2024 Annual Groundwater Monitoring Report

Plains All American Pipeline, LP
Livingston Line – Bob McCasland
Lea County, New Mexico
Unit Letter "K", Section 3, Township 21 South, Range 37 East
Latitude 32.504135° North, Longitude 103.151345° West
Plains SRS #: 2001-11226
NMOCD Reference #: 1RP-0395
NMOCD Incident ID #: nAPP2109736613

Prepared By:

Etech Environmental & Safety Solutions, Inc.
6309 Indiana Ave, Ste. D
Lubbock, Texas 79413

Kimble Thrash

Ben J. Arguijo

Joel Lowry

ETECH Environmental & Safety Solutions, Inc.

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1.0 INTRODUCTION & SITE DESCRIPTION

Etech Environmental & Safety Solutions (Etech), on behalf of Plains All American Pipeline, LP (Plains), has prepared this *2024 Annual Groundwater Monitoring Report* for the Livingston Line – Bob McCasland release site in accordance with the New Mexico Oil Conservation Division (NMOCD) letter of May 1998, requiring submittal of an Annual Monitoring Report by April 1 of each year.

The legal description of the Livingston Line – Bob McCasland release site is Unit Letter "K" (NE/SW), Section 3, Township 21 South, Range 37 East, in Lea County, New Mexico. The property affected by the release is owned by Mr. Bob McCasland. The geographic coordinates of the release site are 32.504135º North latitude and 103.151345º West longitude. A "Site Location Map" is provided as Figure 1.

2.0 BACKGROUND INFORMATION

Based on information provided by the client, on July 13, 2001, an estimated release of four (4) barrels (bbls) of crude oil was reported to the NMOCD. The release covered an area of approximately 1,600 square feet (ft^2) along a pipeline right-of-way and an adjacent caliche road. Initial excavation activities were conducted by a third-party environmental contractor in an effort to stockpile saturated soils and expose the release source to facilitate repair of the pipeline. The pipeline excavation activities continued into December 2001. A total of approximately 11,445 cubic yards (yd^3) of hydrocarbon-impacted soil were excavated and stockpiled at the site. Earthen berms were constructed around the stockpiles to prevent constituent runoff. Analytical results for soil samples collected from the excavation indicated that benzene, toluene, ethylbenzene, and total xylenes (BTEX) concentrations were above NMOCD remedial threshold limits. A *Soil Characterization Report and Remediation Plan Report*, dated June 2006, was submitted to the NMOCD. This report detailed remediation activities conducted at the site, in-place soil concentrations, and recommendations for in-situ hydrocarbon-impacted soil closure.

Investigation activities were conducted from August 16 through 22, 2001, which included the advancement of 17 exploratory soil borings. During this time, it was determined groundwater had been impacted at approximately 30 feet below ground surface (bgs). Based on these field observations, three (3) groundwater monitor wells (MW-1, MW-2, and MW-3) were installed proximate to the release area to evaluate the extent and magnitude of the release. Groundwater samples collected from the groundwater monitor wells exhibited concentrations of BTEX constituents above applicable New Mexico Water Quality Control Commission (NMWQCC) Groundwater Standards. Subsequently, three (3) additional monitor wells (MW-4, MW-5, and MW-6) were installed at the site. A measurable thickness of phase-separated hydrocarbons (PSH) was detected in monitor well MW-4 following installation.

To delineate the lateral extent of groundwater impact at the site, three (3) additional monitor wells (MW-7, MW-8 and MW-9) were installed in June 2004. Two (2) additional monitor wells (MW-10 and MW-11) were installed in November 2004. During installation of these monitor wells, soil samples were collected and submitted to AnalySys, Inc., in Austin, Texas, for analysis of total petroleum hydrocarbons (TPH) and BTEX constituents. BTEX constituents for all soil samples from the monitor wells were below NMOCD remedial threshold limits. TPH concentrations from

soil samples collected from monitor wells MW-7, MW-10, and MW-11 were at or below appropriate laboratory analytical method detection limits (MDLs).

In February 2023, Etech, at the request of Plains, assumed project management and oversight responsibilities for groundwater remediation activities at the Livingston Line – Bob McCasland site.

Currently, there are a total of 11 monitor wells (MW-1 through MW-11) on-site. Monitor wells MW-2, MW-3, MW-5, and MW-6 are gauged and sampled on a quarterly schedule. Monitor wells MW-7, MW-8, MW-10, and MW-11 are gauged and sampled on an annual basis. Monitor well MW-1 is not sampled as it has been gauged as "dry". Monitor well MW-4 is currently not sampled due to the presence of PSH. Monitor well MW-9 is gauged on a quarterly basis and sampled if it exhibits sufficient volume and recharge.

3.0 FIELD ACTIVITIES

3.1 Groundwater Remediation Activities

A measurable thickness of PSH was detected in monitor well MW-4 following installation. Manual recovery of PSH and hydrocarbon-impacted groundwater from MW-4 commenced in 2018. Manual recovery of dissolved-phase hydrocarbon impacted groundwater from monitor well MW-5 commenced in May 2019. A summary of manual groundwater recovery from the wells through December 2023 is provided in the *2023 Annual Groundwater Monitoring Report*. Monthly gauging and manual recovery events were conducted during the first quarter of the 2024 reporting period.

Monthly Aggressive Fluid Recovery (AFR) events were conducted on monitor wells MW-4 and MW-5 throughout the 2024 monitoring period in an effort to control the down- and cross-gradient migration of the dissolved-phase plume. During the AFR events, a hose is lowered into a well's fluid column and connected to a vacuum truck to recover both groundwater impacted with dissolved-phase hydrocarbons and/or PSH. Due to the nature of the recovery method used, it is not possible to accurately determine the exact quantity of PSH recovered.

For monitor well MW-4, an estimated 1,890 gallons (45.0 bbls) of hydrocarbon-impacted groundwater was recovered during the reporting period via a combination of manual recovery and AFR. The average PSH thickness measured in MW-4 during the reporting period was 1.09 feet.

For monitor well MW-5, an estimated 2,024 gallons (48.2 bbls) of hydrocarbon-impacted groundwater was recovered during the reporting period via a combination of manual recovery and AFR. No PSH was detected in MW-5 during the reporting period.

An approximate total of 3,914 gallons (93.2 bbls) of hydrocarbon-impacted groundwater were recovered from the site during 2024 via a combination of manual recovery and AFR. A total of approximately 4,164 gallons (99.1 bbls) of impacted groundwater have been recovered during AFR events since 2023.

All recovered fluids were disposed of at an NMOCD-approved disposal facility.

Summaries of groundwater recovery volumes and PSH thickness are provided in Tables 3 and 4.

3.2 Groundwater Monitoring

Groundwater monitoring events were conducted on March 14 (1Q2024), June 19 (2Q2024), September 17 and 18 (3Q2024), and December 11 and 12, 2024 (4Q2024). The groundwater monitoring events consisted of measuring static water levels in the on-site monitor wells (MW-1 through MW-11), checking for the presence of PSH, and purging and sampling of each well exhibiting sufficient recharge. Purged water was disposed of at an NMOCD-approved disposal facility.

Groundwater samples were collected utilizing low-flow sampling equipment, including a bladder pump and multi-parameter meter. Prior to sample collection, readings on the multi-parameter meter were recorded for a minimum of four (4) cycles of five (5) minutes each. Each groundwater sample collected was placed in laboratory-supplied containers appropriate to the analysis requested and placed on ice in a cooler.

Locations of the groundwater monitor wells and the inferred groundwater elevations, which were constructed from measurements collected during the 2024 quarterly sampling events, are depicted in Figures 2A through 2D. The maps indicate an average groundwater gradient between 0.003 and 0.004 feet/foot to the east-southeast across the site. Groundwater elevation and PSH thickness data are summarized in Table 1.

Based on sampling criteria provided by the NMOCD, none of the on-site monitor wells were subject to monitoring for polycyclic aromatic hydrocarbons (PAH) during the reporting period.

4.0 LABORATORY RESULTS

Groundwater samples collected from the on-site monitor wells during the quarterly monitoring events were delivered to Permian Basin Environmental Lab (PBEL) and/or Pace Analytical, in Midland, Texas, for determination of BTEX constituent concentrations by Environmental Protection Agency (EPA) Method SW846-8021b. A summary of laboratory analytical results is presented in Table 2. Groundwater concentration maps are provided as Figures 3A through 3D. Laboratory analytical reports are provided as Appendix A.

Laboratory analytical results were compared to NMOCD regulatory limits based on the New Mexico groundwater standards found in Section 20.6.2.3103 of the New Mexico Administrative Code (NMAC).

Monitor Well MW-1

Monitor well MW-1 gauged dry and was not able to be sampled during the reporting period.

Monitor Well MW-2

Laboratory analytical results indicated that BTEX constituent concentrations were less than the appropriate laboratory MDL and less than NMOCD regulatory standards in each of the submitted groundwater samples.

Monitor Well MW-3

Laboratory analytical results indicated that BTEX constituent concentrations were less than the appropriate laboratory MDL and less than NMOCD regulatory standards in each of the submitted groundwater samples.

Monitor Well MW-4

Monitor well MW-4 was not sampled during the reporting period due to the presence of PSH.

Monitor Well MW-5

Laboratory analytical results indicated that BTEX constituent concentrations were less than the appropriate laboratory MDL and less than NMOCD regulatory standards in each of the submitted groundwater samples.

Monitor Well MW-6

Laboratory analytical results indicated that BTEX constituent concentrations were less than the appropriate laboratory MDL and less than NMOCD regulatory standards in each of the submitted groundwater samples.

Monitor Well MW-7

Laboratory analytical results indicated that BTEX constituent concentrations were less than the appropriate laboratory MDL and less than NMOCD regulatory standards in each of the submitted groundwater samples.

Monitor Well MW-8

Laboratory analytical results indicated that BTEX constituent concentrations were less than the appropriate laboratory MDL and less than NMOCD regulatory standards in each of the submitted groundwater samples.

Monitor Well MW-9

Monitor well MW-9 exhibited insufficient well volume/recharge and was not able to be sampled during 1Q2024 and 2Q2024. Laboratory analytical results indicated that BTEX constituent concentrations were less than the appropriate laboratory MDL and less than NMOCD regulatory standards in 3Q2024 and 4Q2024.

Monitor Well MW-10

Laboratory analytical results indicated that BTEX constituent concentrations were less than the appropriate laboratory MDL and less than NMOCD regulatory standards in each of the submitted groundwater samples.

Monitor Well MW-11

Laboratory analytical results indicated that BTEX constituent concentrations were less than the appropriate laboratory MDL and less than NMOCD regulatory standards in each of the submitted groundwater samples.

5.0 SUMMARY

This report presents the results of groundwater monitoring activities for the 2024 annual monitoring period. Currently, there are 11 groundwater monitor wells (MW-1 through MW-11) on-site.

A measurable thickness of PSH was detected in monitor well MW-4 throughout the 2024 reporting period. The average PSH thickness measured in MW-4 was 1.09 feet.

An approximate total of 3,914 gallons (93.2 bbls) of hydrocarbon-impacted groundwater were recovered from the site during 2024 via a combination of manual recovery and AFR. A total of approximately 4,164 gallons (99.1 bbls) of impacted groundwater have been recovered during AFR events since 2023.

Groundwater monitoring events were conducted on March 14 (1Q2024), June 19 (2Q2024), September 17 and 18 (3Q2024), and December 11 and 12, 2024 (4Q2024). Monitor wells MW-2, MW-3, MW-5, and MW-6 were gauged and sampled during all four (4) quarters of the monitoring period. Monitor wells MW-7, MW-8, MW-10, and MW-11 were sampled during 1Q2024 and 3Q2024. Monitor well MW-1 gauged dry and was not able to be sampled during the reporting period. Monitor well MW-4 was not sampled due to the presence of PSH. Monitor well MW-9 was not able to be sampled during 1Q2024 and 2Q2024 due to insufficient well volume/recharge. However, the well was sampled during 3Q2024 and 4Q2024.

Review of laboratory analytical results from groundwater samples collected during the reporting period indicated that BTEX constituent concentrations were less than NMOCD regulatory standards in all submitted groundwater samples.

None of the on-site monitor wells were subject to PAH monitoring during the reporting period.

Groundwater gauging data collected during the monitoring period indicates an average groundwater gradient of 0.003 to 0.004 feet/foot to the east-southeast across the site.

6.0 ANTICIPATED ACTIONS

Monitor wells MW-7, MW-8, MW-10, and MW-11 will continue to be gauged and sampled on an annual basis. Monitor wells MW-1 and MW-9 will continue to be gauged on a quarterly basis and sampled if the monitor wells exhibit sufficient volume/recharge.

Since monitor wells MW-2, MW-3, MW-5, and MW-6 have exhibited eight (8) or more consecutive quarters with no concentrations of BTEX constituents above NMOCD regulatory standards, the sampling frequency for these wells can safely be reduced from quarterly to semi-annually (i.e., twice per year).

Monthly AFR will continue from monitor well MW-4 in an effort to control the down-gradient migration of the free-phase plume.

Since monitor well MW-5 is cross-gradient of the free-phase plume and has exhibited eight (8) or more consecutive quarters with no concentrations of BTEX constituents above NMOCD regulatory standards, no additional groundwater recovery will be conducted from the well.

Results of the 2025 sampling and recovery events will be reported in the *2025 Annual Groundwater Monitoring Report*, which will be submitted to the NMOCD by April 1, 2026.

7.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this *2024 Annual Groundwater Monitoring Report* to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Etech has not conducted an independent examination of the facts contained in referenced materials and statements. Etech has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Etech has prepared the report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Etech notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Plains All American Pipeline, LP. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of Etech and/or Plains All American Pipeline, LP.

8.0 DISTRIBUTION

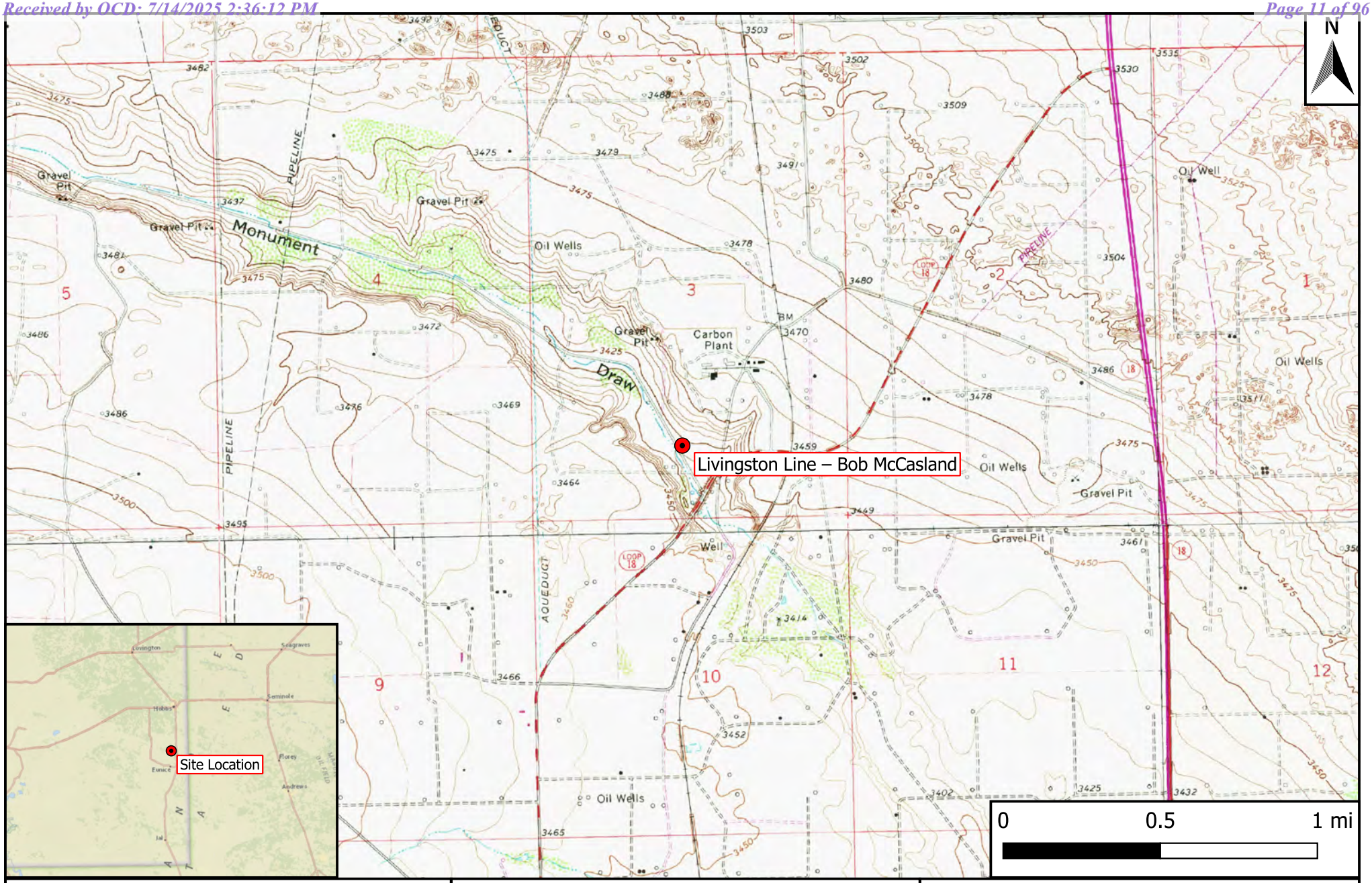
Plains All American Pipeline, LP
1106 Griffith Drive
Midland, Texas 79706

Nelson Velez
Environmental Specialist - Advanced
New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, NM 87410

Karolanne Hudgens
Plains All American Pipeline, LP
333 Clay Street, Suite 1600
Houston, Texas 77002

(Electronic Submission)

Figure 1
Site Location Map



Legend

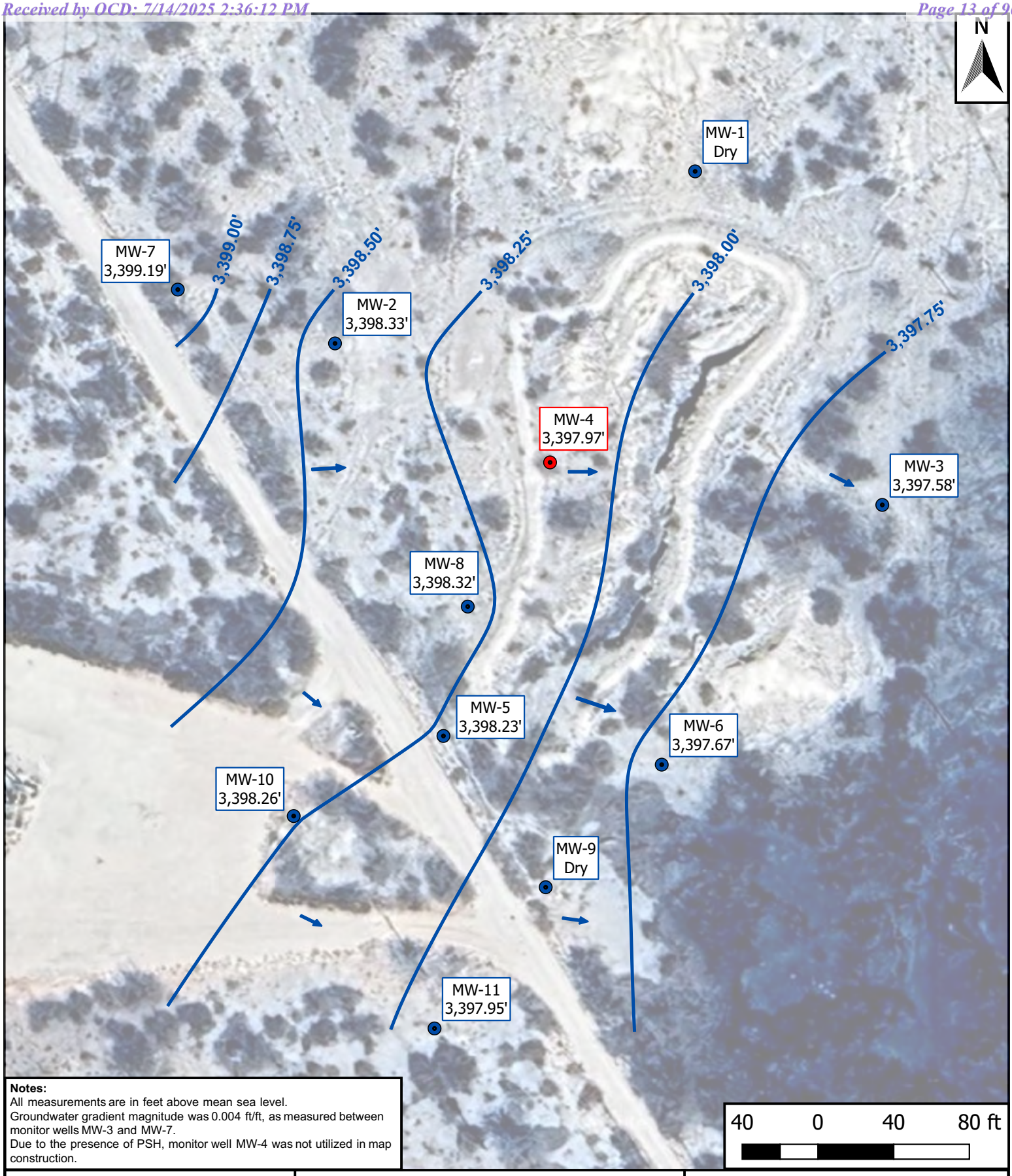
- Site Location

Figure 1
Site Location Map
Plains All American Pipeline, LP
Livingston Line – Bob McCasland
GPS: 32.504135,-103.151345
Lea County, New Mexico

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 3/13/25

Figures 2A–2D
Inferred Groundwater Gradient Maps



Notes:
All measurements are in feet above mean sea level.
Groundwater gradient magnitude was 0.004 ft/ft, as measured between monitor wells MW-3 and MW-7.
Due to the presence of PSH, monitor well MW-4 was not utilized in map construction.

Legend
- Monitor Well (MW)
- Recovery Well
- Groundwater Elevation Contour (ft)
- Groundwater Gradient/Magnitude

Figure 2A
Inferred Groundwater Gradient Map – 1Q2024
Plains All American Pipeline, LP
Livingston Line – Bob McCasland
GPS: 32.504135, -103.151345
Lea County, New Mexico

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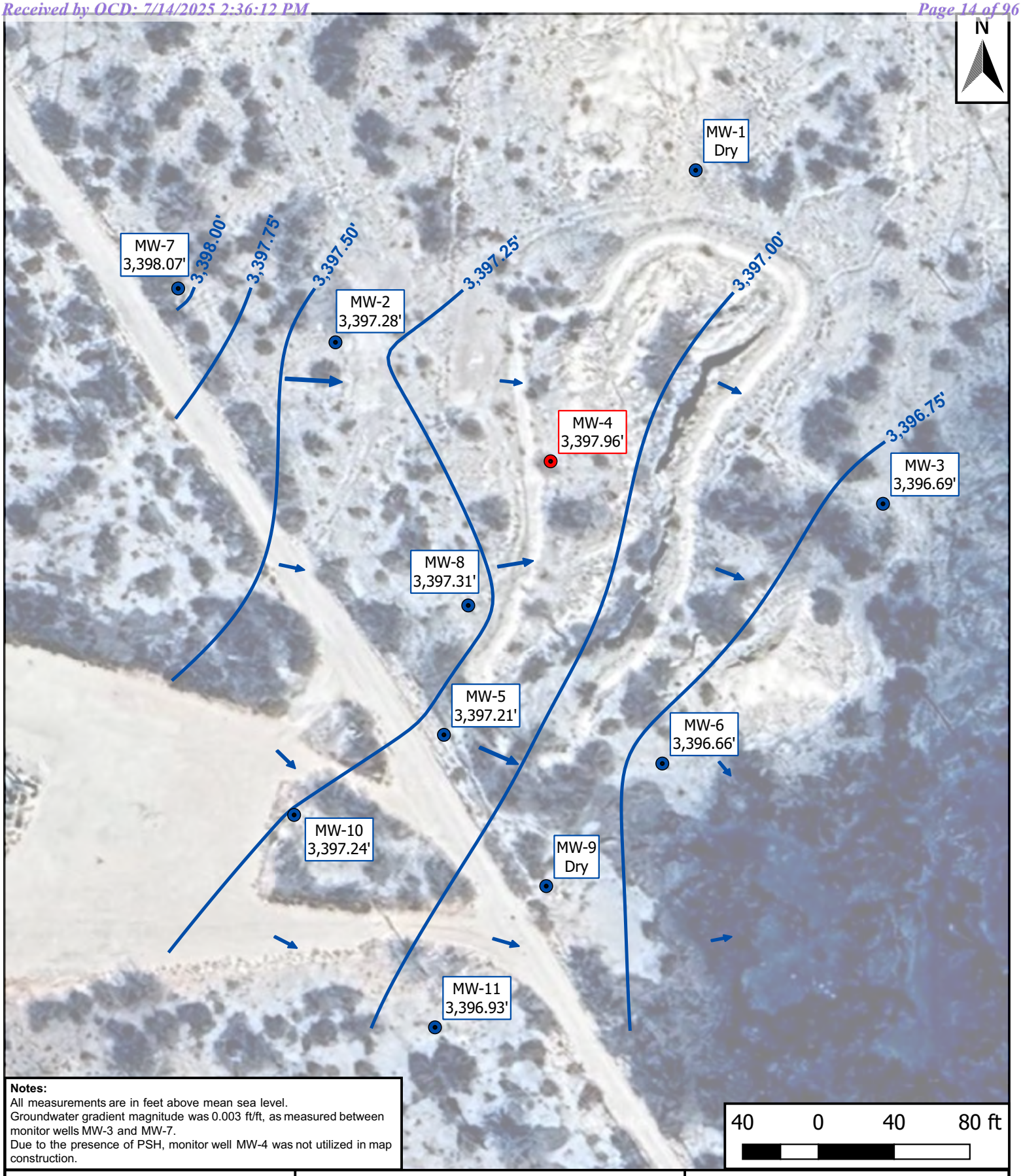

Notes:
All measurements are in feet above mean sea level.
Groundwater gradient magnitude was 0.003 ft/ft, as measured between monitor wells MW-3 and MW-7.
Due to the presence of PSH, monitor well MW-4 was not utilized in map construction.

Legend
- Monitor Well
- Recovery Well
- Groundwater Elevation Contour (ft)
- Groundwater Gradient/Magnitude

Figure 2B
Inferred Groundwater Gradient Map – 2Q2024
Plains All American Pipeline, LP
Livingston Line – Bob McCasland
GPS: 32.504135, -103.151345
Lea County, New Mexico

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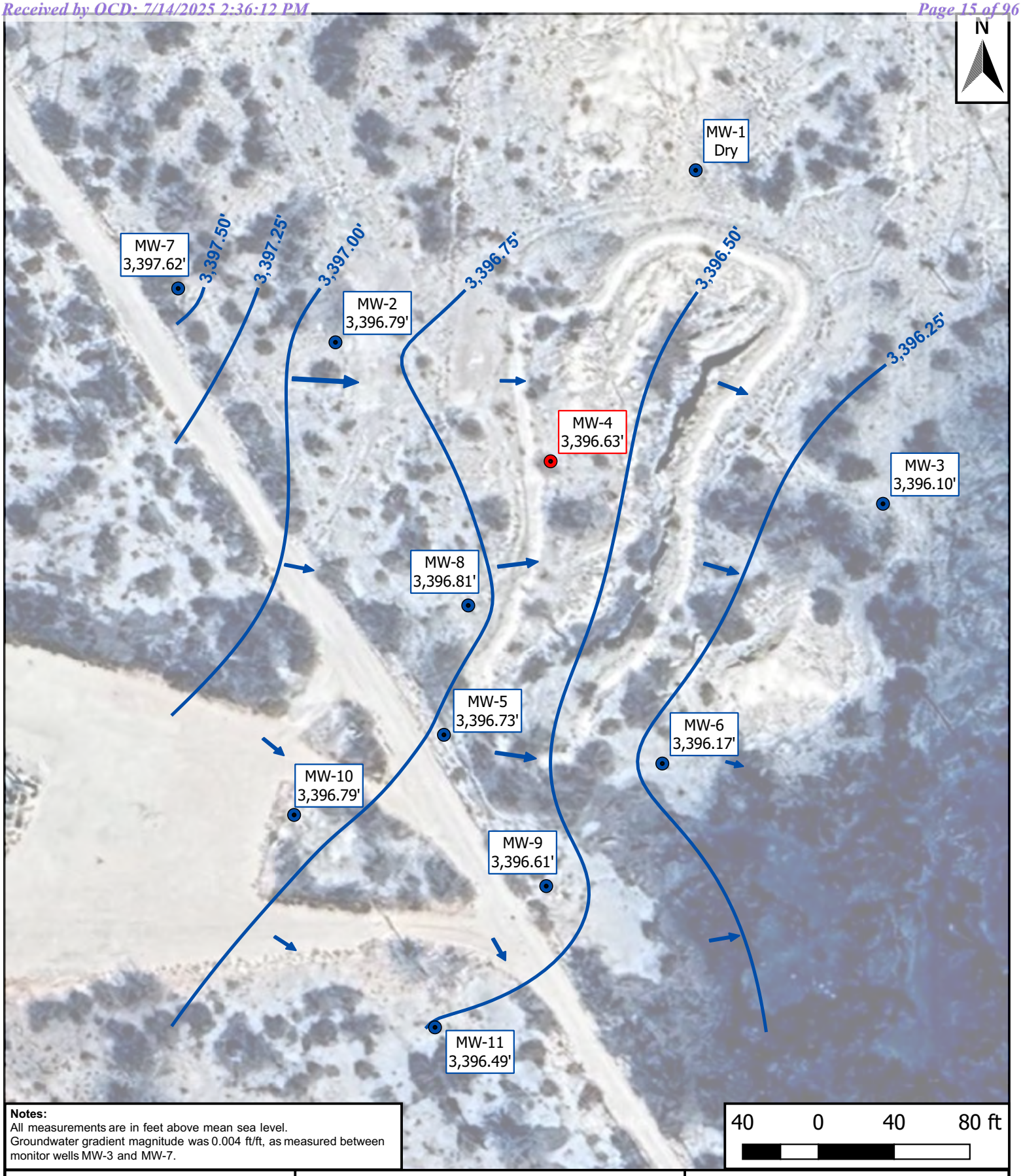

Notes:
All measurements are in feet above mean sea level.
Groundwater gradient magnitude was 0.004 ft/ft, as measured between monitor wells MW-3 and MW-7.

Legend

- Monitor Well
- Recovery Well
- Groundwater Elevation Contour (ft)
- Groundwater Gradient/Magnitude

Figure 2C
Inferred Groundwater Gradient Map – 3Q2024
Plains All American Pipeline, LP
Livingston Line – Bob McCasland
GPS: 32.504135, -103.151345
Lea County, New Mexico

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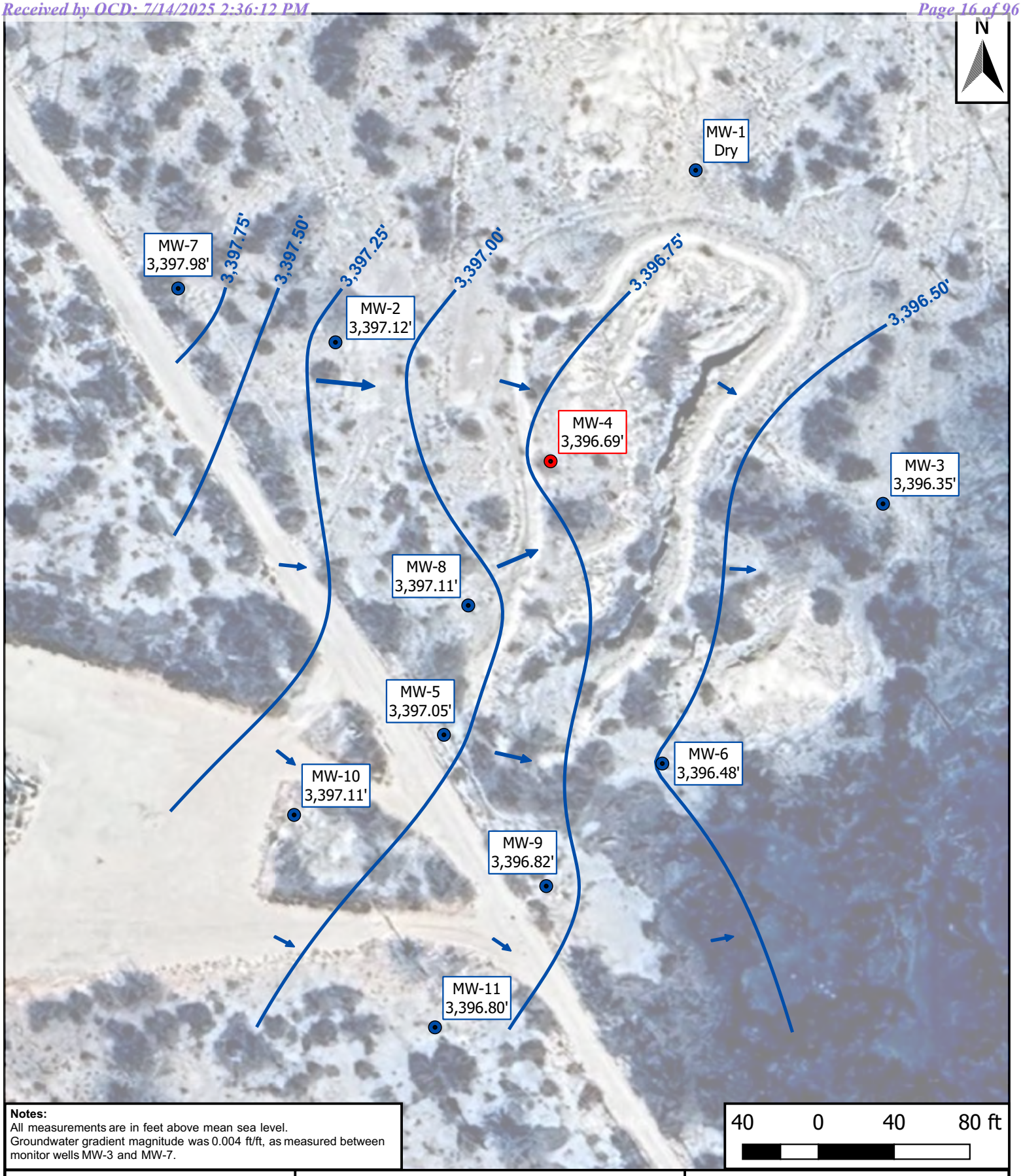

Notes:
All measurements are in feet above mean sea level.
Groundwater gradient magnitude was 0.004 ft/ft, as measured between monitor wells MW-3 and MW-7.

Legend
- Monitor Well
- Recovery Well
- Groundwater Elevation Contour (ft)
- Groundwater Gradient/Magnitude

Figure 2D
Inferred Groundwater Gradient Map – 4Q2024
Plains All American Pipeline, LP
Livingston Line – Bob McCasland
GPS: 32.504135, -103.151345
Lea County, New Mexico

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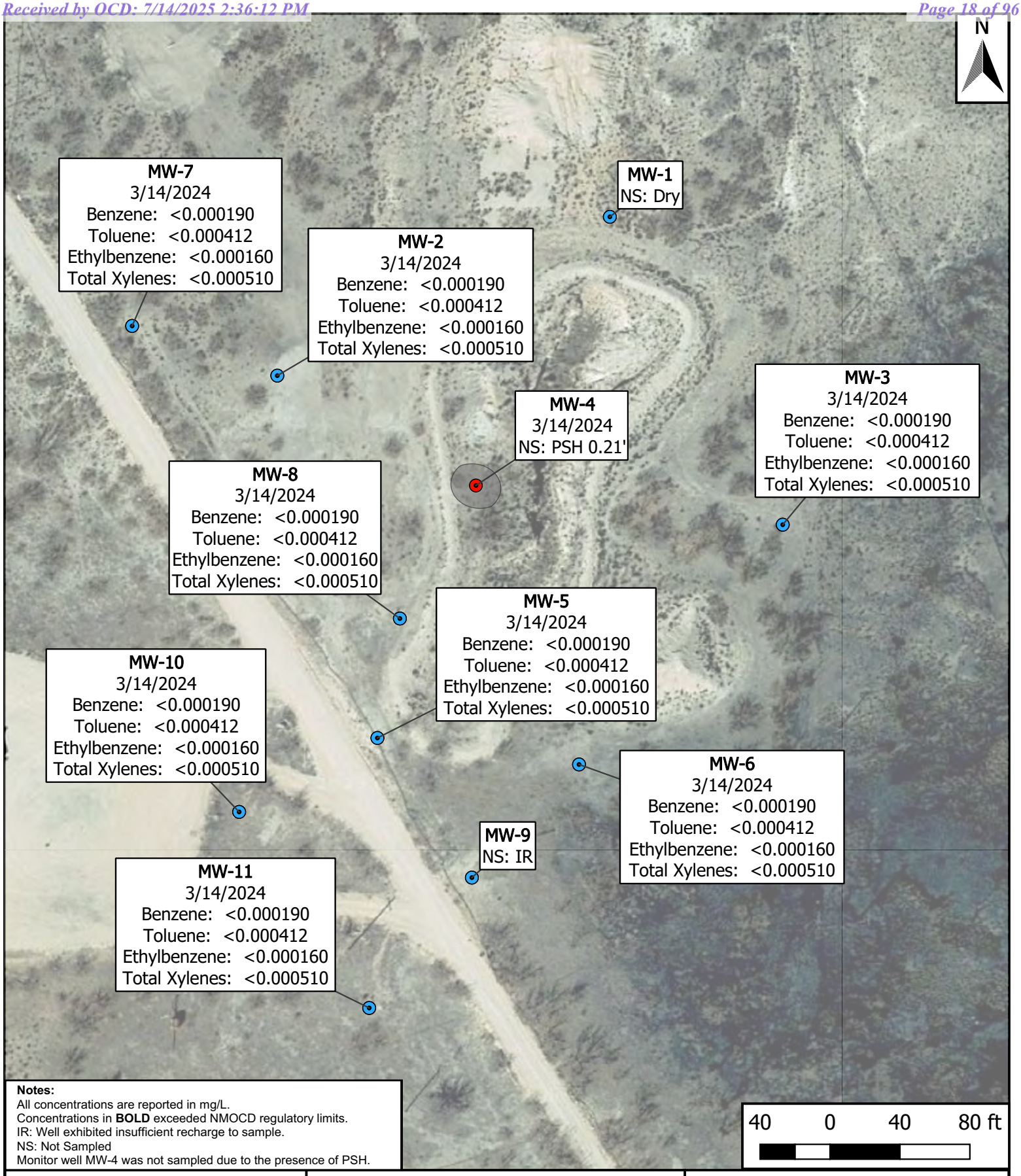
Figures 3A–3D
Groundwater Concentration Maps



Notes:
All concentrations are reported in mg/L.
Concentrations in **BOLD** exceeded NMOCD regulatory limits.
IR: Well exhibited insufficient recharge to sample.
NS: Not Sampled
Monitor well MW-4 was not sampled due to the presence of PSH.

Legend
- Monitor Well
- Recovery Well
- PSH Plume

Figure 3A
Groundwater Concentration Map – 1Q2024
Plains All American Pipeline, LP
Livingston Line – Bob McCasland
GPS: 32.504135, -103.151345
Lea County, New Mexico

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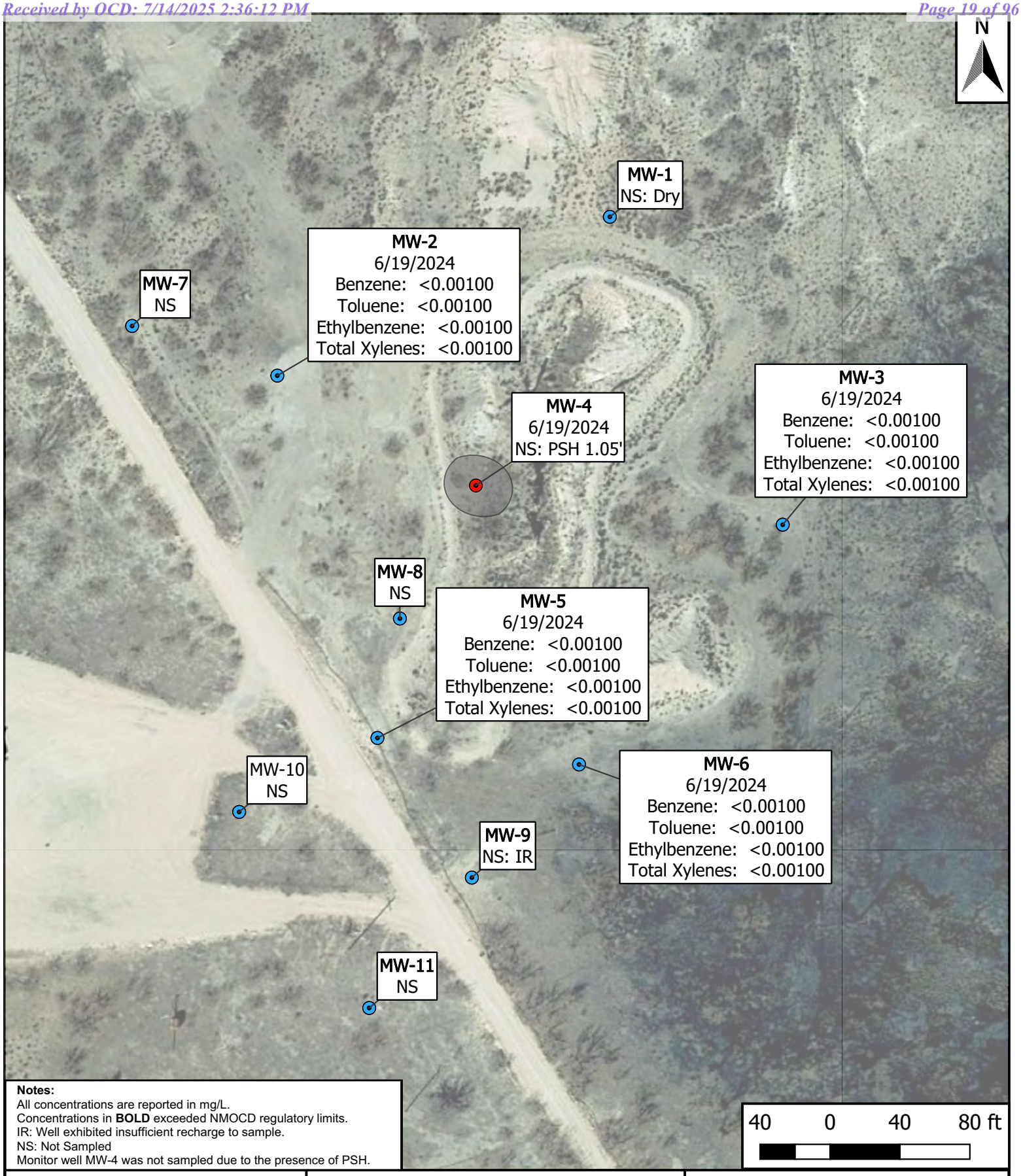

Notes:
All concentrations are reported in mg/L.
Concentrations in **BOLD** exceeded NMOCD regulatory limits.
IR: Well exhibited insufficient recharge to sample.
NS: Not Sampled
Monitor well MW-4 was not sampled due to the presence of PSH.

Legend
- Monitor Well
- Recovery Well
- PSH Plume

Figure 3B
Groundwater Concentration Map – 2Q2024
Plains All American Pipeline, LP
Livingston Line – Bob McCasland
GPS: 32.504135, -103.151345
Lea County, New Mexico

eTECH Environmental & Safety Solutions, Inc.

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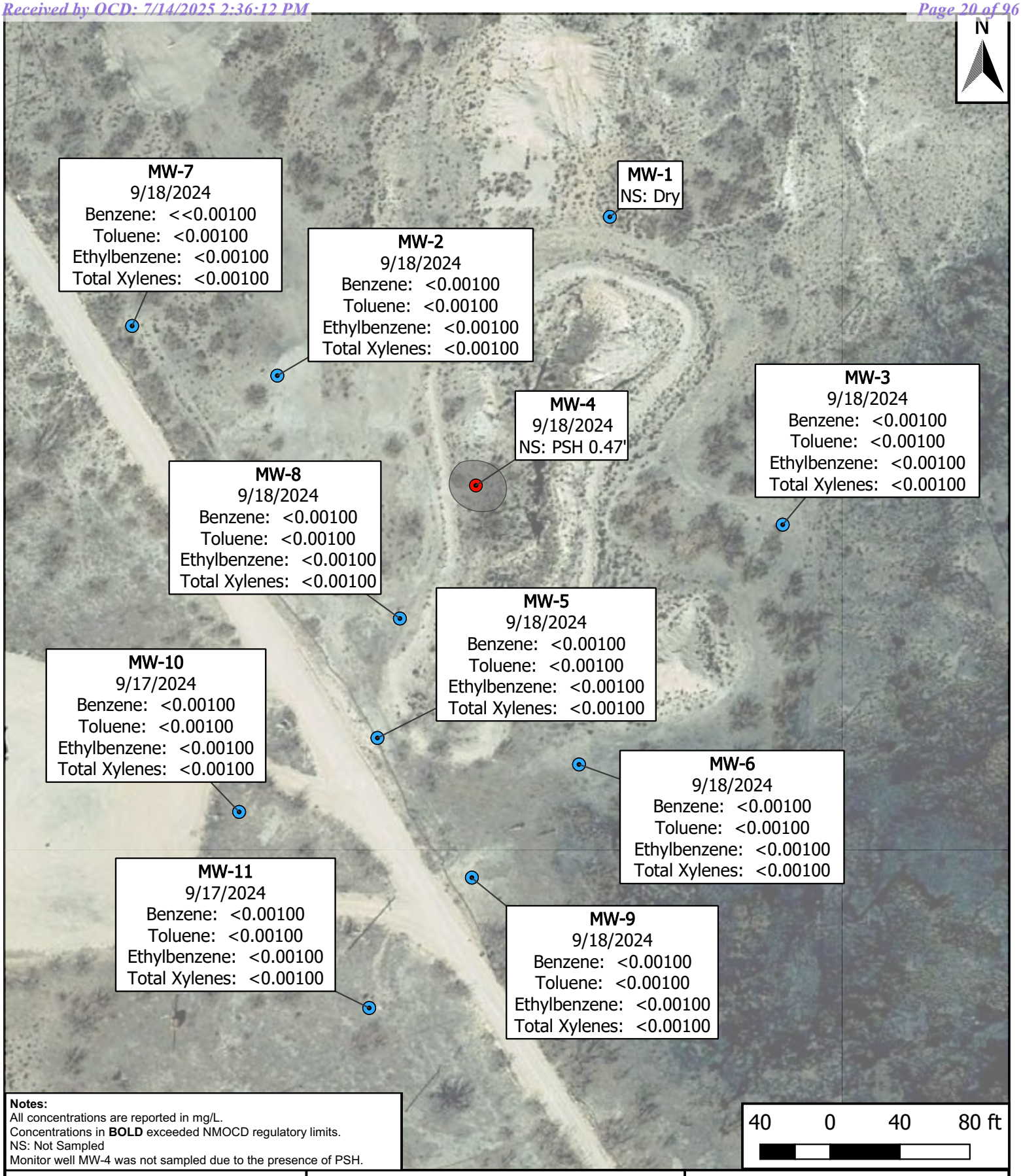


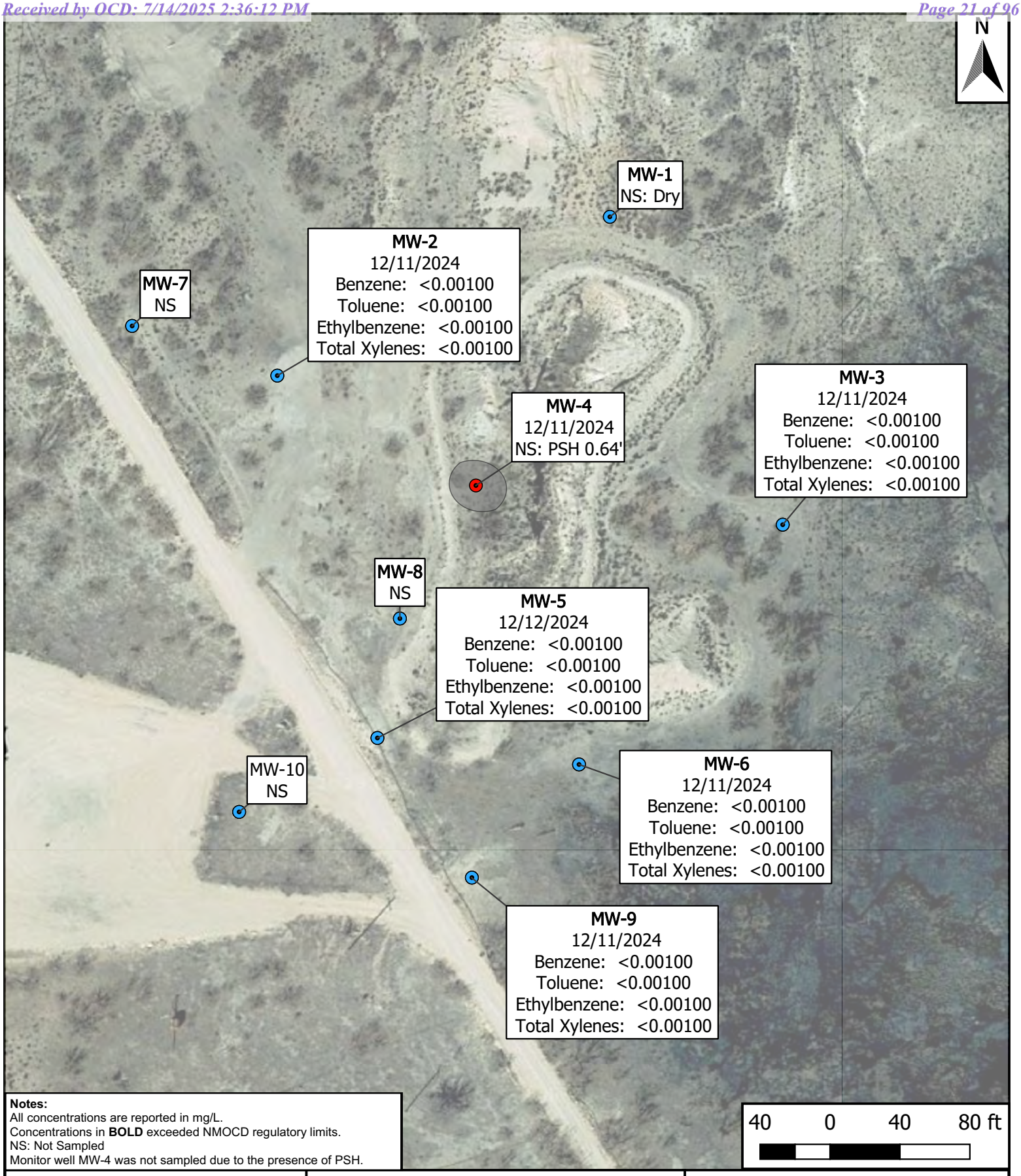
Notes:
All concentrations are reported in mg/L.
Concentrations in **BOLD** exceeded NMOCD regulatory limits.
NS: Not Sampled
Monitor well MW-4 was not sampled due to the presence of PSH.

Legend
- Monitor Well
- Recovery Well
- PSH Plume

Figure 3C
Groundwater Concentration Map – 3Q2024
Plains All American Pipeline, LP
Livingston Line – Bob McCasland
GPS: 32.504135, -103.151345
Lea County, New Mexico

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 11/18/24



Notes:
All concentrations are reported in mg/L.
Concentrations in **BOLD** exceeded NMOCD regulatory limits.
NS: Not Sampled
Monitor well MW-4 was not sampled due to the presence of PSH.

Legend
- Monitor Well
- Recovery Well
- PSH Plume

Figure 3D
Groundwater Concentration Map – 4Q2024
Plains All American Pipeline, LP
Livingston Line – Bob McCasland
GPS: 32.504135, -103.151345
Lea County, New Mexico

eTECH Environmental & Safety Solutions, Inc.

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Tables 1–4

Table 1
Groundwater Elevation & PSH[1] Thickness Summary

Livingston Line – Bob McCasland
Lea County, New Mexico
Plains SRS #: 2001-11226
Etech Project #: 17475
NMOCD[2] Incident #: nAPP2109736613

All elevation measurements are in feet above mean sea level

Well ID	Date Gauged	Top of Casing (TOC)[3] Elevation*	Depth to PSH Below TOC (feet)	Depth to Water Below TOC (feet)	PSH Thickness (feet)	Corrected Groundwater Elevation**
MW-1	03/27/2023	2,439.09	DRY			
	06/28/2023					
	09/20/2023					
	12/20/2023					
	03/14/2024					
	06/19/2024					
	09/17/2024					
	12/11/2024					
MW-2	03/27/2023	3,432.62	-	33.65	-	3,398.97
	06/28/2023		-	34.42	-	3,398.20
	09/20/2023		-	34.47	-	3,398.16
	12/20/2023		-	34.51	-	3,398.11
	03/14/2024		-	34.29	-	3,398.33
	06/19/2024		-	35.34	-	3,397.28
	09/18/2024		-	35.83	-	3,396.79
	12/11/2024		-	35.50	-	3,397.12
MW-3	03/27/2023	3,433.61	-	35.36	-	3,398.25
	06/28/2023		-	36.02	-	3,397.59
	09/20/2023		-	35.88	-	3,397.73
	12/20/2023		-	36.25	-	3,397.36
	03/14/2024		-	36.03	-	3,397.58
	06/19/2024		-	36.92	-	3,396.69
	09/18/2024		-	37.51	-	3,396.10
	12/11/2024		-	37.26	-	3,396.35
MW-4	03/27/2023	3,432.25	33.09	37.47	4.38	3,398.50
	06/28/2023		33.07	37.47	4.40	3,398.52
	09/20/2023		33.48	36.46	2.98	3,398.32
	12/20/2023		34.27	34.44	0.17	3,397.95
	03/14/2024		34.25	34.46	0.21	3,397.97
	06/19/2024		34.13	35.18	1.05	3,397.96
	09/17/2024		35.55	36.02	0.47	3,396.63
	12/11/2024		35.46	36.10	0.64	3,396.69
MW-5	03/27/2023	3,429.63	-	30.73	-	3,398.90
	06/28/2023		-	31.54	-	3,398.09
	09/20/2023		-	31.29	-	3,398.34
	12/20/2023		-	31.60	-	3,398.03
	03/14/2024		-	31.40	-	3,398.23
	06/19/2024		-	32.42	-	3,397.21
	09/18/2024		-	32.90	-	3,396.73
	12/12/2024		-	32.58	-	3,397.05
MW-6	03/27/2023	3,429.30	-	30.98	-	3,398.32
	06/28/2023		-	31.82	-	3,397.48
	09/20/2023		-	31.54	-	3,397.76
	12/20/2023		-	31.83	-	3,397.47
	03/14/2024		-	31.63	-	3,397.67
	06/19/2024		-	32.64	-	3,396.66
	09/18/2024		-	33.13	-	3,396.17
	12/11/2024		-	32.82	-	3,396.48

Notes:
1. PSH = Phase Separated Hydrocarbons
2. NMOCD = New Mexico Oil Conservation Division
3. TOC = Top of Casing

* Elevations based on the North American Vertical Datum of 1988.

** Corrected groundwater elevations were extrapolated using a PSH specific gravity of 0.85, if PSH was gauged in the monitor well.

Table 1
Groundwater Elevation & PSH[1] Thickness Summary

Livingston Line – Bob McCasland
Lea County, New Mexico
Plains SRS #: 2001-11226
Etech Project #: 17475
NMOCD[2] Incident #: nAPP2109736613

All elevation measurements are in feet above mean sea level

Well ID	Date Gauged	Top of Casing (TOC)[3] Elevation*	Depth to PSH Below TOC (feet)	Depth to Water Below TOC (feet)	PSH Thickness (feet)	Corrected Groundwater Elevation**
MW-7	03/27/2023	3,431.37	-	31.61	-	3,399.76
	06/28/2023		-	32.38	-	3,398.99
	09/20/2023		-	32.13	-	3,399.24
	12/20/2023		-	32.40	-	3,398.97
	03/14/2024		-	32.18	-	3,399.19
	06/19/2024		-	33.30	-	3,398.07
	09/18/2024		-	33.75	-	3,397.62
	12/11/2024		-	33.39	-	3,397.98
MW-8	03/27/2023	3,431.07	-	32.27	-	3,398.80
	06/28/2023		-	32.82	-	3,398.25
	09/20/2023		-	32.69	-	3,398.38
	12/20/2023		-	32.97	-	3,398.10
	03/14/2024		-	32.75	-	3,398.32
	06/19/2024		-	33.76	-	3,397.31
	09/18/2024		-	34.26	-	3,396.81
	12/11/2024		-	33.96	-	3,397.11
MW-9	03/27/2023	3,429.79	-	31.18	-	3,398.61
	06/28/2023		-	31.59	-	3,398.20
	09/20/2023		-	31.41	-	3,398.38
	12/20/2023		-	31.45	-	3,398.34
	03/14/2024		Dry			
	06/19/2024					
	09/18/2024		-	33.18	-	3,396.61
	12/11/2024		-	32.97	-	3,396.82
MW-10	03/27/2023	3,429.49	-	30.57	-	3,398.92
	06/28/2023		-	31.47	-	3,398.02
	09/20/2023		-	31.15	-	3,398.34
	12/20/2023		-	31.42	-	3,398.07
	03/14/2024		-	31.23	-	3,398.26
	06/19/2024		-	32.25	-	3,397.24
	09/17/2024		-	32.70	-	3,396.79
	12/11/2024		-	32.38	-	3,397.11
MW-11	03/27/2023	3,428.32	-	29.79	-	3,398.53
	06/28/2023		-	30.48	-	3,397.84
	09/20/2023		-	30.28	-	3,398.04
	12/20/2023		-	30.56	-	3,397.76
	03/14/2024		-	30.37	-	3,397.95
	06/19/2024		-	31.39	-	3,396.93
	09/17/2024		-	31.83	-	3,396.49
	12/11/2024		-	31.52	-	3,396.80

Notes:
1. PSH = Phase Separated Hydrocarbons
2. NMOCD = New Mexico Oil Conservation Division
3. TOC = Top of Casing

* Elevations based on the North American Vertical Datum of 1988.

** Corrected groundwater elevations were extrapolated using a PSH specific gravity of 0.85, if PSH was gauged in the monitor well.

Table 2
Groundwater BTEX[1] Concentration Analytical Summary

Livingston Line – Bob McCasland
Lea County, New Mexico
Plains SRS #: 2001-11226
Etech Project #: 17475
NMOCD[2] Incident ID#: nAPP2109736613

All concentrations are in milligrams per liter (mg/L)

Well ID	Date Sampled	EPA SW846-8021B						
		Benzene	Toluene	Ethylbenzene	M,P-Xylenes	O-Xylenes	Total Xylenes	Total BTEX
NMOCD RRAL CRITERIA[3]		0.01	0.75	0.75	TOTAL XYLENES 0.62			NE[4]
MW-1	03/27/2023	Dry - Not Sampled						
	06/28/2023							
	09/20/2023							
	12/20/2023							
	03/14/2024							
	06/19/2024							
	09/17/2024							
	12/11/2024							
MW-2	03/27/2023	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200
	06/28/2023	<0.00500	<0.00500	<0.00500	<0.0100	<0.00500	<0.00500	<0.00500
	09/20/2023	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100
	12/20/2023	0.000680	<0.000412	<0.000160	-	-	0.00274	0.00342
	03/14/2024	<0.000190	<0.000412	<0.000160	-	-	<0.000510	<0.000510
	06/19/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100
	09/18/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100
	12/11/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100
MW-3	03/27/2023	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200
	06/28/2023	<0.00500	<0.00500	<0.00500	<0.0100	<0.00500	<0.00500	<0.00500
	09/20/2023	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100
	12/20/2023	<0.000190	<0.000412	<0.000160	-	-	<0.000510	<0.000510
	03/14/2024	<0.000190	<0.000412	<0.000160	-	-	<0.000510	<0.000510
	06/19/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100
	09/18/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100
	12/11/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100
MW-4	03/27/2023	Not Sampled Due to the presence of Phase Separated Hydrocarbons (PSH)						
	06/28/2023							
	09/20/2023							
	12/20/2023							
	03/14/2024							
	06/19/2024							
	09/18/2024							
	12/11/2024							
MW-5	03/27/2023	0.00107	0.00119	0.00202	<0.00200	<0.00100	<0.00200	0.00428
	06/28/2023	<0.00500	<0.00500	<0.00500	<0.0100	<0.00500	<0.00500	<0.00500
	09/20/2023	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100
	12/20/2023	<0.000190	<0.000412	<0.000160	-	-	<0.00051	<0.000510
	03/14/2024	<0.000190	<0.000412	<0.000160	-	-	<0.000510	<0.000510
	06/19/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100
	09/18/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100
	12/12/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100
MW-6	03/27/2023	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200
	06/28/2023	<0.00500	<0.00500	<0.00500	<0.0100	<0.00500	<0.00500	<0.00500
	09/20/2023	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100
	12/20/2023	<0.000190	<0.000412	<0.000160	-	-	<0.00051	<0.000510
	03/14/2024	<0.000190	<0.000412	<0.000160	-	-	<0.000510	<0.000510
	06/19/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100
	09/18/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100
	12/11/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100

Notes:
1. BTEX = Benzene, Toluene, Ethylbenzene, and Total Xylenes
2. NMOCD = New Mexico Oil Conservation Division
3. RRAL Criteria = Recommended Remediation Action Level Criteria
4. NE = Not Established

Bold text indicates a concentration exceeding the NMOCD RRAL Criteria

Table 2
Groundwater BTEX[1] Concentration Analytical Summary

Livingston Line – Bob McCasland
Lea County, New Mexico
Plains SRS #: 2001-11226
Etech Project #: 17475
NMOCD[2] Incident ID#: nAPP2109736613

All concentrations are in milligrams per liter (mg/L)

Well ID	Date Sampled	EPA SW846-8021B						
		Benzene	Toluene	Ethylbenzene	M,P-Xylenes	O-Xylenes	Total Xylenes	Total BTEX
NMOCD RRAL CRITERIA[3]		**0.01**	**0.75**	**0.75**	**TOTAL XYLENES 0.62**			**NE[4]**
MW-7	03/27/2023	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200
	06/28/2023	Well Not Sampled (Reduced Sampling Schedule)						
	09/20/2023							
	12/20/2023							
	03/14/2024	<0.000190	<0.000412	<0.000160	-	-	<0.000510	<0.000510
	06/19/2024	Well Not Sampled (Reduced Sampling Schedule)						
	09/18/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100
	12/11/2024	Well Not Sampled (Reduced Sampling Schedule)						
MW-8	03/27/2023	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200
	06/28/2023	Well Not Sampled (Reduced Sampling Schedule)						
	09/20/2023							
	12/20/2023							
	03/14/2024	<0.000190	<0.000412	<0.000160	-	-	<0.000510	<0.000510
	06/19/2024	Well Not Sampled (Reduced Sampling Schedule)						
	09/18/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100
	12/11/2024	Well Not Sampled (Reduced Sampling Schedule)						
MW-9	03/27/2023	Insufficient Volume for Sample Collection						
	06/28/2023							
	09/20/2023							
	12/20/2023							
	03/14/2024							
	06/19/2024							
	09/18/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100
	12/11/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100
MW-10	03/27/2023	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200
	06/28/2023	Well Not Sampled (Reduced Sampling Schedule)						
	09/20/2023							
	12/20/2023							
	03/14/2024	<0.000190	<0.000412	<0.000160	-	-	<0.000510	<0.000510
	06/19/2024	Well Not Sampled (Reduced Sampling Schedule)						
	09/17/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100
	12/11/2024	Well Not Sampled (Reduced Sampling Schedule)						
MW-11	03/27/2023	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200
	06/28/2023	Well Not Sampled (Reduced Sampling Schedule)						
	09/20/2023							
	12/20/2023							
	03/14/2024	<0.000190	<0.000412	<0.000160	-	-	<0.000510	<0.000510
	06/19/2024	Well Not Sampled (Reduced Sampling Schedule)						
	09/17/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200
	12/11/2024	Well Not Sampled (Reduced Sampling Schedule)						

Notes:
1. BTEX = Benzene, Toluene, Ethylbenzene, and Total Xylenes
2. NMOCD = New Mexico Oil Conservation Division
3. RRAL Criteria = Recommended Remediation Action Level Criteria
4. NE = Not Established

Bold text indicates a concentration exceeding the NMOCD RRAL Criteria

Table 3
MW-4 Recovery Summary

Livingston Line – Bob McCasland
Lea County, New Mexico
Plains SRS #: 2001-11226
Etech Project #: 17475
NMOCD[1] Incident ID #: nAPP2109736613

All elevations are measured in feet above mean sea level

Well ID	Date	Top of Casing (TOC)[2] Elevation*	Depth to PSH Below TOC (feet)	Depth to Water Below TOC (feet)	PSH[3] Thickness (feet)	Corrected Groundwater Elevation**	Total Fluid Recovery† (Gallons)
MW-4	02/19/2024	3,432.25	34.22	35.21	0.99	3,397.88	84.0
	03/14/2024		34.25	34.46	0.21	3,397.97	-
	03/28/2024		34.19	34.94	0.75	3,397.95	84.0
	04/17/2024		34.25	34.78	0.53	3,397.92	252
	05/22/2024		34.73	35.61	0.88	3,397.39	336
	06/19/2024		34.13	35.18	1.05	3,397.96	-
	06/26/2024		35.16	36.40	1.24	3,396.90	84
	07/31/2024		35.51	36.79	1.28	3,396.55	252
	08/21/2024		35.73	36.88	1.15	3,396.35	210
	09/17/2024		35.55	36.02	0.47	3,396.63	-
	09/27/2024		35.61	37.51	1.90	3,396.36	42
	10/23/2024		35.67	37.63	1.96	3,396.29	210
	11/21/2024		35.45	37.05	1.60	3,396.56	210
	12/11/2024		35.46	36.10	0.64	3,396.69	-
	12/18/2024		35.41	37.01	1.60	3,396.60	210
				2024 Average PSH Thickness	**1.09**	**2024 Total**	**1,890**

Notes:

1. NMOCD = New Mexico Oil Conservation Division
2. TOC = Top Of Casing
3. PSH = Phase Separated Hydrocarbons

* Elevations based on the North American Vertical Datum of 1988.

** Corrected groundwater elevations were extrapolated using a PSH specific gravity of 0.85, if PSH was gauged in the monitor well.

† Via Aggressive Fluid Recovery (AFR) and/or Manual Recovery.

Table 4
MW-5 Recovery Summary

Livingston Line – Bob McCasland
Lea County, New Mexico
Plains SRS #: 2001-11226
Etech Project #: 17475
NMOCD[1] Incident ID #: nAPP2109736613

All elevations are measured in feet above mean sea level

Well ID	Date	Top of Casing (TOC)[2] Elevation*	Depth to PSH Below TOC (feet)	Depth to Water Below TOC (feet)	PSH[3] Thickness (feet)	Corrected Groundwater Elevation**	Total Fluid Recovery† (Gallons)
MW-4	02/19/2024	3,432.25	-	31.41	0.00	3,400.84	126
	03/14/2024		-	31.40	0.00	3,400.85	6.00
	03/28/2024		-	31.37	0.00	3,400.88	126
	04/17/2024		-	31.40	0.00	3,400.85	126
	05/22/2024		-	31.98	0.00	3,400.27	126
	06/19/2024		-	32.42	0.00	3,399.83	5.85
	06/26/2024		-	32.48	0.00	3,399.77	168
	07/31/2024		-	32.82	0.00	3,399.43	84.0
	08/21/2024		-	32.98	0.00	3,399.27	84.0
	09/18/2024		-	32.90	0.00	3,399.35	6.32
	09/27/2024		-	32.93	0.00	3,399.32	210
	10/23/2024		-	33.05	0.00	3,399.20	42.0
	11/21/2024		-	32.76	0.00	3,399.49	42.0
	12/12/2024		-	32.58	0.00	3,399.67	42.0
	12/18/2024		-	32.54	0.00	3,399.71	42.0
			2024 Average PSH Thickness		**0.00**	**2024 Total**	**1,236**

Notes:

1. NMOCD = New Mexico Oil Conservation Division
2. TOC = Top Of Casing
3. PSH = Phase Separated Hydrocarbons

* Elevations based on the North American Vertical Datum of 1988.

** Corrected groundwater elevations were extrapolated using a PSH specific gravity of 0.85, if PSH was gauged in the monitoring well.

† Via Aggressive Fluid Recovery (AFR) and/or Manual Recovery.

Appendix A
Laboratory Analytical Reports

Pace Analytical®

ANALYTICAL REPORT

March 25, 2024

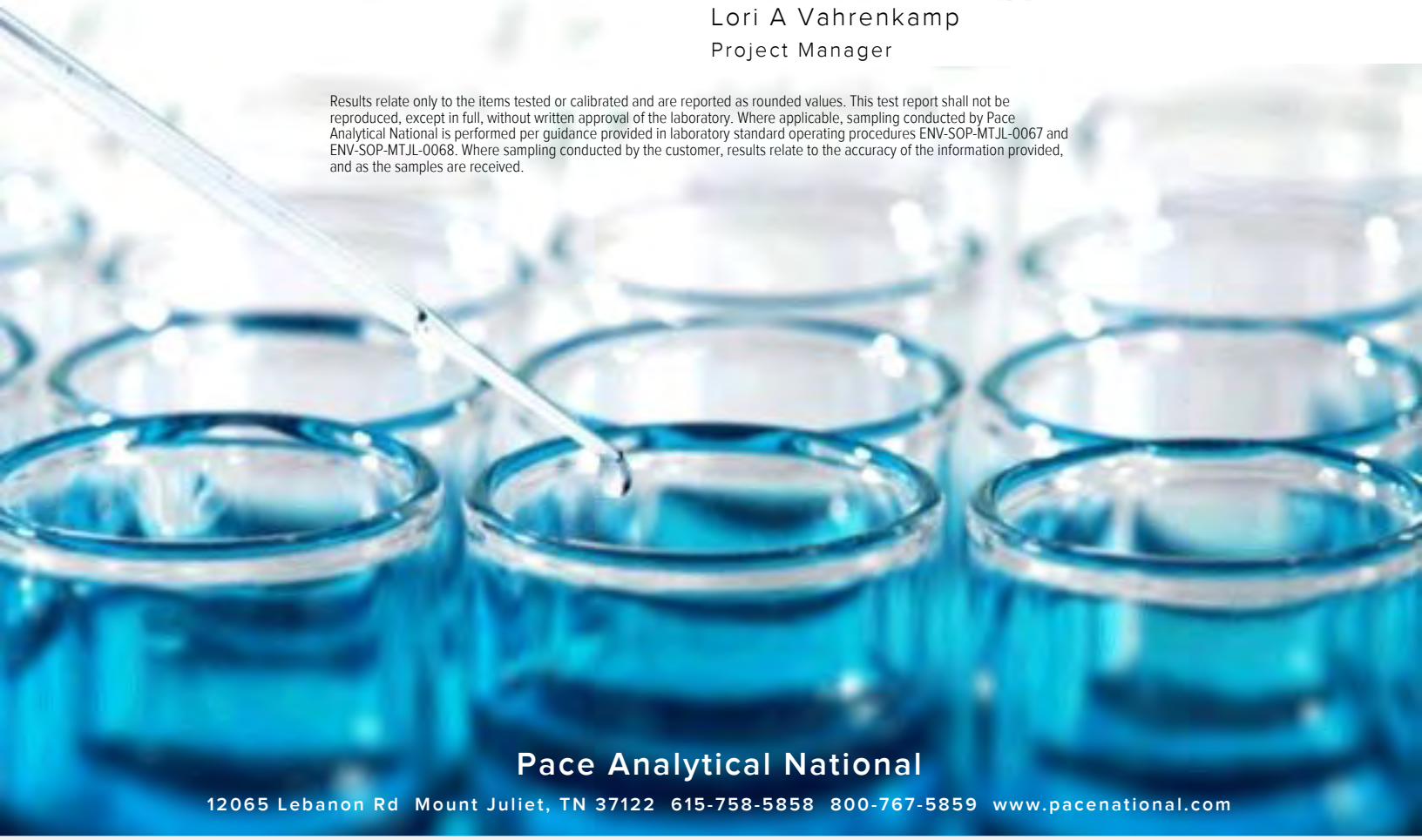
Plains All American Pipeline - ETECH

Sample Delivery Group:	L1716195
Samples Received:	03/16/2024
Project Number:	SRS #2001-11226
Description:	Livingston Line - Bob McCasland
Site:	SRS 2001 11226
Report To:	Kimble Thrash PO Box 62228 Midland, TX 79711

Entire Report Reviewed By:

Lori A Vahrenkamp
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

MW-2 L1716195-01 GW

Collected by: Kimble Thrash | Collected date/time: 03/14/24 16:00 | Received date/time: 03/16/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2251319	1	03/21/24 15:12	03/21/24 15:12	JAH	Mt. Juliet, TN

MW-3 L1716195-02 GW

Collected by: Kimble Thrash | Collected date/time: 03/14/24 11:00 | Received date/time: 03/16/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2251319	1	03/21/24 15:35	03/21/24 15:35	JAH	Mt. Juliet, TN

MW-5 L1716195-03 GW

Collected by: Kimble Thrash | Collected date/time: 03/14/24 15:00 | Received date/time: 03/16/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2251319	1	03/21/24 15:58	03/21/24 15:58	JAH	Mt. Juliet, TN

MW-6 L1716195-04 GW

Collected by: Kimble Thrash | Collected date/time: 03/14/24 12:00 | Received date/time: 03/16/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2251319	1	03/21/24 16:20	03/21/24 16:20	JAH	Mt. Juliet, TN

MW-7 L1716195-05 GW

Collected by: Kimble Thrash | Collected date/time: 03/14/24 10:00 | Received date/time: 03/16/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2251319	1	03/21/24 16:43	03/21/24 16:43	JAH	Mt. Juliet, TN

MW-8 L1716195-06 GW

Collected by: Kimble Thrash | Collected date/time: 03/14/24 17:00 | Received date/time: 03/16/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2251319	1	03/21/24 17:06	03/21/24 17:06	JAH	Mt. Juliet, TN

MW-10 L1716195-07 GW

Collected by: Kimble Thrash | Collected date/time: 03/14/24 14:00 | Received date/time: 03/16/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2251319	1	03/21/24 17:28	03/21/24 17:28	JAH	Mt. Juliet, TN

MW-11 L1716195-08 GW

Collected by: Kimble Thrash | Collected date/time: 03/14/24 13:00 | Received date/time: 03/16/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2251319	1	03/21/24 17:51	03/21/24 17:51	JAH	Mt. Juliet, TN

SAMPLE SUMMARY

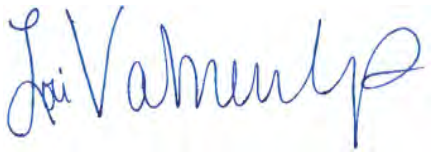
DUP-1 L1716195-09 GW

Collected by: Kimble Thrash
Collected date/time: 03/14/24 16:01
Received date/time: 03/16/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2251319	1	03/21/24 18:13	03/21/24 18:13	JAH	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Lori A Vahrenkamp
Project Manager

MW-2
Collected date/time: 03/14/24 16:00
L1716195

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	1	03/21/2024 15:12	WG2251319
Toluene	U		0.000412	0.00100	1	03/21/2024 15:12	WG2251319
Ethylbenzene	U		0.000160	0.000500	1	03/21/2024 15:12	WG2251319
Total Xylene	U		0.000510	0.00150	1	03/21/2024 15:12	WG2251319
(S) a,a,a-Trifluorotoluene(PID)	*89.1*			*79.0-125*		*03/21/2024 15:12*	WG2251319

MW-3
Collected date/time: 03/14/24 11:00
L1716195

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	1	03/21/2024 15:35	WG2251319
Toluene	U		0.000412	0.00100	1	03/21/2024 15:35	WG2251319
Ethylbenzene	U		0.000160	0.000500	1	03/21/2024 15:35	WG2251319
Total Xylene	U		0.000510	0.00150	1	03/21/2024 15:35	WG2251319
(S) a,a,a-Trifluorotoluene(PID)	*90.9*			*79.0-125*		*03/21/2024 15:35*	WG2251319

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	1	03/21/2024 15:58	WG2251319
Toluene	U		0.000412	0.00100	1	03/21/2024 15:58	WG2251319
Ethylbenzene	U		0.000160	0.000500	1	03/21/2024 15:58	WG2251319
Total Xylene	U		0.000510	0.00150	1	03/21/2024 15:58	WG2251319
(S) a,a,a-Trifluorotoluene(PID)	*89.2*			*79.0-125*		*03/21/2024 15:58*	WG2251319

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	1	03/21/2024 16:20	WG2251319
Toluene	U		0.000412	0.00100	1	03/21/2024 16:20	WG2251319
Ethylbenzene	U		0.000160	0.000500	1	03/21/2024 16:20	WG2251319
Total Xylene	U		0.000510	0.00150	1	03/21/2024 16:20	WG2251319
(S) a,a,a-Trifluorotoluene(PID)	*90.9*			*79.0-125*		*03/21/2024 16:20*	WG2251319

MW-7
Collected date/time: 03/14/24 10:00
L1716195

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	1	03/21/2024 16:43	WG2251319
Toluene	U		0.000412	0.00100	1	03/21/2024 16:43	WG2251319
Ethylbenzene	U		0.000160	0.000500	1	03/21/2024 16:43	WG2251319
Total Xylene	U		0.000510	0.00150	1	03/21/2024 16:43	WG2251319
(S) a,a,a-Trifluorotoluene(PID)	*91.1*			*79.0-125*		*03/21/2024 16:43*	WG2251319

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	1	03/21/2024 17:06	WG2251319
Toluene	U		0.000412	0.00100	1	03/21/2024 17:06	WG2251319
Ethylbenzene	U		0.000160	0.000500	1	03/21/2024 17:06	WG2251319
Total Xylene	U		0.000510	0.00150	1	03/21/2024 17:06	WG2251319
(S) a,a,a-Trifluorotoluene(PID)	*90.8*			*79.0-125*		*03/21/2024 17:06*	WG2251319

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	1	03/21/2024 17:28	WG2251319
Toluene	U		0.000412	0.00100	1	03/21/2024 17:28	WG2251319
Ethylbenzene	U		0.000160	0.000500	1	03/21/2024 17:28	WG2251319
Total Xylene	U		0.000510	0.00150	1	03/21/2024 17:28	WG2251319
(S) a,a,a-Trifluorotoluene(PID)	*90.6*			*79.0-125*		*03/21/2024 17:28*	WG2251319

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	1	03/21/2024 17:51	WG2251319
Toluene	U		0.000412	0.00100	1	03/21/2024 17:51	WG2251319
Ethylbenzene	U		0.000160	0.000500	1	03/21/2024 17:51	WG2251319
Total Xylene	U		0.000510	0.00150	1	03/21/2024 17:51	WG2251319
(S) a,a,a-Trifluorotoluene(PID)	*90.8*			*79.0-125*		*03/21/2024 17:51*	WG2251319

DUP-1
Collected date/time: 03/14/24 16:01
L1716195

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	1	03/21/2024 18:13	WG2251319
Toluene	U		0.000412	0.00100	1	03/21/2024 18:13	WG2251319
Ethylbenzene	U		0.000160	0.000500	1	03/21/2024 18:13	WG2251319
Total Xylene	U		0.000510	0.00150	1	03/21/2024 18:13	WG2251319
(S) a,a,a-Trifluorotoluene(PID)	*89.5*			*79.0-125*		*03/21/2024 18:13*	WG2251319

Method Blank (MB)

(MB) R4049248-3 03/21/24 14:27

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000190	0.000500
Toluene	U		0.000412	0.00100
Ethylbenzene	U		0.000160	0.000500
Total Xylene	U		0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	*91.1*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R4049248-2 03/21/24 12:44

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0475	95.0	77.0-122	
Toluene	0.0500	0.0445	89.0	80.0-121	
Ethylbenzene	0.0500	0.0506	101	80.0-123	
Total Xylene	0.150	0.141	94.0	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*89.8*	*79.0-125*	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
	The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Plains All American Pipeline - ETECH

PO Box 62228
Midland, TX 79711

Billing Information:
Accounts Payable
333 Clay St
Suite 1600
Houston, TX 77002

Pres Chk

Report to: Kimble Thrash

Email To: camille.bryant@plains.com;karolanne.hudgens

Project Description: Livingston Line - Bob McCasland

City/State Collected: LEA COUNTY, NM

Please Circle: PT MT CT ET

Phone: 4328949996

Client Project # SRS #2001-11226

Lab Project # PLAINSETECH-NM GW

Collected by (print): KIMBLE THRASH

Site/Facility ID # SRS 2001 11226

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ___

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 171695

C106

Acctnum: PLAINSETECH
Template: T242881
Prelogin: P1061380
PM: 3587 - Lori A Vahrenkamp
PB:

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTEX 40mlAmb-HCl	BTEX 40mlAmb-HCl-Blk	SVOC 1L-Amb-NoPres *HOLD PAHs							Remarks	Sample # (lab only)
[redacted]																	
MW-2	G	GW	—	3-14-24	1600	5	X		X								-01
MW-3	G	GW	—	3-14-24	1100	5	X		X								-02
[redacted]																	
MW-5	G	GW	—	3-14-24	1500	5	X		X								-03
MW-6	G	GW	—	3-14-24	1200	5	X		X								-04
MW-7	G	GW	—	3-14-24	1000	5	X		X								-05
MW-8	G	GW	—	3-14-24	1700	5	X		X								-06
[redacted]																	
MW-10	G	GW	—	3-14-24	1400	5	X		X								-07

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: Order Includes: 13xGW BTEX; 1xTrip Blank
HOLD PAHs ANALYSIS

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking # 1426 8309 2382

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	3/15/24	0900			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.1 °C	Bottles Received:
	3/15/24	10:03		0.2+0.2	45
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date:	Time:
	3-15-24	10:20		3/16/24	0930

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Company Name/Address:
Plains All American Pipeline - ETECH

PO Box 62228
Midland, TX 79711

Billing Information:
Accounts Payable
333 Clay St
Suite 1600
Houston, TX 77002

Pres Chk

Report to: **Kimble Thrash**

Email To: **camille.bryant@plains.com;karolanne.hudgens**

Project Description: **Livingston Line - Bob McCasland**

City/State Collected: **LEA COUNTY, NM**

Please Circle: PT MT CT ET

Phone: **4328949996**

Client Project # **SRS #2001-11226**

Lab Project # **PLAINSETECH-NM GW**

Collected by (print): **KIMBLE THRASH**

Site/Facility ID # **SRS 2001-11226**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTEX 40ml Amb-HCl	BTEX 40ml Amb-HCl-Blk	SVOC 1L-Amb-NoPres * HOLD * PAHs								
MW-11	G	GW	—	3-14-24	1300	5	X		X								-08
DUP-1	G	GW	—	3-14-24	1601	5	X		X								-09
TRIP BLANK		GW				2		X									-10

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 176195

Table #

Acctnum: **PLAINSETECH**
Template: **T242881**
Prelogin: **P1061380**
PM: **3587 - Lori A Vahrenkamp**
PB:

Shipped Via: **FedEX Ground**

Remarks | Sample # (lab only)

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:Order Includes: 13xGW BTEX; 1xTrip Blank
HOLD PAHs ANALYSIS

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 6426 8309 2382

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	3/15/24	0900		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.4°C Bottles Received: 45
	3/15/24	10:03		0270.2
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
	3-15-24	10:20		3/16/24 0930

If preservation required by Login: Date/Time

Hold: | Condition: NCF / OK

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

PBELAB

Analytical Report

Prepared for:

Kimble Thrash

E Tech Environmental & Safety Solutions, Inc. [1]

13000 West County Road 100

Odessa, TX 79765

Project: SRS 2001-11226

Project Number: SRS 2001-11226

Location: Lea County, NM

Lab Order Number: 4F20024

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 06/25/24

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
13000 West County Road 100	Project Number: SRS 2001-11226
Odessa TX, 79765	Project Manager: Kimble Thrash

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	4F20024-01	Water	06/19/24 17:15	06-20-2024 16:26
MW-3	4F20024-02	Water	06/19/24 13:00	06-20-2024 16:26
MW-5	4F20024-03	Water	06/19/24 16:00	06-20-2024 16:26
MW-6	4F20024-04	Water	06/19/24 14:30	06-20-2024 16:26
DUP-1	4F20024-05	Water	06/19/24 17:16	06-20-2024 16:26

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
13000 West County Road 100	Project Number: SRS 2001-11226
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-2

4F20024-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/24/24 12:30	06/24/24 19:53	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/24/24 12:30	06/24/24 19:53	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 19:53	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 19:53	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 19:53	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 19:53	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 19:53	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*85.9 %*	*80-120*		*P4F2408*	*06/24/24 12:30*	*06/24/24 19:53*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*110 %*	*80-120*		*P4F2408*	*06/24/24 12:30*	*06/24/24 19:53*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
13000 West County Road 100	Project Number: SRS 2001-11226
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-3

4F20024-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/24/24 12:30	06/24/24 20:15	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/24/24 12:30	06/24/24 20:15	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 20:15	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 20:15	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 20:15	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 20:15	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 20:15	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*85.9 %*	*80-120*		*P4F2408*	*06/24/24 12:30*	*06/24/24 20:15*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*110 %*	*80-120*		*P4F2408*	*06/24/24 12:30*	*06/24/24 20:15*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
13000 West County Road 100	Project Number: SRS 2001-11226
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-5

4F20024-03 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/24/24 12:30	06/24/24 20:37	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/24/24 12:30	06/24/24 20:37	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 20:37	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 20:37	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 20:37	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 20:37	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 20:37	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*85.4 %*	*80-120*		*P4F2408*	*06/24/24 12:30*	*06/24/24 20:37*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*109 %*	*80-120*		*P4F2408*	*06/24/24 12:30*	*06/24/24 20:37*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
13000 West County Road 100	Project Number: SRS 2001-11226
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-6

4F20024-04 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/24/24 12:30	06/24/24 20:59	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/24/24 12:30	06/24/24 20:59	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 20:59	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 20:59	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 20:59	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 20:59	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 20:59	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*87.2 %*	*80-120*		*P4F2408*	*06/24/24 12:30*	*06/24/24 20:59*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*110 %*	*80-120*		*P4F2408*	*06/24/24 12:30*	*06/24/24 20:59*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
13000 West County Road 100	Project Number: SRS 2001-11226
Odessa TX, 79765	Project Manager: Kimble Thrash

DUP-1

4F20024-05 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/24/24 12:30	06/24/24 21:22	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/24/24 12:30	06/24/24 21:22	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 21:22	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 21:22	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 21:22	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 21:22	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 21:22	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*87.6 %*	*80-120*		*P4F2408*	*06/24/24 12:30*	*06/24/24 21:22*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*109 %*	*80-120*		*P4F2408*	*06/24/24 12:30*	*06/24/24 21:22*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
13000 West County Road 100	Project Number: SRS 2001-11226
Odessa TX, 79765	Project Manager: Kimble Thrash

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4F2408 - * DEFAULT PREP *** **										
Blank (P4F2408-BLK1)				Prepared & Analyzed: 06/24/24						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.108*		*"*	*0.120*		*90.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.128*		*"*	*0.120*		*107*	*80-120*			
LCS (P4F2408-BS1)				Prepared & Analyzed: 06/24/24						
Benzene	0.111	0.00100	mg/L	0.100		111	80-120			
Toluene	0.109	0.00100	"	0.100		109	80-120			
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120			
Xylene (p/m)	0.231	0.00200	"	0.200		115	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	*0.112*		*"*	*0.120*		*93.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.138*		*"*	*0.120*		*115*	*80-120*			
LCS Dup (P4F2408-BSD1)				Prepared & Analyzed: 06/24/24						
Benzene	0.108	0.00100	mg/L	0.100		108	80-120	2.59	20	
Toluene	0.0987	0.00100	"	0.100		98.7	80-120	9.84	20	
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120	10.3	20	
Xylene (p/m)	0.210	0.00200	"	0.200		105	80-120	9.60	20	
Xylene (o)	0.0920	0.00100	"	0.100		92.0	80-120	9.03	20	
Surrogate: 4-Bromofluorobenzene	*0.111*		*"*	*0.120*		*92.5*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.141*		*"*	*0.120*		*117*	*80-120*			
Calibration Blank (P4F2408-CCB1)				Prepared & Analyzed: 06/24/24						
Benzene	0.180		ug/l							
Toluene	0.150		"							
Ethylbenzene	0.270		"							
Xylene (p/m)	0.500		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.109*		*"*	*0.120*		*90.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.127*		*"*	*0.120*		*106*	*80-120*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
13000 West County Road 100	Project Number: SRS 2001-11226
Odessa TX, 79765	Project Manager: Kimble Thrash

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4F2408 - * DEFAULT PREP *** **										
Calibration Blank (P4F2408-CCB2)				Prepared & Analyzed: 06/24/24						
Benzene	0.0800		ug/l							
Toluene	0.0700		"							
Ethylbenzene	0.280		"							
Xylene (p/m)	0.550		"							
Xylene (o)	0.190		"							
Surrogate: 4-Bromofluorobenzene	*0.103*		*"*	*0.120*		*86.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.129*		*"*	*0.120*		*107*	*80-120*			
Calibration Check (P4F2408-CCV1)				Prepared & Analyzed: 06/24/24						
Benzene	0.119	0.00100	mg/L	0.100		119	80-120			
Toluene	0.111	0.00100	"	0.100		111	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120			
Xylene (p/m)	0.229	0.00200	"	0.200		114	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	*0.106*		*"*	*0.120*		*88.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.135*		*"*	*0.120*		*112*	*80-120*			
Calibration Check (P4F2408-CCV2)				Prepared & Analyzed: 06/24/24						
Benzene	0.119	0.00100	mg/L	0.100		119	80-120			
Toluene	0.114	0.00100	"	0.100		114	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.234	0.00200	"	0.200		117	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 4-Bromofluorobenzene	*0.108*		*"*	*0.120*		*90.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.140*		*"*	*0.120*		*116*	*80-120*			
Calibration Check (P4F2408-CCV3)				Prepared & Analyzed: 06/24/24						
Benzene	0.113	0.00100	mg/L	0.100		113	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.222	0.00200	"	0.200		111	80-120			
Xylene (o)	0.100	0.00100	"	0.100		100	80-120			
Surrogate: 4-Bromofluorobenzene	*0.105*		*"*	*0.120*		*87.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.139*		*"*	*0.120*		*116*	*80-120*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
13000 West County Road 100	Project Number: SRS 2001-11226
Odessa TX, 79765	Project Manager: Kimble Thrash

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4F2408 - * DEFAULT PREP *** **										
Matrix Spike (P4F2408-MS1)	**Source: 4F19020-06**			Prepared & Analyzed: 06/24/24						
Benzene	0.122	0.00100	mg/L	0.100	ND	122	80-120			QM-05
Toluene	0.112	0.00100	"	0.100	ND	112	80-120			
Ethylbenzene	0.119	0.00100	"	0.100	ND	119	80-120			
Xylene (p/m)	0.231	0.00200	"	0.200	ND	116	80-120			
Xylene (o)	0.103	0.00100	"	0.100	ND	103	80-120			
Surrogate: 4-Bromofluorobenzene	*0.105*		*"*	*0.120*		*87.5*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.139*		*"*	*0.120*		*116*	*80-120*			
Matrix Spike Dup (P4F2408-MSD1)	**Source: 4F19020-06**			Prepared & Analyzed: 06/24/24						
Benzene	0.123	0.00100	mg/L	0.100	ND	123	80-120	1.22	20	QM-05
Toluene	0.112	0.00100	"	0.100	ND	112	80-120	0.196	20	
Ethylbenzene	0.119	0.00100	"	0.100	ND	119	80-120	0.295	20	
Xylene (p/m)	0.234	0.00200	"	0.200	ND	117	80-120	1.15	20	
Xylene (o)	0.104	0.00100	"	0.100	ND	104	80-120	1.01	20	
Surrogate: 4-Bromofluorobenzene	*0.106*		*"*	*0.120*		*88.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.141*		*"*	*0.120*		*118*	*80-120*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
13000 West County Road 100	Project Number: SRS 2001-11226
Odessa TX, 79765	Project Manager: Kimble Thrash

Notes and Definitions

ROI	Received on Ice
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
pH1	The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.
NPBEL C(	Chain of Custody was not generated at PBELAB
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 6/25/2024

Brent Barron, Laboratory Director/Technical Director

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
13000 West County Road 100	Project Number: SRS 2001-11226
Odessa TX, 79765	Project Manager: Kimble Thrash

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____ W: _____

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

Project Manager: Kimble Thrash
Company Name: Etech Environmental & Safety Solutions, Inc.
Company Address: P.O. Box 6228
City/State/Zip: Midland, TX 79711
Telephone No: (432) 563-2200 **Fax No:** (432) 563-2213
Sampler Signature:

Project Name: SRS 2001-11226
Project #: SRS 2001-11226
Project Loc: Lea County, NM
PO #:
Report Format: ☐ Standard ☐ TRRP ☐ NPDES
e-mail: kimble@etechenv.com; shane@etechenv.com; camille.bryant@plains.com; karolanne.hudgens@plains.com

(lab use only)
ORDER #: 4F20024

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TOTAL: BTEX 8021 B	RUSH TAT (Pre-Schedule) 24, 48, 72 h	Standard TAT
1	MW-2	-	-	06/19/24	1715		3			3						GW	3		X
2	MW-3	-	-	06/19/24	1300		3			3						GW	3		X
3	MW-5	-	-	06/19/24	1600		3			3						GW	3		X
4	MW-6	-	-	06/19/24	1430		3			3						GW	3		X
5	DUP-1	-	-	06/19/24	1716		3			3						GW	3		X

Special Instructions: Please invoice directly to Plains A/P 333 Clay St., Houston, TX 77002 and reference the SRS number in the Project Name.

Relinquished by:	Date	Time	Received by:	Date	Time
	6/20/24	1610			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL: Trina Bledroe	6/20/24	16:26

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 2.4 °C Thermometor: NCF 03
Adjusted: °C Factor:

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

Analytical Report

Prepared for:

Kimble Thrash
E Tech Environmental & Safety Solutions, Inc. [1]
13000 West County Road 100
Odessa, TX 79765

Project: SRS 2001-11226
Project Number: SRS 2001-11226
Location: Lea County, NM

Lab Order Number: 4I19007

Current Certification

Report Date: 09/26/24

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
13000 West County Road 100	Project Number: SRS 2001-11226
Odessa TX, 79765	Project Manager: Kimble Thrash

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	4I19007-01	Water	09/18/24 15:55	09-19-2024 12:55
MW-3	4I19007-02	Water	09/18/24 10:20	09-19-2024 12:55
MW-5	4I19007-03	Water	09/18/24 14:20	09-19-2024 12:55
MW-6	4I19007-04	Water	09/18/24 11:35	09-19-2024 12:55
MW-7	4I19007-05	Water	09/18/24 09:00	09-19-2024 12:55
MW-8	4I19007-06	Water	09/18/24 17:30	09-19-2024 12:55
MW-9	4I19007-07	Water	09/18/24 13:00	09-19-2024 12:55
MW-10	4I19007-08	Water	09/17/24 18:15	09-19-2024 12:55
MW-11	4I19007-09	Water	09/17/24 16:45	09-19-2024 12:55
DUP-1	4I19007-10	Water	09/18/24 15:56	09-19-2024 12:55

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
13000 West County Road 100	Project Number: SRS 2001-11226
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-2

4I19007-01 (Water)

Permian Basin Environmental Lab, L.P.

Organics by GC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.00100	mg/L	1	P4I2005	09/20/24 13:59	09/21/24 01:25	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I2005	09/20/24 13:59	09/21/24 01:25	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I2005	09/20/24 13:59	09/21/24 01:25	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I2005	09/20/24 13:59	09/21/24 01:25	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I2005	09/20/24 13:59	09/21/24 01:25	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*103 %*	*80-120*		*P4I2005*	*09/20/24 13:59*	*09/21/24 01:25*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*89.1 %*	*80-120*		*P4I2005*	*09/20/24 13:59*	*09/21/24 01:25*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/20/24 13:59	09/21/24 01:25	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/20/24 13:59	09/21/24 01:25	EPA 8021B	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
13000 West County Road 100	Project Number: SRS 2001-11226
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-3

4I19007-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 04:19	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 04:19	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 04:19	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 04:19	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 04:19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		*P4I2006*	*09/20/24 14:12*	*09/21/24 04:19*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*89.3 %*	*80-120*		*P4I2006*	*09/20/24 14:12*	*09/21/24 04:19*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/20/24 14:12	09/21/24 04:19	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/20/24 14:12	09/21/24 04:19	EPA 8021B	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
13000 West County Road 100	Project Number: SRS 2001-11226
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-5

4I19007-03 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 04:41	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 04:41	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 04:41	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 04:41	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 04:41	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*101 %*	*80-120*		*P4I2006*	*09/20/24 14:12*	*09/21/24 04:41*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*88.3 %*	*80-120*		*P4I2006*	*09/20/24 14:12*	*09/21/24 04:41*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/20/24 14:12	09/21/24 04:41	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/20/24 14:12	09/21/24 04:41	EPA 8021B	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
13000 West County Road 100	Project Number: SRS 2001-11226
Odessa TX, 79765	Project Manager: Kimble Thrash

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4I19007-04 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 05:03	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 05:03	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 05:03	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 05:03	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 05:03	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*103 %*	*80-120*		*P4I2006*	*09/20/24 14:12*	*09/21/24 05:03*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*89.3 %*	*80-120*		*P4I2006*	*09/20/24 14:12*	*09/21/24 05:03*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/20/24 14:12	09/21/24 05:03	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/20/24 14:12	09/21/24 05:03	EPA 8021B	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
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Odessa TX, 79765	Project Manager: Kimble Thrash

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4I19007-05 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 05:25	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 05:25	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 05:25	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 05:25	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 05:25	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		*P4I2006*	*09/20/24 14:12*	*09/21/24 05:25*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*89.5 %*	*80-120*		*P4I2006*	*09/20/24 14:12*	*09/21/24 05:25*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/20/24 14:12	09/21/24 05:25	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/20/24 14:12	09/21/24 05:25	EPA 8021B	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
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Odessa TX, 79765	Project Manager: Kimble Thrash

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4I19007-06 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 05:46	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 05:46	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 05:46	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 05:46	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 05:46	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*103 %*	*80-120*		*P4I2006*	*09/20/24 14:12*	*09/21/24 05:46*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*88.8 %*	*80-120*		*P4I2006*	*09/20/24 14:12*	*09/21/24 05:46*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/20/24 14:12	09/21/24 05:46	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/20/24 14:12	09/21/24 05:46	EPA 8021B	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
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Odessa TX, 79765	Project Manager: Kimble Thrash

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4I19007-07 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 06:08	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 06:08	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 06:08	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 06:08	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 06:08	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		*P4I2006*	*09/20/24 14:12*	*09/21/24 06:08*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*88.8 %*	*80-120*		*P4I2006*	*09/20/24 14:12*	*09/21/24 06:08*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/20/24 14:12	09/21/24 06:08	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/20/24 14:12	09/21/24 06:08	EPA 8021B	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
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Odessa TX, 79765	Project Manager: Kimble Thrash

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4I19007-08 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 06:30	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 06:30	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 06:30	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 06:30	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 06:30	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		*P4I2006*	*09/20/24 14:12*	*09/21/24 06:30*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*87.6 %*	*80-120*		*P4I2006*	*09/20/24 14:12*	*09/21/24 06:30*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/20/24 14:12	09/21/24 06:30	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/20/24 14:12	09/21/24 06:30	EPA 8021B	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
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4I19007-09 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 06:51	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 06:51	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 06:51	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 06:51	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 06:51	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		*P4I2006*	*09/20/24 14:12*	*09/21/24 06:51*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*88.6 %*	*80-120*		*P4I2006*	*09/20/24 14:12*	*09/21/24 06:51*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/20/24 14:12	09/21/24 06:51	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/20/24 14:12	09/21/24 06:51	EPA 8021B	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
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Odessa TX, 79765	Project Manager: Kimble Thrash

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4I19007-10 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 07:13	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 07:13	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 07:13	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 07:13	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I2006	09/20/24 14:12	09/21/24 07:13	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*101 %*	*80-120*		*P4I2006*	*09/20/24 14:12*	*09/21/24 07:13*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*88.8 %*	*80-120*		*P4I2006*	*09/20/24 14:12*	*09/21/24 07:13*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/20/24 14:12	09/21/24 07:13	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/20/24 14:12	09/21/24 07:13	EPA 8021B	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
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Odessa TX, 79765	Project Manager: Kimble Thrash

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4I2005 - * DEFAULT PREP *** **										
Blank (P4I2005-BLK1)				Prepared & Analyzed: 09/20/24						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.128*		"	*0.120*		*106*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.106*		"	*0.120*		*88.1*	*80-120*			
LCS (P4I2005-BS1)				Prepared & Analyzed: 09/20/24						
Benzene	0.0970	0.00100	mg/L	0.100		97.0	80-120			
Toluene	0.105	0.00100	"	0.100		105	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.238	0.00200	"	0.200		119	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 4-Bromofluorobenzene	*0.132*		"	*0.120*		*110*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*96.1*	*80-120*			
LCS Dup (P4I2005-BSD1)				Prepared & Analyzed: 09/20/24						
Benzene	0.0962	0.00100	mg/L	0.100		96.2	80-120	0.735	20	
Toluene	0.104	0.00100	"	0.100		104	80-120	0.383	20	
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120	0.0924	20	
Xylene (p/m)	0.237	0.00200	"	0.200		118	80-120	0.484	20	
Xylene (o)	0.107	0.00100	"	0.100		107	80-120	0.986	20	
Surrogate: 4-Bromofluorobenzene	*0.132*		"	*0.120*		*110*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*95.9*	*80-120*			
Calibration Blank (P4I2005-CCB1)				Prepared & Analyzed: 09/20/24						
Benzene	0.00		ug/l							
Toluene	0.400		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.126*		"	*0.120*		*105*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.105*		"	*0.120*		*87.2*	*80-120*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
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Odessa TX, 79765	Project Manager: Kimble Thrash

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4I2005 - * DEFAULT PREP *** **										
Calibration Blank (P4I2005-CCB2)				Prepared & Analyzed: 09/20/24						
Benzene	0.00		ug/l							
Toluene	0.300		"							
Ethylbenzene	0.230		"							
Xylene (p/m)	0.250		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.125*		*"*	*0.120*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.106*		*"*	*0.120*		*88.6*	*80-120*			
Calibration Blank (P4I2005-CCB3)				Prepared: 09/20/24 Analyzed: 09/21/24						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.123*		*"*	*0.120*		*102*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.106*		*"*	*0.120*		*88.6*	*80-120*			
Calibration Check (P4I2005-CCV1)				Prepared & Analyzed: 09/20/24						
Benzene	0.102	0.00100	mg/L	0.100		102	80-120			
Toluene	0.110	0.00100	"	0.100		110	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.240	0.00200	"	0.200		120	80-120			
Xylene (o)	0.112	0.00100	"	0.100		112	80-120			
Surrogate: 4-Bromofluorobenzene	*0.123*		*"*	*0.120*		*102*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.110*		*"*	*0.120*		*91.2*	*80-120*			
Calibration Check (P4I2005-CCV2)				Prepared & Analyzed: 09/20/24						
Benzene	0.104	0.00100	mg/L	0.100		104	80-120			
Toluene	0.110	0.00100	"	0.100		110	80-120			
Ethylbenzene	0.111	0.00100	"	0.100		111	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		119	80-120			
Xylene (o)	0.112	0.00100	"	0.100		112	80-120			
Surrogate: 4-Bromofluorobenzene	*0.124*		*"*	*0.120*		*103*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.110*		*"*	*0.120*		*91.8*	*80-120*			

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Odessa TX, 79765	Project Manager: Kimble Thrash

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4I2005 - * DEFAULT PREP *** **										
Calibration Check (P4I2005-CCV3)				Prepared: 09/20/24 Analyzed: 09/21/24						
Benzene	0.100	0.00100	mg/L	0.100		100	80-120			
Toluene	0.109	0.00100	"	0.100		109	80-120			
Ethylbenzene	0.111	0.00100	"	0.100		111	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		120	80-120			
Xylene (o)	0.110	0.00100	"	0.100		110	80-120			
Surrogate: 4-Bromofluorobenzene	*0.125*		"	*0.120*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.110*		"	*0.120*		*91.5*	*80-120*			
Matrix Spike (P4I2005-MS1)		**Source: 4I19003-14**		Prepared: 09/20/24 Analyzed: 09/21/24						
Benzene	0.0825	0.00100	mg/L	0.100	ND	82.5	80-120			
Toluene	0.0838	0.00100	"	0.100	ND	83.8	80-120			
Ethylbenzene	0.0926	0.00100	"	0.100	ND	92.6	80-120			
Xylene (p/m)	0.191	0.00200	"	0.200	ND	95.6	80-120			
Xylene (o)	0.0821	0.00100	"	0.100	ND	82.1	80-120			
Surrogate: 4-Bromofluorobenzene	*0.126*		"	*0.120*		*105*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.112*		"	*0.120*		*93.4*	*80-120*			
Matrix Spike Dup (P4I2005-MSD1)		**Source: 4I19003-14**		Prepared: 09/20/24 Analyzed: 09/21/24						
Benzene	0.115	0.00100	mg/L	0.100	ND	115	80-120	33.3	20	R3
Toluene	0.124	0.00100	"	0.100	ND	124	80-120	38.9	20	R3
Ethylbenzene	0.140	0.00100	"	0.100	ND	140	80-120	41.0	20	R3
Xylene (p/m)	0.276	0.00200	"	0.200	ND	138	80-120	36.2	20	R3
Xylene (o)	0.124	0.00100	"	0.100	ND	124	80-120	40.7	20	R3
Surrogate: 4-Bromofluorobenzene	*0.126*		"	*0.120*		*105*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.112*		"	*0.120*		*93.4*	*80-120*			
Batch P4I2006 - * DEFAULT PREP *** **										
Blank (P4I2006-BLK1)				Prepared: 09/20/24 Analyzed: 09/21/24						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.126*		"	*0.120*		*105*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.106*		"	*0.120*		*88.0*	*80-120*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
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Odessa TX, 79765	Project Manager: Kimble Thrash

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4I2006 - * DEFAULT PREP *** **										
LCS (P4I2006-BS1)				Prepared: 09/20/24 Analyzed: 09/21/24						
Benzene	0.0956	0.00100	mg/L	0.100		95.6	80-120			
Toluene	0.107	0.00100	"	0.100		107	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.238	0.00200	"	0.200		119	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 4-Bromofluorobenzene	*0.126*		*"*	*0.120*		*105*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.113*		*"*	*0.120*		*94.3*	*80-120*			
LCS Dup (P4I2006-BSD1)				Prepared: 09/20/24 Analyzed: 09/21/24						
Benzene	0.102	0.00100	mg/L	0.100		102	80-120	6.29	20	
Toluene	0.108	0.00100	"	0.100		108	80-120	1.70	20	
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120	3.53	20	
Xylene (p/m)	0.240	0.00200	"	0.200		120	80-120	0.707	20	
Xylene (o)	0.109	0.00100	"	0.100		109	80-120	3.10	20	
Surrogate: 4-Bromofluorobenzene	*0.123*		*"*	*0.120*		*103*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.110*		*"*	*0.120*		*91.4*	*80-120*			
Calibration Blank (P4I2006-CCB1)				Prepared: 09/20/24 Analyzed: 09/21/24						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.123*		*"*	*0.120*		*102*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.106*		*"*	*0.120*		*88.6*	*80-120*			
Calibration Blank (P4I2006-CCB2)				Prepared: 09/20/24 Analyzed: 09/21/24						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.130		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.125*		*"*	*0.120*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.106*		*"*	*0.120*		*88.2*	*80-120*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
13000 West County Road 100	Project Number: SRS 2001-11226
Odessa TX, 79765	Project Manager: Kimble Thrash

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4I2006 - * DEFAULT PREP *** **										
Calibration Blank (P4I2006-CCB3)				Prepared: 09/20/24 Analyzed: 09/21/24						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.150		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.107*		*"*	*0.120*		*89.0*	*80-120*			
Calibration Check (P4I2006-CCV1)				Prepared: 09/20/24 Analyzed: 09/21/24						
Benzene	0.100	0.00100	mg/L	0.100		100	80-120			
Toluene	0.109	0.00100	"	0.100		109	80-120			
Ethylbenzene	0.111	0.00100	"	0.100		111	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		120	80-120			
Xylene (o)	0.110	0.00100	"	0.100		110	80-120			
Surrogate: 4-Bromofluorobenzene	*0.125*		*"*	*0.120*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.110*		*"*	*0.120*		*91.5*	*80-120*			
Calibration Check (P4I2006-CCV2)				Prepared: 09/20/24 Analyzed: 09/21/24						
Benzene	0.0994	0.00100	mg/L	0.100		99.4	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120			
Xylene (p/m)	0.233	0.00200	"	0.200		117	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	*0.128*		*"*	*0.120*		*106*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.113*		*"*	*0.120*		*94.1*	*80-120*			
Calibration Check (P4I2006-CCV3)				Prepared: 09/20/24 Analyzed: 09/21/24						
Benzene	0.0944	0.00100	mg/L	0.100		94.4	80-120			
Toluene	0.0973	0.00100	"	0.100		97.3	80-120			
Ethylbenzene	0.0980	0.00100	"	0.100		98.0	80-120			
Xylene (p/m)	0.218	0.00200	"	0.200		109	80-120			
Xylene (o)	0.0977	0.00100	"	0.100		97.7	80-120			
Surrogate: 4-Bromofluorobenzene	*0.125*		*"*	*0.120*		*105*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		*"*	*0.120*		*94.7*	*80-120*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
13000 West County Road 100	Project Number: SRS 2001-11226
Odessa TX, 79765	Project Manager: Kimble Thrash

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4I2006 - * DEFAULT PREP *** **										
Matrix Spike (P4I2006-MS1)	**Source: 4I19007-02**			Prepared: 09/20/24 Analyzed: 09/21/24						
Benzene	0.108	0.00100	mg/L	0.100	ND	108	80-120			
Toluene	0.115	0.00100	"	0.100	ND	115	80-120			
Ethylbenzene	0.128	0.00100	"	0.100	ND	128	80-120			R3
Xylene (p/m)	0.255	0.00200	"	0.200	ND	127	80-120			R3
Xylene (o)	0.114	0.00100	"	0.100	ND	114	80-120			
Surrogate: 4-Bromofluorobenzene	*0.127*		"	*0.120*		*106*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.113*		"	*0.120*		*94.3*	*80-120*			
Matrix Spike Dup (P4I2006-MSD1)	**Source: 4I19007-02**			Prepared: 09/20/24 Analyzed: 09/21/24						
Benzene	0.102	0.00100	mg/L	0.100	ND	102	80-120	6.24	20	
Toluene	0.106	0.00100	"	0.100	ND	106	80-120	7.44	20	
Ethylbenzene	0.119	0.00100	"	0.100	ND	119	80-120	7.29	20	
Xylene (p/m)	0.240	0.00200	"	0.200	ND	120	80-120	5.95	20	
Xylene (o)	0.106	0.00100	"	0.100	ND	106	80-120	7.15	20	
Surrogate: 4-Bromofluorobenzene	*0.127*		"	*0.120*		*106*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.113*		"	*0.120*		*94.4*	*80-120*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
13000 West County Road 100	Project Number: SRS 2001-11226
Odessa TX, 79765	Project Manager: Kimble Thrash

Notes and Definitions

ROI	Received on Ice
R3	The RPD exceeded the acceptance limit due to sample matrix effects.
pH1	The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.
NPBEL C(	Chain of Custody was not generated at PBELAB
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 9/26/2024

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____ W: _____

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

Project Manager: Kimble Thrash
Company Name: Etech Environmental & Safety Solutions, Inc.
Company Address: P.O. Box 6228
City/State/Zip: Midland, TX 79711
Telephone No: (432) 563-2200 **Fax No:** (432) 563-2213
Sampler Signature:

Project Name: SRS 2001-11226
Project #: SRS 2001-11226
Project Loc: Lea County, NM
PO #:
Report Format: ☑ Standard ☐ TRRP ☐ NPDES
e-mail: kimble@etechenv.com; shane@etechenv.com; camille.bryant@plains.com; karolanne.hudgens@plains.com

(lab use only)
ORDER #: 4I19007

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: BTEX 8021 B	RUSH TAT (Pre-Schedule) 24, 48, 72 h	Standard TAT
1	MW-2	-	-	09/18/24	1555		3			3						GW	3		X
2	MW-3	-	-	09/18/24	1020		3			3						GW	3		X
3	MW-5	-	-	09/18/24	1420		3			3						GW	3		X
4	MW-6	-	-	09/18/24	1135		3			3						GW	3		X
5	MW-7	-	-	09/18/24	0900		3			3						GW	3		X
6	MW-8	-	-	09/18/24	1730		3			3						GW	3		X
7	MW-9	-	-	09/18/24	1300		3			3						GW	3		X
8	MW-10	-	-	09/17/24	1815		3			3						GW	3		X
9	MW-11	-	-	09/17/24	1645		3			3						GW	3		X
10	DUP-1	-	-	09/18/24	1556		3			3						GW	3		X

TCLP:
TOTAL:

Special Instructions: Please invoice directly to Plains A/P 333 Clay St., Houston, TX 77002 and reference the SRS number in the Project Name.

Relinquished by:	Date: 9/19/24	Time: 1255	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by PBEL:	Date: 9/19/24	Time: 12:55

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 3.2 °C Thermometor: NCE 13
Adjusted: °C Factor:

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

Analytical Report

Prepared for:

Kimble Thrash
E Tech Environmental & Safety Solutions, Inc. [1]
13000 West County Road 100
Odessa, TX 79765

Project: SRS 2001-11226
Project Number: SRS 2001-11226
Location: Lea County, NM

Lab Order Number: 4L13004

Current Certification

Report Date: 12/20/24

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
13000 West County Road 100	Project Number: SRS 2001-11226
Odessa TX, 79765	Project Manager: Kimble Thrash

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	4L13004-01	Water	12/11/24 17:15	12-13-2024 10:42
MW-3	4L13004-02	Water	12/11/24 13:35	12-13-2024 10:42
MW-5	4L13004-03	Water	12/12/24 08:30	12-13-2024 10:42
MW-6	4L13004-04	Water	12/11/24 14:45	12-13-2024 10:42
MW-9	4L13004-05	Water	12/11/24 16:00	12-13-2024 10:42
DUP-1	4L13004-06	Water	12/11/24 08:31	12-13-2024 10:42

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
13000 West County Road 100	Project Number: SRS 2001-11226
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-2

4L13004-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4L1609	12/16/24 10:48	12/16/24 19:02	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1609	12/16/24 10:48	12/16/24 19:02	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1609	12/16/24 10:48	12/16/24 19:02	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1609	12/16/24 10:48	12/16/24 19:02	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1609	12/16/24 10:48	12/16/24 19:02	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*79.4 %*	*80-120*		*P4L1609*	*12/16/24 10:48*	*12/16/24 19:02*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*102 %*	*80-120*		*P4L1609*	*12/16/24 10:48*	*12/16/24 19:02*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/16/24 10:48	12/16/24 19:02	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/16/24 10:48	12/16/24 19:02	EPA 8021B	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
13000 West County Road 100	Project Number: SRS 2001-11226
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-3

4L13004-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4L1609	12/16/24 10:48	12/16/24 19:25	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1609	12/16/24 10:48	12/16/24 19:25	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1609	12/16/24 10:48	12/16/24 19:25	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1609	12/16/24 10:48	12/16/24 19:25	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1609	12/16/24 10:48	12/16/24 19:25	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*78.3 %*	*80-120*		*P4L1609*	*12/16/24 10:48*	*12/16/24 19:25*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*101 %*	*80-120*		*P4L1609*	*12/16/24 10:48*	*12/16/24 19:25*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/16/24 10:48	12/16/24 19:25	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/16/24 10:48	12/16/24 19:25	EPA 8021B	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
13000 West County Road 100	Project Number: SRS 2001-11226
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-5

4L13004-03 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4L1609	12/16/24 10:48	12/16/24 19:47	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1609	12/16/24 10:48	12/16/24 19:47	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1609	12/16/24 10:48	12/16/24 19:47	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1609	12/16/24 10:48	12/16/24 19:47	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1609	12/16/24 10:48	12/16/24 19:47	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*79.4 %*	*80-120*		*P4L1609*	*12/16/24 10:48*	*12/16/24 19:47*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*102 %*	*80-120*		*P4L1609*	*12/16/24 10:48*	*12/16/24 19:47*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/16/24 10:48	12/16/24 19:47	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/16/24 10:48	12/16/24 19:47	EPA 8021B	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
13000 West County Road 100	Project Number: SRS 2001-11226
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-6

4L13004-04 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4L1609	12/16/24 10:48	12/16/24 20:10	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1609	12/16/24 10:48	12/16/24 20:10	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1609	12/16/24 10:48	12/16/24 20:10	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1609	12/16/24 10:48	12/16/24 20:10	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1609	12/16/24 10:48	12/16/24 20:10	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*78.8 %*	*80-120*		*P4L1609*	*12/16/24 10:48*	*12/16/24 20:10*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*101 %*	*80-120*		*P4L1609*	*12/16/24 10:48*	*12/16/24 20:10*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/16/24 10:48	12/16/24 20:10	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/16/24 10:48	12/16/24 20:10	EPA 8021B	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
13000 West County Road 100	Project Number: SRS 2001-11226
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-9

4L13004-05 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4L1609	12/16/24 10:48	12/16/24 20:32	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1609	12/16/24 10:48	12/16/24 20:32	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1609	12/16/24 10:48	12/16/24 20:32	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1609	12/16/24 10:48	12/16/24 20:32	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1609	12/16/24 10:48	12/16/24 20:32	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*78.6 %*	*80-120*		*P4L1609*	*12/16/24 10:48*	*12/16/24 20:32*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*101 %*	*80-120*		*P4L1609*	*12/16/24 10:48*	*12/16/24 20:32*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/16/24 10:48	12/16/24 20:32	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/16/24 10:48	12/16/24 20:32	EPA 8021B	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
13000 West County Road 100	Project Number: SRS 2001-11226
Odessa TX, 79765	Project Manager: Kimble Thrash

DUP-1

4L13004-06 (Water)

Permian Basin Environmental Lab, L.P.

Organics by GC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.00100	mg/L	1	P4L1609	12/16/24 10:48	12/16/24 20:55	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1609	12/16/24 10:48	12/16/24 20:55	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1609	12/16/24 10:48	12/16/24 20:55	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1609	12/16/24 10:48	12/16/24 20:55	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1609	12/16/24 10:48	12/16/24 20:55	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*78.9 %*	*80-120*		*P4L1609*	*12/16/24 10:48*	*12/16/24 20:55*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*102 %*	*80-120*		*P4L1609*	*12/16/24 10:48*	*12/16/24 20:55*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/16/24 10:48	12/16/24 20:55	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/16/24 10:48	12/16/24 20:55	EPA 8021B	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
13000 West County Road 100	Project Number: SRS 2001-11226
Odessa TX, 79765	Project Manager: Kimble Thrash

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4L1609 - * DEFAULT PREP *** **										
Blank (P4L1609-BLK1)				Prepared & Analyzed: 12/16/24						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.0921*		"	*0.120*		*76.7*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.123*		"	*0.120*		*102*	*80-120*			
LCS (P4L1609-BS1)				Prepared & Analyzed: 12/16/24						
Benzene	0.0974	0.00100	mg/L	0.100		97.4	80-120			
Toluene	0.0927	0.00100	"	0.100		92.7	80-120			
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120			
Xylene (p/m)	0.207	0.00200	"	0.200		104	80-120			
Xylene (o)	0.0929	0.00100	"	0.100		92.9	80-120			
Surrogate: 4-Bromofluorobenzene	*0.0990*		"	*0.120*		*82.5*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.134*		"	*0.120*		*111*	*80-120*			
LCS Dup (P4L1609-BSD1)				Prepared & Analyzed: 12/16/24						
Benzene	0.0955	0.00100	mg/L	0.100		95.5	80-120	1.96	20	
Toluene	0.0933	0.00100	"	0.100		93.3	80-120	0.699	20	
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120	1.78	20	
Xylene (p/m)	0.211	0.00200	"	0.200		105	80-120	1.63	20	
Xylene (o)	0.0933	0.00100	"	0.100		93.3	80-120	0.462	20	
Surrogate: 4-Bromofluorobenzene	*0.100*		"	*0.120*		*83.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.132*		"	*0.120*		*110*	*80-120*			
Calibration Blank (P4L1609-CCB1)				Prepared & Analyzed: 12/16/24						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.200		"							
Xylene (p/m)	0.280		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.0960*		"	*0.120*		*80.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		"	*0.120*		*101*	*80-120*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
13000 West County Road 100	Project Number: SRS 2001-11226
Odessa TX, 79765	Project Manager: Kimble Thrash

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4L1609 - * DEFAULT PREP *** **										
Calibration Blank (P4L1609-CCB2)				Prepared & Analyzed: 12/16/24						
Benzene	0.460		ug/l							
Toluene	0.340		"							
Ethylbenzene	0.260		"							
Xylene (p/m)	0.490		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.0957*		*"*	*0.120*		*79.8*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.121*		*"*	*0.120*		*101*	*80-120*			
Calibration Check (P4L1609-CCV1)				Prepared & Analyzed: 12/16/24						
Benzene	0.0944	0.00100	mg/L	0.100		94.4	80-120			
Toluene	0.0914	0.00100	"	0.100		91.4	80-120			
Ethylbenzene	0.0912	0.00100	"	0.100		91.2	80-120			
Xylene (p/m)	0.200	0.00200	"	0.200		100	80-120			
Xylene (o)	0.0918	0.00100	"	0.100		91.8	80-120			
Surrogate: 4-Bromofluorobenzene	*0.0975*		*"*	*0.120*		*81.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.132*		*"*	*0.120*		*110*	*80-120*			
Calibration Check (P4L1609-CCV2)				Prepared & Analyzed: 12/16/24						
Benzene	0.0968	0.00100	mg/L	0.100		96.8	80-120			
Toluene	0.0912	0.00100	"	0.100		91.2	80-120			
Ethylbenzene	0.0893	0.00100	"	0.100		89.3	80-120			
Xylene (p/m)	0.196	0.00200	"	0.200		97.9	80-120			
Xylene (o)	0.0902	0.00100	"	0.100		90.2	80-120			
Surrogate: 4-Bromofluorobenzene	*0.0959*		*"*	*0.120*		*79.9*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.132*		*"*	*0.120*		*110*	*80-120*			
Calibration Check (P4L1609-CCV3)				Prepared & Analyzed: 12/16/24						
Benzene	0.104	0.00100	mg/L	0.100		104	80-120			
Toluene	0.0995	0.00100	"	0.100		99.5	80-120			
Ethylbenzene	0.0994	0.00100	"	0.100		99.4	80-120			
Xylene (p/m)	0.218	0.00200	"	0.200		109	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	*0.0984*		*"*	*0.120*		*82.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.133*		*"*	*0.120*		*111*	*80-120*			

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Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4L1609 - * DEFAULT PREP *** **										
Matrix Spike (P4L1609-MS1)	**Source: 4L16004-01**			Prepared & Analyzed: 12/16/24						
Benzene	0.0949	0.00100	mg/L	0.100	0.00448	90.4	80-120			
Toluene	0.0888	0.00100	"	0.100	0.00604	82.7	80-120			
Ethylbenzene	0.0832	0.00100	"	0.100	ND	83.2	80-120			
Xylene (p/m)	0.170	0.00200	"	0.200	0.00235	84.0	80-120			
Xylene (o)	0.0770	0.00100	"	0.100	0.000690	76.3	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	*0.0980*		"	*0.120*		*81.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.133*		"	*0.120*		*111*	*80-120*			
Matrix Spike Dup (P4L1609-MSD1)	**Source: 4L16004-01**			Prepared & Analyzed: 12/16/24						
Benzene	0.0991	0.00100	mg/L	0.100	0.00448	94.6	80-120	4.55	20	
Toluene	0.0942	0.00100	"	0.100	0.00604	88.2	80-120	6.44	20	
Ethylbenzene	0.0898	0.00100	"	0.100	ND	89.8	80-120	7.67	20	
Xylene (p/m)	0.182	0.00200	"	0.200	0.00235	89.9	80-120	6.78	20	
Xylene (o)	0.0822	0.00100	"	0.100	0.000690	81.5	80-120	6.53	20	
Surrogate: 4-Bromofluorobenzene	*0.0964*		"	*0.120*		*80.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.131*		"	*0.120*		*109*	*80-120*			

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Notes and Definitions

S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
ROI	Received on Ice
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
pH1	The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.
NPBEL C(	Chain of Custody was not generated at PBELAB
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 12/20/2024

Brent Barron, Laboratory Director/Technical Director

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2001-11226
13000 West County Road 100	Project Number: SRS 2001-11226
Odessa TX, 79765	Project Manager: Kimble Thrash

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____ W: _____

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

Project Manager: Kimble Thrash
Company Name: Etech Environmental & Safety Solutions, Inc.
Company Address: P.O. Box 6228
City/State/Zip: Midland, TX 79711
Telephone No: (432) 563-2200 **Fax No:** (432) 563-2213
Sampler Signature:

Project Name: SRS 2001-11226
Project #: SRS 2001-11226
Project Loc: Lea County, NM
PO #:
Report Format: ☑ Standard ☐ TRRP ☐ NPDES
e-mail: kimble@etechenv.com; shane@etechenv.com; camille.bryant@plains.com; karolanne.hudgens@plains.com

(lab use only)
ORDER #: 4L13004

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: BTEX 8021 B	RUSH TAT (Pre-Schedule) 24, 48, 72 hr	Standard TAT
1	MW-2	-	-	12/11/24	1715		3			3						GW	3		X
2	MW-3	-	-	12/11/24	1335		3			3						GW	3		X
3	MW-5	-	-	12/12/24	0830		3			3						GW	3		X
4	MW-6	-	-	12/11/24	1445		3			3						GW	3		X
5	MW-9	-	-	12/11/24	1600		3			3						GW	3		X
6	DUP-1	-	-	12/11/24	0831		3			3						GW	3		X

TCLP:
TOTAL:

Special Instructions: Please invoice directly to Plains A/P 333 Clay St., Houston, TX 77002 and reference the SRS number in the Project Name.

	Relinquished by:	Date	Time	Received by:	Date	Time
1		12/13/24	1043			
2						
3				Received by PBEL:	12/13/24	10:42

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 by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 1.3 °C Thermometor: NF 13
Adjusted: °C Factor:

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID: 34053
	Action Number: 484671
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
jburdine	Review of the 2024 Annual Groundwater Monitoring Report: approved 1. Gauge and conduct quarterly sampling events for wells: MW-2, MW-3, MW-5 and MW-6 for BTEX. 2. On an annual basis, conduct sampling & gauging for MW-7, MW-8, MW-10, and MW-11 as prescribed. 3. Conduct AFR events to prevent the down-gradient migration of dissolved phase/free-phase plume 4. Submit the 2025 annual report to OCD by April 1, 2026.	7/29/2025