	0.000200							
MBLK	Sample ID: MBLKT1-156738	Units: mg/L		Analysis Date: 27-Aug-2020 11:13					
Client ID:	Run ID: HG03_367555	SeqNo: 5717302		PrepDate: 26-Aug-2020		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Mercury	ND	0.000200							
MBLK	Sample ID: MBLK-156738	Units: mg/L		Analysis Date: 27-Aug-2020 11:09					
Client ID:	Run ID: HG03_367555	SeqNo: 5717301		PrepDate: 26-Aug-2020		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Mercury	ND	0.000200							
LCS	Sample ID: LCS-156738	Units: mg/L		Analysis Date: 27-Aug-2020 11:26					
Client ID:	Run ID: HG03_367555	SeqNo: 5717306		PrepDate: 26-Aug-2020		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Mercury	0.00487	0.000200	0.005	0	97.4	80 - 120			

ALS Houston, US

Date: 27-Aug-20

Client: Permian Basin Environmental Lab, LP
Project: 0H18003-01
WorkOrder: HS20080886

QC BATCH REPORT

Batch ID: 156738 (0)		Instrument: HG03		Method: TCLP MERCURY BY SW7470A					
MS	Sample ID: HS20080822-01MS	Units: mg/L		Analysis Date: 27-Aug-2020 11:42					
Client ID:	Run ID: HG03_367555	SeqNo: 5717311		PrepDate: 26-Aug-2020		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Mercury	0.00555	0.000200	0.005	0.000051	110	75 - 125			
MSD	Sample ID: HS20080822-01MSD	Units: mg/L		Analysis Date: 27-Aug-2020 11:44					
Client ID:	Run ID: HG03_367555	SeqNo: 5717312		PrepDate: 26-Aug-2020		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Mercury	0.00553	0.000200	0.005	0.000051	110	75 - 125	0.00555	0.361	20
The following samples were analyzed in this batch: HS20080886-01									

ALS Houston, US

Date: 27-Aug-20

Client: Permian Basin Environmental Lab, LP
Project: 0H18003-01
WorkOrder: HS20080886

QC BATCH REPORT

Batch ID: 156668 (0)		Instrument: VOA9		Method: TCLP VOLATILES					
MBLK	Sample ID: MBLK-156668	Units: ug/L		Analysis Date: 25-Aug-2020 16:37					
Client ID:	Run ID: VOA9_367439	SeqNo: 5715133		PrepDate: 25-Aug-2020		DF: 20			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	ND	100							
Surr: 1,2-Dichloroethane-d4	895.3	100	1000	0	89.5	70 - 130			
Surr: 4-Bromofluorobenzene	929.9	100	1000	0	93.0	82 - 115			
Surr: Dibromofluoromethane	962.7	100	1000	0	96.3	73 - 126			
Surr: Toluene-d8	956.4	100	1000	0	95.6	81 - 120			
LCS	Sample ID: VLCSW-156668	Units: ug/L		Analysis Date: 25-Aug-2020 14:10					
Client ID:	Run ID: VOA9_367439	SeqNo: 5715131		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	20.96	5.0	20	0	105	74 - 120			
Surr: 1,2-Dichloroethane-d4	43.93	5.0	50	0	87.9	70 - 130			
Surr: 4-Bromofluorobenzene	48.82	5.0	50	0	97.6	82 - 115			
Surr: Dibromofluoromethane	47.29	5.0	50	0	94.6	73 - 126			
Surr: Toluene-d8	49.14	5.0	50	0	98.3	81 - 120			
MS	Sample ID: HS20080882-01MS	Units: ug/L		Analysis Date: 25-Aug-2020 18:40					
Client ID:	Run ID: VOA9_367439	SeqNo: 5715135		PrepDate: 25-Aug-2020		DF: 20			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	430	100	400	0	107	70 - 127			
Surr: 1,2-Dichloroethane-d4	890.8	100	1000	0	89.1	70 - 126			
Surr: 4-Bromofluorobenzene	972.3	100	1000	0	97.2	82 - 124			
Surr: Dibromofluoromethane	965.3	100	1000	0	96.5	77 - 123			
Surr: Toluene-d8	946.9	100	1000	0	94.7	82 - 127			
The following samples were analyzed in this batch: HS20080886-01									

ALS Houston, US

Date: 27-Aug-20

Client: Permian Basin Environmental Lab, LP
Project: 0H18003-01
WorkOrder: HS20080886

QC BATCH REPORT

Batch ID: R367190 (0)		Instrument: WetChem_HS		Method: FLASH POINT BY CLEVELAND OPEN CUP ASTM D92-12B					
DUP	Sample ID: HS20080882-01DUP		Units: °F		Analysis Date: 21-Aug-2020 07:00				
Client ID:		Run ID: WetChem_HS_367190		SeqNo: 5709532		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual

Flash Point	> 212	50.0					0	0	30
-------------	-------	------	--	--	--	--	---	---	----

The following samples were analyzed in this batch:

HS20080886-01

ALS Houston, US

Date: 27-Aug-20

Client: Permian Basin Environmental Lab, LP
Project: 0H18003-01
WorkOrder: HS20080886

QC BATCH REPORT

Batch ID: R367470 (0)		Instrument: WetChem_HS		Method: PH SOIL BY SW9045D					
DUP	Sample ID: HS20080824-01DUP	Units: pH Units		Analysis Date: 26-Aug-2020 12:32					
Client ID:	Run ID: WetChem_HS_367470		SeqNo: 5715773		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
pH	7.51	0.100					7.53	0.266	10
Temp Deg C @pH	22.8	0					22.8	0	10

The following samples were analyzed in this batch: HS20080886-01

ALS Houston, US

Date: 27-Aug-20

Client: Permian Basin Environmental Lab, LP

Project: 0H18003-01

WorkOrder: HS20080886

QC BATCH REPORT

Batch ID: R367543 (0)		Instrument: UV-2450		Method: REACTIVE CYANIDE					
MBLK	Sample ID: MBLK-R367543	Units: mg/Kg		Analysis Date: 27-Aug-2020 11:40					
Client ID:	Run ID: UV-2450_367543	SeqNo: 5717144		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Reactive Cyanide	ND	100							
LCS	Sample ID: LCS-R367543	Units: mg/Kg		Analysis Date: 27-Aug-2020 11:40					
Client ID:	Run ID: UV-2450_367543	SeqNo: 5717143		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Reactive Cyanide	0.6	10.0	10	0	6.00	5 - 100			J
MS	Sample ID: HS20080886-01MS	Units: mg/Kg		Analysis Date: 27-Aug-2020 11:40					
Client ID: 0H18003-01	Run ID: UV-2450_367543	SeqNo: 5717145		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Reactive Cyanide	0.6	10.0	10	0	6.00	5 - 100			J
The following samples were analyzed in this batch: HS20080886-01									

ALS Houston, US

Date: 27-Aug-20

Client: Permian Basin Environmental Lab, LP

Project: 0H18003-01

WorkOrder: HS20080886

QC BATCH REPORT

Batch ID: R367545 (0)		Instrument: WetChem_HS		Method: REACTIVE SULFIDE					
MBLK	Sample ID: MBLK-R367545	Units: mg/Kg		Analysis Date: 27-Aug-2020 12:00					
Client ID:	Run ID: WetChem_HS_367545		SeqNo: 5717162		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Reactive Sulfide	ND	100							
LCS	Sample ID: LCS-R367545	Units: mg/Kg		Analysis Date: 27-Aug-2020 12:00					
Client ID:	Run ID: WetChem_HS_367545		SeqNo: 5717161		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Reactive Sulfide	66.4	10.0	100	0	66.4	20 - 120			
MS	Sample ID: HS20080886-01MS	Units: mg/Kg		Analysis Date: 27-Aug-2020 12:00					
Client ID: 0H18003-01	Run ID: WetChem_HS_367545		SeqNo: 5717163		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Reactive Sulfide	62.4	10.0	100	-1.6	64.0	20 - 120			
The following samples were analyzed in this batch: HS20080886-01									

ALS Houston, US

Date: 27-Aug-20

Client: Permian Basin Environmental Lab, LP
Project: 0H18003-01
WorkOrder: HS20080886

**QUALIFIERS,
ACRONYMS, UNITS**

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

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

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

ALS Houston, US

Date: 27-Aug-20

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	20-030-0	26-Mar-2021
California	2919, 2020-2021	30-Apr-2021
Dept of Defense	ANAB L2231 V010	22-Dec-2021
Florida	E87611-30-07/01/2020	30-Jun-2021
Illinois	2000322020-4	09-May-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
Oklahoma	2019-141	31-Aug-2020
Texas	T104704231-20-26	30-Apr-2021

ALS Houston, US

Date: 27-Aug-20

Client:	Permian Basin Environmental Lab, LP	SAMPLE TRACKING
Project:	0H18003-01	
Work Order:	HS20080886	

Lab Samp ID	Client Sample ID	Action	Date	Person	New Location
HS20080886-01	0H18003-01	Login	8/20/2020 5:56:01 PM	NDD	SPA252

ALS Houston, US

Date: 27-Aug-20

Sample Receipt Checklist

Work Order ID: HS20080886

Date/Time Received: 20-Aug-2020 09:20

Client Name: Permian Basin Lab

Received by: Jared R. Makan

Completed By: <u>/S/ Nelson D. Dusara</u>	20-Aug-2020 17:45	Reviewed by: _____	_____
eSignature	Date/Time	eSignature	Date/Time

Matrices: **Solid**Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	COC IDs:N/A
Samplers name present on COC?	Yes ☐	No ☒	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	
Temperature(s)/Thermometer(s):	3.1 C UC/C IR 31		
Cooler(s)/Kit(s):	Red		
Date/Time sample(s) sent to storage:	Aug/20/2020 17:00		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☒
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☒
pH adjusted?	Yes ☐	No ☐	N/A ☒
pH adjusted by:			

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

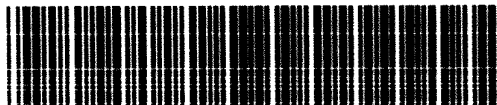
Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland Texas 79701

Phone: 432-686-7235
PBELAB_SUB_COC_V2

Project Manager: Brent BarronCompany Name: PBELCompany Address: 1400 Rankin HWYCity/State/Zip: Midland Texas 79701Telephone No: 432-661-4184Sampler Signature: N/A**HS20080886**

Permian Basin Environmental Lab, LP

0H18003-01

e-mail: brentbarron@pbelab.comProject Name: SUBCONTRACT

Project #: _____

Project Loc: _____

PO #: _____

Report Format: ☒ Standard ☐ TRRP ☐ NPDE

(lab use only)

ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers										Matrix		Analyze For:														24 HOUR RUSH	Standard TAT 4 DAY			
								ICE	HNO ₃ 250 poly 1	HCl 2x 40mL VOA	H ₂ SO ₄ 1 Amber 500 250 poly	NaOH /ZnAC 250 Poly 1	Na ₂ S ₂ O ₃	None Poly 500mL 250mL Glass Amber 1000 500 mL	NaOH/ZnAc	DW-Drinking Water SL-Sludge	GW - Groundwater S-Soil/Solid	NP-Non-Potable Specify Other	HEM BY 1664	TCLP RCRA 8 METALS /CPMS/7470	RCI	TCLP BENZENE	NORM-COMLETE	8260B COMPLETE LIST	BOD .405.1	8270C PAH LL	8260C SEMIVOLATILE	METHANOL 8015M	TOX 9020B	Triethylene Glycol 8015m	PH							
	0H18003-01			8/10/2020	14:25		2											S		X	X	X																X

Special Instructions:

Laboratory Comments:

Sample Containers Intact? Y N

VOCs Free of Headspace? Y N

Labels on container(s) Y N

Custody seals on container(s) Y N

Custody seals on cooler(s) Y N

Sample Hand Delivered Y N

by Sampler/Client Rep. ? Y N

by Courier? UPS DHL FedEx L

Temperature Upon Receipt:

Received: 3.1 °C

Adjusted: 0 °C Factor

Relinquished by:	Date	Time		Date	Time
Brent Barron	8/18/20	16:00			
Relinquished by:	Date	Time	Received by:	Date	Time
			J. Barron	8/20/20	09:20
Relinquished by:	Date	Time	Received by:	Date	Time

Coder - Med
11/2/20



APPENDIX D

PHOTOGRAPHIC DOCUMENTATION

Photograph No 1.

Date: August 4, 2020

Direction: West

Description: View of release area.

**Photograph No 2.**

Date: August 7, 2020

Direction: East

Description: View of excavation beneath pipeline.



Photograph No 3.

Date: August 7, 2020

Direction: West

Description: Excavation adjacent to pump.

**Photograph No 4.**

Date: August 14, 2020

Direction: East

Description: View of excavation beneath pipeline.



Photograph No 5.

Date: August 21, 2020

Direction: North

Description: Install of liner beneath pump.

**Photograph No 6.**

Date: December 8, 2010

Direction: North

Description: Install of liner throughout entire excavation.



Photograph No 7.

Date: December 14, 2020

Direction: West

Description: Completed backfill of site remediation.



Photograph No 8.

Date: December 14, 2020

Direction: North

Description: Completed backfill of site remediation.



APPENDIX E
NEW MEXICO OIL CONSERVATION DIVISION VARIANCE
EMAIL APPROVAL

Jeff Kindley

From: Amber L Groves <ALGroves@paalp.com>
Sent: Friday, February 12, 2021 11:18 AM
To: Jeff Kindley
Subject: FW: [EXT] RE: NRM2022150038 Plains Jal 1231 Variance Request

From: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Sent: Tuesday, September 1, 2020 10:29 AM
To: Amber L Groves <ALGroves@paalp.com>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>
Cc: Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; 'Sylwia Reynolds' <Sylwiareynolds@deandigs.com>; Venegas, Victoria, EMNRD <Victoria.Venegas@state.nm.us>; Eads, Cristina, EMNRD <Cristina.Eads@state.nm.us>
Subject: RE: [EXT] RE: NRM2022150038 Plains Jal 1231 Variance Request [External]

Amber,

I don't recall what you were asking a variance for back in 2019. I looked briefly at that project and still couldn't tell. The idea of going straight to closure with a project is that you need to follow the rules very closely. The variance request you are asking for here requires data in the form of a remediation plan with the variance requested. As it is, you are asking for a generic variance to install a liner to mitigate hydrocarbon impact. As a generic request, that variance is denied.

Thanks,

P ln#Eudfchu#
 QP RFG #QP #rxw#
 ;44#rxw#lw#wbh#
 Duvld/QP #;543#
 8:80:7;045;6#I#w#3;#
 8:8095903;8:#ho#
 #
 Kreev#R iifh#
 4958#Q ruk#uhqfk#G ulyh#
 Kreev#QP #;573#
 8:806<609494#

From: Amber L Groves <ALGroves@paalp.com>
Sent: Monday, August 31, 2020 3:06 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>
Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; 'Sylwia Reynolds' <Sylwiareynolds@deandigs.com>; Venegas, Victoria, EMNRD <Victoria.Venegas@state.nm.us>; Eads, Cristina, EMNRD <Cristina.Eads@state.nm.us>
Subject: RE: [EXT] RE: NRM2022150038 Plains Jal 1231 Variance Request

Good Afternoon, Mr. Hamlet,

Plains is planning to have a closure report submitted to the online portal within 90 days of the initial release on August 4th. AH-1 and AH-2 are auger hole samples for vertical delineation. Horizontal delineation will be achieved with

confirmation wall samples of the excavated area. Page 3 of the 'Maps, Chem Table and Photo' attachment is the Karst Map utilizing the files that BLM provides. If you would please provide guidance as to what other Karst information will need to be provided, Plains will strive to accommodate your request. We will be more than happy to also send the laboratory analytical results to you, although it makes the file size quite a bit larger in some cases.

On Wednesday September 18, 2019, I had a conversation with Mike Bratcher regarding variance requests. He had told me that as a variance request does not really have to do with the C-141, then submitting via the portal was not necessary. Attached please find a copy of an e-mail conversation that I had with Ms. Venegas regarding variance requests in September as well. Since that conversation, I have been submitting and receiving responses to variance requests via e-mail. I am by no means trying to tell you that I will not submit a work plan if you so request. I am just needing an explanation as to the change in process as I will have to justify the excess time and expense. This is especially important for this particular release as we do have a pump down accommodating the current excavation. Please advise the when and how the variance request process changed. As always, please feel free to give me a call to discuss.

Thank you,

D p ehu#0 1#Juryhv#
 U hp hgldwlrq#Frruglqdwru#
 S o lqv#D o#D p hulfdq#
 6445#Z 1#K V#K z | #;5#
 Orylqjwrq/#Q P ##;593#
 8:80533 0884: #

From: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>

Sent: Friday, August 28, 2020 12:27 PM

To: Amber L Groves <ALGroves@paalp.com>

Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; 'Sylwia Reynolds' <Sylwiareynolds@deandigs.com>; Venegas, Victoria, EMNRD <Victoria.Venegas@state.nm.us>; Eads, Cristina, EMNRD <Cristina.Eads@state.nm.us>

Subject: RE: [EXT] RE: NRM2022150038 Plains Jal 1231 Variance Request [External]

Amber,

The variance request needs to be sent in with the remediation plan. Using this report as an example, there is no characterization, no karst evaluation, no FEMA National Flood map review, and no lab analytical result pages. This report is very incomplete and does not substitute for a remediation plan. It is difficult for us to evaluate the variance request, unless you have included all of the information/data to make a determination. That's why we ask that it be included with the remediation plan.

If the variance request was accidentally not included in the remediation report, we will certainly review it after the fact. At that point, we would have the information we would need to make a decision. It appears there is no remediation plan on record in the incident file. Please let me know if one has been submitted and we can review them together.

Regards,

Robert J Hamlet
 State of New Mexico

Energy, Minerals, and Natural Resources
Oil Conservation Division
811 S. First St., Artesia NM 88210
(575) 748-1283
Robert.Hamlet@state.nm.us

From: Amber L Groves <ALGroves@paalp.com>
Sent: Friday, August 28, 2020 11:00 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>
Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; 'Sylwia Reynolds' <Sylwiareynolds@deandigs.com>; Venegas, Victoria, EMNRD <Victoria.Venegas@state.nm.us>; Eads, Cristina, EMNRD <Cristina.Eads@state.nm.us>
Subject: [EXT] RE: NRM2022150038 Plains Jal 1231 Variance Request

Good Morning, Robert,

It has been my understanding that variance requests did not need to go through the portal and I have submitted several via e-mail in the last year without doing so. Would you be able to provide guidance on when this changed?

Thank you,

Amber

From: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>
Sent: Friday, August 28, 2020 11:18 AM
To: Amber L Groves <ALGroves@paalp.com>
Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; 'Sylwia Reynolds' <Sylwiareynolds@deandigs.com>; Venegas, Victoria, EMNRD <Victoria.Venegas@state.nm.us>; Eads, Cristina, EMNRD <Cristina.Eads@state.nm.us>
Subject: RE: NRM2022150038 Plains Jal 1231 Variance Request [External]

Amber,

Please, submit the variance request/remediation plan to the payment portal, so it can be reviewed.

Thank you,

Robert J Hamlet
State of New Mexico
Energy, Minerals, and Natural Resources
Oil Conservation Division
811 S. First St., Artesia NM 88210
(575) 748-1283
Robert.Hamlet@state.nm.us

From: Amber L Groves <ALGroves@paalp.com>
Sent: Friday, August 28, 2020 5:18 AM
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>; 'Sylwia Reynolds' <Sylwiareynolds@deandigs.com>
Subject: [EXT] NRM2022150038 Plains Jal 1231 Variance Request

Good Morning,

On August 4, 2020 Plains had an approximate 10.7 bbl release attributed to a pump seal failure. An initial C-141 was filed on the NMOCD online portal on August 6th and assigned incident #NRM2022150038. Initial delineation, via two auger holes was conducted at the location on August 5, 2020. Attached is a chemistry table indicating that vertical delineation was achieved, with impact being observed to 3' bgs and 8' bgs respectively. I have also attached groundwater data from a producer report for monitor wells located within this facility as of 2012 showing depth to groundwater to be approximately 85'. As indicated with the attached maps and photo log, this release occurred directly underneath station piping in a Plains Tank Farm Facility. Vertical excavation beyond 4' bgs is technically infeasible for safety and facility integrity. Plains will achieve horizontal delineation of the release area via confirmation wall samples. As the excavation process has begun, partial horizontal delineation/confirmation sampling has been conducted and can be found on page 7 of the attached chemistry table/map document. Additional wall samples are currently pending results and walls will be taken below current regulatory guidelines. Plains respectfully requests to cease excavation at 4' bgs and install a 20 mil polyethylene liner to mitigate further leaching of any remaining impacted soils. All impacted material will be transported under manifest to an NMOCD approved facility, and excavation backfilled with locally sourced, non-impacted material. Please feel free to contact me at (575)200-5517 should have any questions or need any further information.

Thank you,

D p ehv#0 1#J uryhv#
 U hp hgldwlrq#F rrug lqdwru#
 S o lqv#D o#D p hulfdq#
 6445#Z 1#K V#K z | #; 5#
 Ory lqjwrq/#Q P ##; ; 593#
 8:80533 0884: #

Attention:

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please contact the Plains Service Desk at 713-646-4444 and delete the material from any system and destroy any copies.

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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.

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This footnote also confirms that this email message has been scanned for Viruses and Content and cleared.

Jeff Kindley

From: Jeff Kindley
Sent: Friday, January 22, 2021 1:07 PM
To: Jeff Kindley
Subject: FW: Re-submittal of C Plains Jal Station Tank 1231 Pump Variance Request - APPROVAL

From: Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>
Sent: Thursday, December 3, 2020 12:51 PM
To: Amber L Groves <ALGroves@paalp.com>; 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: Camille J Bryant <CJBryant@paalp.com>
Subject: RE: Re-submittal of C Plains Jal Station Tank 1231 Pump Variance Request - APPROVAL [External]

12/03/2020

Amber Groves – Plains Pipeline

RE: NRM2022150038

In review of the supplied information and with the understanding that the additional excavation that has occurred will supply needed information in final report, the remediation plan and variance request is APPROVED. The Oil Conservation Division (OCD) appreciates your efforts. In data base I am now listed as the reviewer. Leaving Mr. Hamlet, Ms. Venegas and Ms. Eads on this communication is for their reference only in terms of Pay Portal listing.

Please keep a copy of this communication, as no paper copy will follow. If there are any questions, please contact as needed.

Sincerely,

Bradford Billings
EMNRD/OCD
505-670-6549

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

From: Amber L Groves <ALGroves@paalp.com>
Sent: Monday, November 16, 2020 7:26 AM
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>;

Camille J Bryant <CJBryant@paalp.com>

Subject: [EXT] Re-submittal of NRM2022150038 Plains Jal Station Tank 1231 Pump Variance Request

Good Morning,

Please accept this as a re-submittal of NRM2022150038 Plains Jal Station Tank 1231 Pump Variance Request. This was submitted to the NMOCD online portal under PO#[54X6N-200915-C-1410](#) on September 15, 2020 and would now be considered in automatic denial. Please feel free to give me a call at (575)200-5517 should you have any questions.

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.

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Attention:

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This footnote also confirms that this email message has been scanned for Viruses and Content and cleared.

APPENDIX F WASTE MANIFESTS



TRANSPORTER'S MANIFEST

SHIPPERS FACILITY NAME & ADDRESS:

Plains Pipeline, L.P.
10 Desta Drive, Suite 550E
Midland, TX 79705

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil

Volume: 12

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name: JOSE A Reyes

Date: 12-8-20

Driver's Signature: Jose A. Reyes

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date: 12-8-20

Signature: Amber Groves

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date: 12-8-20

Signature: David Jett



TRANSPORTER'S MANIFEST

SHIPPERS FACILITY NAME & ADDRESS:

Plains Pipeline, L.P.
10 Desta Drive, Suite 550E
Midland, TX 79705

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil
Volume: _____

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name: Alexandria Reyes
Date: 12-8-20
Driver's Signature: Alexandria Reyes

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date: _____
Signature: Amber Groves

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date: 12-8-20
Signature: David J...

**TRANSPORTER'S MANIFEST****SHIPPERS FACILITY NAME & ADDRESS:**

Plains Pipeline, L.P.
10 Desta Drive, Suite 550E
Midland, TX 79705

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil

Volume: 12

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name: Gil Martinez

Date: 12-8-20

Driver's Signature: [Signature]

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date: [Signature]

Signature: [Signature]

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date: 12-8-20

Signature: [Signature]

3:04
de**TRANSPORTER'S MANIFEST****SHIPPERS FACILITY NAME & ADDRESS:**

Plains Pipeline, L.P.
1106 Griffith Drive
Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil

Volume: 12 yards

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name: Jose A Reyes
Date: 12-9-20
Driver's Signature: Jose A. Reyes

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date: 12/09/20
Signature: Amber Groves

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date: 12-9-20
Signature: David Jett

02
3:06**TRANSPORTER'S MANIFEST****SHIPPERS FACILITY NAME & ADDRESS:**

Plains Pipeline, L.P.
1106 Griffith Drive
Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil

Volume: 12 yards

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name: Alexandra Reyes

Date: 12-9-20

Driver's Signature: Alexandra Reyes

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date: 12/09/20

Signature: Amber Groves

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date: 12-9-20

Signature: Caril Jett

101
3:00



TRANSPORTER'S MANIFEST

SHIPPERS FACILITY NAME & ADDRESS:

Plains Pipeline, L.P.
1106 Griffith Drive
Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil

Volume: 12 yards

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name: Gil Martinez

Date: 12-9-20

Driver's Signature: [Signature]

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date: 12/09/20

Signature: [Signature]

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date: 12-9-20

Signature: [Signature]

316
364**DEAN****TRANSPORTER'S MANIFEST****SHIPPERS FACILITY NAME & ADDRESS:**

Plains Pipeline, L.P.
1106 Griffith Drive
Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil

Volume:

12 yards

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name:

Carlos Martinez

Date:

12-9-20

Driver's Signature:

C. Martinez

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date:

12/09/20

Signature:

Amber Groves

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date:

12-9-20

Signature:

David Jett

Back at 12:00pm

12:22pm last truck

DEAN

12:13 first Truck

TRANSPORTER'S MANIFEST**SHIPPERS FACILITY NAME & ADDRESS:**

Plains Pipeline, L.P.
 1106 Griffith Drive
 Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
 ULT N, Section 33, Township 25S, Range 37E
 32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil

Volume: 12 yards

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name: Jose A. Reyes

Date: 12-9-20

Driver's Signature: Jose A. Reyes

FACILITY CONTACT:

Amber Groves
 Plains Marketing
 1911 Connie
 Midland, TX 79705

Date: 12/09/20

Signature: Amber Groves

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
 PO Box 356, Hobbs, NM 88241

Date: 12-9-20

Signature: David JH

**TRANSPORTER'S MANIFEST****SHIPPERS FACILITY NAME & ADDRESS:**

Plains Pipeline, L.P.
1106 Griffith Drive
Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil

Volume: 12 yards

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name: G. J. Martinez
Date: 12-9-20
Driver's Signature: [Signature]

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date: 12/09/20
Signature: [Signature]

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date: 12-9-20
Signature: [Signature]

**TRANSPORTER'S MANIFEST****SHIPPERS FACILITY NAME & ADDRESS:**

Plains Pipeline, L.P.
1106 Griffith Drive
Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil

Volume: 12 yards

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name: Alexandra Reyes

Date: 12-9-20

Driver's Signature: Alexandra Reyes

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date: 12/09/20

Signature: Amber Groves

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date: 12-9-20

Signature: David Pitt

**TRANSPORTER'S MANIFEST****SHIPPERS FACILITY NAME & ADDRESS:**

Plains Pipeline, L.P.
1106 Griffith Drive
Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil

Volume: 12 yards

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name: Carlos Martinez
Date: 12-9-20
Driver's Signature: C. Martinez

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date: 12/09/20
Signature: Amber Groves

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date: 12-9-20
Signature: David Holt

**TRANSPORTER'S MANIFEST****SHIPPERS FACILITY NAME & ADDRESS:**

Plains Pipeline, L.P.
1106 Griffith Drive
Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil

Volume: 12 yards

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name: Alyandro Reyes

Date: 12-9-20

Driver's Signature: Alyandro Reyes

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date: 12/09/20

Signature: Amber Groves

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date: 12-9-20

Signature: Griffith

**TRANSPORTER'S MANIFEST****SHIPPERS FACILITY NAME & ADDRESS:**

Plains Pipeline, L.P.
1106 Griffith Drive
Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil

Volume: 12 yards

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name: Gil Martinez
Date: 12-9-20
Driver's Signature: mm

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date: 12/09/20
Signature: Amber Groves

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date: 12-9-20
Signature: David Jett

**TRANSPORTER'S MANIFEST****SHIPPERS FACILITY NAME & ADDRESS:**

Plains Pipeline, L.P.

1106 Griffith Drive

Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231

ULT N, Section 33, Township 25S, Range 37E

32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil

Volume:

12 yards**TRANSPORTERS NAME & ADDRESS:**

No Bull Services

Driver's Name: Jose A. ReyesDate: 12-9-20Driver's Signature: Jose A. Reyes**FACILITY CONTACT:**

Amber Groves

Plains Marketing

1911 Connie

Midland, TX 79705

Date:

12/09/20

Signature:

Amber Groves**DISPOSAL FACILITY:**

J&L Landfarm Inc OCD#NM 01-0023

PO Box 356, Hobbs, NM 88241

Date:

12-9-20

Signature:

David Jett



TRANSPORTER'S MANIFEST

SHIPPERS FACILITY NAME & ADDRESS:

Plains Pipeline, L.P.
1106 Griffith Drive
Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil

Volume:

12 yards

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name: Jose A. Reyes

Date: 10-9-20

Driver's Signature: Jose A. Reyes

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date:

12/10/20

Signature:

Amber Groves

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date:

12-10-20

Signature:

Jose A. Reyes



TRANSPORTER'S MANIFEST

SHIPPERS FACILITY NAME & ADDRESS:

Plains Pipeline, L.P.
1106 Griffith Drive
Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil

Volume:

12 yards

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name: Carlos Martinez

Date: 12-10-20

Driver's Signature: [Signature]

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date:

12/10/20

Signature:

[Signature]

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date:

12-10-20

Signature:

[Signature]

348 yds
total



TRANSPORTER'S MANIFEST

SHIPPERS FACILITY NAME & ADDRESS:

Plains Pipeline, L.P.
1106 Griffith Drive
Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil

Volume:

12 yards

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name:

Alejandro Reyes

Date:

12-10-20

Driver's Signature:

Alejandro Reyes

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date:

12/10/20

Signature:

Amber Groves

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date:

12-10-20

Signature:

David J. H.



TRANSPORTER'S MANIFEST

SHIPPERS FACILITY NAME & ADDRESS:

Plains Pipeline, L.P.
1106 Griffith Drive
Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil

Volume: 12 yards

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name: Gil Martinez
Date: 12-10-20
Driver's Signature: [Signature]

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date: 12/10/20
Signature: [Signature]

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date: 12-10-20
Signature: [Signature]



TRANSPORTER'S MANIFEST

SHIPPERS FACILITY NAME & ADDRESS:

Plains Pipeline, L.P.
1106 Griffith Drive
Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil

Volume: 12 yards

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name: Jose A. Reyes

Date: 12-10-20

Driver's Signature: Jose A. Reyes

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date: 12/10/20

Signature: Amber Groves

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date: 12-10-20

Signature: David J. H.



TRANSPORTER'S MANIFEST

SHIPPERS FACILITY NAME & ADDRESS:

Plains Pipeline, L.P.
1106 Griffith Drive
Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil

Volume: 12 yards

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name: Gil Martinez
Date: 12-10-20
Driver's Signature: [Signature]

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date: 12/10/20
Signature: [Signature]

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date: 12-10-20
Signature: [Signature]

364
8:10pm**DEAN****TRANSPORTER'S MANIFEST****SHIPPERS FACILITY NAME & ADDRESS:**

Plains Pipeline, L.P.
1106 Griffith Drive
Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil

Volume: 12 yards

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name: Carlos Martinez
Date: 12-10-20
Driver's Signature: C. Martinez

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date: 12/10/20
Signature: Amber Groves

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date: 12-10-20
Signature: David J. [Signature]

2:52
GM
10/**DEAN****TRANSPORTER'S MANIFEST****SHIPPERS FACILITY NAME & ADDRESS:**

Plains Pipeline, L.P.
1106 Griffith Drive
Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil
Volume: 12 yards

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name: Gil Martinez
Date: 12-10-20
Driver's Signature: gm

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date: 12/10/20
Signature: Amber Groves

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date: 12-10-20
Signature: Garib Jett

02
Reyes
2:55**DEAN****TRANSPORTER'S MANIFEST****SHIPPERS FACILITY NAME & ADDRESS:**

Plains Pipeline, L.P.
1106 Griffith Drive
Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil

Volume: 20 yards

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name: Alejandro Reyes

Date: 12-10-20

Driver's Signature: _____

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date: 12/10/20

Signature: Amber Groves

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date: 12-10-20

Signature: David [Signature]

Pages
06
2:40



TRANSPORTER'S MANIFEST

SHIPPERS FACILITY NAME & ADDRESS:

Plains Pipeline, L.P.
1106 Griffith Drive
Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil

Volume: 12 yards

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name: Jose A. Reyes

Date: 10-9-20

Driver's Signature: Jose A. Reyes

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date: 12/10/20

Signature: Amber Groves

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date: 12-10-20

Signature: Samuel J. [Signature]

**TRANSPORTER'S MANIFEST****SHIPPERS FACILITY NAME & ADDRESS:**

Plains Pipeline, L.P.
1106 Griffith Drive
Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil

Volume: 12 yards

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name: Alejandro Reyer

Date: 12-10-20

Driver's Signature: Alejandro Reyer

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date: Amber Groves

Signature: Amber Groves

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date: 12-10-20

Signature: David J. J.



TRANSPORTER'S MANIFEST

SHIPPERS FACILITY NAME & ADDRESS:

Plains Pipeline, L.P.
1106 Griffith Drive
Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil

Volume: 12 yards

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name: Carlos Martinez
Date: 12-10-20
Driver's Signature: C. Martinez

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date: 12/10/20
Signature: Amber Groves

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date: 12-10-20
Signature: David Jett

3:00

**TRANSPORTER'S MANIFEST****SHIPPERS FACILITY NAME & ADDRESS:**

Plains Pipeline, L.P.
1106 Griffith Drive
Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil

Volume: 12 yards

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name: Gil Martinez

Date: 12-10-20

Driver's Signature: [Signature]

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date: 12/11/20

Signature: [Signature]

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date: 12-11-20

Signature: [Signature]

**TRANSPORTER'S MANIFEST****SHIPPERS FACILITY NAME & ADDRESS:**

Plains Pipeline, L.P.
1106 Griffith Drive
Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil

Volume: 12 yards

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name: Alejandro Reyes

Date: 12-11-20

Driver's Signature: Alejandro Reyes

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date: 12/11/20

Signature: Amber Groves

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date: 12-11-20

Signature: David Jost

**TRANSPORTER'S MANIFEST****SHIPPERS FACILITY NAME & ADDRESS:**

Plains Pipeline, L.P.
1106 Griffith Drive
Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil

Volume: 12 yards

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name: Carlos Martinez

Date: 12-11-20

Driver's Signature: [Signature]

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date: 12/11/20

Signature: [Signature]

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date: 12-11-20

Signature: [Signature]

**TRANSPORTER'S MANIFEST****SHIPPERS FACILITY NAME & ADDRESS:**

Plains Pipeline, L.P.
1106 Griffith Drive
Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil
Volume: 12 yards

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name: Jose A Reyes
Date: 12-11-20
Driver's Signature: [Signature]

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date: 12/11/20
Signature: [Signature]

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date: 12-11-20
Signature: [Signature]

**TRANSPORTER'S MANIFEST****SHIPPERS FACILITY NAME & ADDRESS:**

Plains Pipeline, L.P.
1106 Griffith Drive
Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil

Volume:

12 yards

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name:

Gil Martinez

Date:

12-18-20

Driver's Signature:

[Signature]

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date:

12/11/20

Signature:

[Signature]

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date:

12-11-20

Signature:

[Signature]

**TRANSPORTER'S MANIFEST****SHIPPERS FACILITY NAME & ADDRESS:**

Plains Pipeline, L.P.
1106 Griffith Drive
Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil

Volume: 12 yards

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name: Carlos Martinez

Date: 12-11-20

Driver's Signature: C Martinez

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date: 12/11/20

Signature: Amber Groves

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date: 12-11-20

Signature: David J. J. J.

**TRANSPORTER'S MANIFEST****SHIPPERS FACILITY NAME & ADDRESS:**

Plains Pipeline, L.P.
1106 Griffith Drive
Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil

Volume: 12 yards

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name: Gil Martinez
Date: 12-11-20
Driver's Signature: [Signature]

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date: 12/11/20
Signature: [Signature]

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date: 12-11-20
Signature: [Signature]

**TRANSPORTER'S MANIFEST****SHIPPERS FACILITY NAME & ADDRESS:**

Plains Pipeline, L.P.
1106 Griffith Drive
Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil

Volume: 12 yards

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name: Jose A. Reyes

Date: 12-11-20

Driver's Signature: Jose A. Reyes

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date: 12/11/20

Signature: Amber Groves

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date: 12-11-20

Signature: David J. Jett

**TRANSPORTER'S MANIFEST****SHIPPERS FACILITY NAME & ADDRESS:**

Plains Pipeline, L.P.
1106 Griffith Drive
Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil

Volume: 12 yards

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name: Alexandro Reyes
Date: 12-10-20
Driver's Signature: Alexandro Reyes

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date: 12/11/20
Signature: Amber Groves

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date: 12-11-20
Signature: [Signature]



TRANSPORTER'S MANIFEST

SHIPPER'S FACILITY NAME & ADDRESS:

Plains Pipeline, L.P.
1106 Griffith Drive
Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil
Volume: 12 yards

TRANSPORTER'S NAME & ADDRESS:

No Bull Services

Driver's Name: Jose A. Reyes
Date: 12-11-20
Driver's Signature: [Signature]

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date: 12/11/20
Signature: [Signature]

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date: 12-11-20
Signature: [Signature]



TRANSPORTER'S MANIFEST

SHIPPER'S FACILITY NAME & ADDRESS:

Plains Pipeline, L.P.
1106 Griffith Drive
Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil

Volume: 25 yds

TRANSPORTER'S NAME & ADDRESS:

No Bull Services

Driver's Name: Carlos Martinez

Date: 12-11-20

Driver's Signature: C. Martinez

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date: 12/11/20

Signature: Amber Groves

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date: 12-11-20

Signature: David J. Jett

**TRANSPORTER'S MANIFEST****SHIPPERS FACILITY NAME & ADDRESS:**

Plains Pipeline, L.P.
1106 Griffith Drive
Midland, TX 79706

LOCATION OF MATERIAL:

Plains, Jal Station Tank 1231
ULT N, Section 33, Township 25S, Range 37E
32.080589, -103.179728

DESCRIPTION OF WASTE:

Non-Hazardous Hydrocarbon impacted soil

Volume: 12,000 lbs

TRANSPORTERS NAME & ADDRESS:

No Bull Services

Driver's Name: Alfonso Reyes

Date: 12-11-20

Driver's Signature: Alfonso Reyes

FACILITY CONTACT:

Amber Groves
Plains Marketing
1911 Connie
Midland, TX 79705

Date: 12/11/20

Signature: Amber Groves

DISPOSAL FACILITY:

J&L Landfarm Inc OCD#NM 01-0023
PO Box 356, Hobbs, NM 88241

Date: 12-11-20

Signature: David Jett

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
District IV
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 18143

CONDITIONS

Operator: PLAINS MARKETING L.P. 333 Clay St, Ste 1600 Houston, TX 77002	OGRID: 34053
	Action Number: 18143
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bbillings	Approved for closure with variance.	1/24/2022