2024 Annual Groundwater Monitoring Report

Plains All American Pipeline, LP
14-Inch Vac to Jal Legacy
Lea County, New Mexico
Unit Letter "F", Section 25, Township 25 South, Range 37 East
Latitude 32.1029722° North, Longitude 103.1195278° West
Plains SRS #: 2009-092
NMOCD Reference #: 1RP-2162
NMOCD Incident ID #: nAPP2109729126

Prepared By:

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APPENDICES

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 14-Inch Vac to Jal Legacy 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 1st of each year.

The legal description of the release site is Unit Letter "F" (SE/NW), Section 25, Township 25 South, Range 37 East, in Lea County, New Mexico. The geographic coordinates of the site are 32.1029722 North latitude and 103.1195278 West longitude. A "Site Location Map" is provided as Figure 1A.

2.0 BACKGROUND INFORMATION

On April 9, 2009, Plains discovered a crude oil release from a 14-inch steel pipeline. The cause of the release was attributed to external corrosion of the pipeline. The release was reported to the NMOCD on April 9, 2009. During initial response activities, a temporary clamp was installed on the pipeline to mitigate the release. Approximately 250 barrels (bbls) of crude oil was released, with no recovery.

On April 9, 2009, following initial response activities, excavation of hydrocarbon-impacted soil commenced at the site. To facilitate remediation activities, the excavation was divided into two (2) sections: Main Excavation and West Excavation. Excavated soil was stockpiled on-site on a plastic liner to mitigate the potential leaching of contaminants into the vadose zone. Approximately 18,000 cubic yards (yd^3) of impacted soil was excavated and stockpiled on-site during excavation activities. Final dimensions of the Main Excavation were approximately 400 feet (ft.) in length, approximately 200 ft. in width, and five (5) to 14 ft. in depth. Final dimensions of the West Excavation were approximately 150 ft. in length, approximately 105 ft. in width, and approximately 10 ft. in depth. Due to safety concerns associated with excavating near and supporting two (2) 14-inch diameter pipelines which bisect the release site, Plains requested and received NMOCD approval to leave the soil beneath and adjacent to the pipelines in-situ.

On July 2 and 3, 2009, three (3) soil borings (SB-1, SB-2, and SB-3) were advanced at the release site to evaluate the vertical extent of soil impact. During the advancement of the soil borings, groundwater was encountered at approximately 64 ft. below ground surface (bgs). On July 1, 2009, soil boring SB-1 was converted to monitor well MW-1.

On July 2, 2009, temporary casing was installed in soil borings SB-2 and SB-3 to allow a preliminary groundwater sample to be collected for analysis. Following collection of the preliminary groundwater sample, the temporary casing was removed from soil borings SB-2 and SB-3, and the soil borings were plugged with cement and bentonite, pursuant to NMOCD and New Mexico Office of the State Engineer (NMOSE) standards.

On December 10, 2009, two (2) soil borings (SB-4 and SB-5) were installed up-gradient of the excavation to evaluate the potential groundwater impact from an up-gradient, off-site source. During the advancement of soil borings SB-4 and SB-5, groundwater was encountered at

approximately 64 ft. bgs. Temporary casing was installed in soil borings SB-4 and SB-5 to allow a preliminary groundwater sample to be collected for analysis. Following collection of the preliminary groundwater sample, the temporary casing was removed from soil borings SB-4 and SB-5, and the soil borings were plugged with cement and bentonite, pursuant to NMOCD and NMOSE standards.

A measurable thickness of Phase-Separate Hydrocarbons (PSH) was detected in monitor well MW-1 during the April 12, 2012, quarterly monitoring event. Monthly gauging and manual recovery of PSH from MW-1 commenced in April 2012.

From May 6 through May 8, 2013, five (5) additional monitor wells (MW-2 through MW-6) were installed to evaluate the status of the groundwater at the site. The monitor wells were installed to total depths of approximately 80 ft. bgs. Monitor well MW-2 is located approximately 380 ft. to the northwest (up-gradient) of monitor well MW-1. Monitor well MW-3 is located approximately 200 ft. to the northeast (cross-gradient) of monitor well MW-1. Monitor well MW-4 is located approximately 100 ft. to the northwest (up-gradient) of monitor well MW-1. Monitor well MW-5 is located approximately 280 ft. to the west-northwest (cross-gradient) of monitor well MW-1. Monitor well MW-6 is located approximately 150 ft. to the southeast (down-gradient) of monitor well MW-1.

PSH was not observed in monitor wells MW-2 through MW-6. Laboratory analytical results from soil samples collected during the installation of the monitor wells indicated that benzene, toluene, ethylbenzene, and total xylenes (BTEX), total petroleum hydrocarbons (TPH), and chloride concentrations were less than NMOCD regulatory standards in each of the submitted soil samples.

From June 25 through June 26, 2014, three (3) additional monitor wells (MW-7, MW-8, and MW-9) were installed to further monitor the down- and cross-gradient migration of the dissolved-phase plume. The monitor wells were installed to total depths of approximately 80 ft. bgs. Monitor well MW-7 is located approximately 45 ft. to the southeast (down-gradient) of monitor well MW-1. Monitor well MW-8 is located approximately 180 ft. to the east-northeast (cross-gradient) of monitor well MW-1. Monitor well MW-9 is located approximately 150 ft. to the southeast (down-gradient) of monitor well MW-1.

PSH was not observed in monitor wells MW-7 through MW-9. Laboratory analytical results from soil samples collected during the installation of the monitor wells indicated that benzene, BTEX, TPH, and chloride concentrations were less than NMOCD regulatory standards in each of the submitted soil samples.

The 14-Inch Vac to Jal Legacy release site is located approximately 1,147 ft. to the south-southeast of a documented groundwater remediation site (Arco South Justis Unit F-230). It is believed the elevated BTEX concentrations observed in groundwater samples collected from monitor well MW-2 are the result of the downgradient position of the 14-Inch Vac to Jal Legacy release site. Information regarding this site can be found in the NMOCD imaging system.

Based on laboratory analytical results from groundwater samples collected from monitor well MW-5, which is located approximately 260 ft. to the west-southwest (cross-gradient) of the release

point, and the absence of elevated chloride concentrations in the soil columns of monitor wells MW-2 through MW-6, Plains requested permission from the NMOCD to cease monitoring of total dissolved solids (TDS) and chloride in the 2013 Annual Monitoring Report, dated March 2014. The request was subsequently approved by the NMOCD, with a caveat requiring a chloride sample be collected from monitor well MW-2 on a quarterly basis. Quarterly chloride monitoring of monitor well MW-2 commenced in November 2014.

On February 20, 2018, five (5) additional monitor wells (MW-10 through MW-14) were installed to further evaluate the status of groundwater at the site. The monitor wells were each advanced to a total depth of approximately 80 ft. bgs. Monitor well MW-10 is located approximately 210 ft. to the north-northwest (up-gradient) of monitor well MW-1. Monitor well MW-11 is located approximately 350 ft. to the north-northeast (up- and cross-gradient) of monitor well MW-1. Monitor well MW-12 is located approximately 260 ft. to the east-northeast (cross-gradient) of monitor well MW-1. Monitor well MW-13 is located approximately 260 ft. to the east (cross-gradient) of monitor well MW-1. Monitor well MW-14 is located approximately 225 ft. to the southeast (down-gradient) of monitor well MW-1.

On November 9, 2018, the on-site monitor wells were surveyed by a licensed Professional Land Surveyor.

In February 2023, Etech, at the request of Plains, assumed project management and oversight responsibilities for groundwater remediation activities at the 14-Inch Vac to Jal Legacy release site.

Currently, a total of 14 monitor wells (MW-1 through MW-14) are located at the 14-Inch Vac to Jal Legacy release site. Monitor well MW-1 is gauged monthly but not sampled due to the presence of PSH. MW-2, MW-3, MW-4, MW-7, MW-8, and MW-10 are gauged and sampled on a quarterly schedule. Monitor wells MW-5, MW-6, MW-9, and MW-11 through MW-14 are sampled on a semiannual basis.

A ”Site Map” is provided as Figure 1B.

3.0 FIELD ACTIVITIES

3.1 Groundwater Remediation Activities

A measurable thickness of PSH was detected in monitor well MW-1 during the April 12, 2012, quarterly monitoring event. In April 2012, monthly gauging and PSH recovery activities commenced and were conducted until November 2013. In November 2013, the frequency of PSH recovery was increased to semi-monthly (twice per month) until June 2014. In June 2014, the frequency was increased to weekly. Weekly recovery continued until the second quarter of 2020, at which time the frequency was reduced to monthly as a result of the COVID-19 pandemic. 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-1, MW-3, MW-4, and MW-8 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 was 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-1, an estimated 3,234 gallons (77.0 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-1 during the reporting period was 0.01 feet.

For monitor well MW-3, an estimated 2,194 gallons (52.2 bbls) of hydrocarbon-impacted groundwater was recovered during the reporting period via a combination of manual recovery and AFR.

For monitor well MW-4, an estimated 2,194 gallons (52.2 bbls) of hydrocarbon-impacted groundwater was recovered during the reporting period via a combination of manual recovery and AFR.

For monitor well MW-8, an estimated 2,193 gallons (52.2 bbls) of hydrocarbon-impacted groundwater was recovered during the reporting period via a combination of manual recovery and AFR.

An approximate total of 9,815 gallons (98.2 bbls) of hydrocarbon-impacted groundwater were recovered from the site during 2024 via a combination of manual recovery and AFR. A total of approximately 82,344 gallons (1,961 bbls) of impacted groundwater have been recovered during AFR events since April of 2019.

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 through 6.

3.2 Groundwater Monitoring

The on-site monitor wells were gauged and sampled on March 5 and 6 (1Q2024); June 5 and 6 (2Q2024); September 15 and 16 (3Q2024); and December 15 and 16, 2024 (4Q2024). The groundwater monitoring events consisted of measuring static water levels in the on-site monitor wells (MW-1 through MW-14), checking for the presence of PSH, and purging and sampling of each well exhibiting sufficient recharge. Purged water was placed into a polystyrene aboveground storage tank (AST) and 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 a general groundwater gradient of approximately 0.002 feet/foot to the southeast as measured between monitor wells MW-2 and MW-14. Groundwater elevation data is 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 and annual monitoring events were delivered to Permian Basin Environmental Lab (PBEL) and/or Pace Analytical in Midland, Texas, for determination of chloride and/or BTEX constituent concentrations by Environmental Protection Agency (EPA) Methods 300 and SW846-8021b. A summary of laboratory analytical results is presented in Table 2, “Concentrations of Benzene, BTEX & Chloride in Groundwater”. 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 was not sampled during the 2024 reporting period due to the presence of PSH.

Monitor Well MW-2

Laboratory analytical results indicated that benzene concentrations ranged from 0.00134 mg/L in 4Q2024 to 0.00702 mg/L in 2Q2024. Toluene, ethylbenzene, and total xylene concentrations were less than the applicable laboratory method detection limit (MDL) in all submitted groundwater samples. Chloride concentrations ranged from 9,780 mg/L in 3Q2024 to 10,200 mg/L in 2Q2024 and 4Q2024.

BTEX constituent concentrations were less than NMOCD regulatory standards in all submitted samples. Chloride concentrations exceeded the NMOCD regulatory standard of 250 mg/L in all submitted samples.

Monitor Well MW-3

Laboratory analytical results indicated that benzene concentrations ranged from less than the laboratory MDL in 2Q2024, 3Q2024, and 4Q2024 to 0.00483 mg/L in 1Q2024. Toluene,

ethylbenzene, and total xylene concentrations were less than the applicable laboratory MDL in all submitted groundwater samples.

BTEX constituent concentrations were less than NMOCD regulatory standards in all submitted samples.

Monitor Well MW-4

Laboratory analytical results indicated that benzene concentrations ranged from less than the laboratory MDL in 2Q2024, 3Q2024, and 4Q2024 to 0.000454 mg/L in 1Q2024. Toluene, ethylbenzene, and total xylene concentrations were less than the applicable laboratory MDL in all submitted groundwater samples.

BTEX constituent concentrations were less than NMOCD regulatory standards in all submitted samples.

Monitor Well MW-5

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

Monitor Welling MW-6

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

Monitor Well MW-7

Laboratory analytical results indicated that benzene concentrations ranged from less than the laboratory MDL in 2Q2024, 3Q2024, and 4Q2024 to 0.000395 mg/L in 1Q2024. Toluene, ethylbenzene, and total xylene concentrations were less than the applicable laboratory MDL in all submitted groundwater samples.

BTEX constituent concentrations were less than NMOCD regulatory standards in all submitted samples.

Monitor Well MW-8

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

Monitor Well MW-9

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

Monitor Well MW-10

Laboratory analytical results indicated that benzene concentrations ranged from less than the laboratory MDL in 3Q2024 and 4Q2024 to 0.00151 mg/L in 2Q2024. Toluene, ethylbenzene, and total xylene concentrations were less than the applicable laboratory MDL in all submitted groundwater samples.

BTEX constituent concentrations were less than NMOCD regulatory standards in all submitted samples.

Monitor Well MW-11

Laboratory analytical results indicated that benzene, toluene, ethylbenzene, and total xylene concentrations were less than the applicable laboratory MDL and less than NMOCD regulatory standards in all submitted groundwater samples.

Monitor Well MW-12

Laboratory analytical results indicated that benzene, toluene, ethylbenzene, and total xylene concentrations were less than the applicable laboratory MDL and less than NMOCD regulatory standards in all submitted groundwater samples.

Monitor Well MW-13

Laboratory analytical results indicated that benzene, toluene, ethylbenzene, and total xylene concentrations were less than the applicable laboratory MDL and less than NMOCD regulatory standards in all submitted groundwater samples.

Monitor Well MW-14

Laboratory analytical results indicated that benzene, toluene, ethylbenzene, and total xylene concentrations were less than the applicable laboratory MDL and less than NMOCD regulatory standards in all submitted groundwater samples.

5.0 SUMMARY

This report presents the results of groundwater monitoring activities for the 2024 annual monitoring period. Currently, there are 14 groundwater monitor wells (MW-1 through MW-14) on-site.

A measurable thickness of PSH was detected in monitor well MW-1 throughout the 2024 reporting period, with the exceptions of April 15 and May 20, 2024. The average PSH thickness measured in MW-1 was 0.01 feet.

An approximate total of 9,815 gallons (98.2 bbls) of hydrocarbon-impacted groundwater were recovered from the site during 2024 via a combination of manual recovery and AFR. A total of approximately 82,344 gallons (1,961 bbls) of impacted groundwater have been recovered during AFR events since April of 2019.

Quarterly groundwater monitoring events were conducted on March 5 and 6 (1Q2024); June 5 and 6 (2Q2024); September 15 and 16 (3Q2024); and December 15 and 16, 2024 (4Q2024). Monitor wells MW-2 through MW-14 were gauged and sampled during all four (4) quarters of the monitoring period. Monitor well MW-1 was not sampled in 2024 due to the presence of PSH.

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

Chloride concentrations exceeded the NMOCD regulatory standard of 250 mg/L in all groundwater samples submitted from monitor well MW-2.

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

Groundwater gauging data collected during the monitoring period indicated a general gradient of approximately 0.002 feet/foot to the southeast as measured between monitor wells MW-2 and MW-14.

6.0 ANTICIPATED ACTIONS

Monitor wells MW-2, MW-3, MW-4, and MW-7 will continue to be monitored and sampled quarterly for concentrations of BTEX. Monitor wells MW-5, MW-6, MW-9, MW-12, and MW-14 will be sampled on a semiannual basis. Monitor well MW-2 will continue to be monitored and sampled quarterly for concentrations of chloride.

Since monitor wells MW-8 and MW-10 have exhibited eight (8) or more consecutive quarters with no concentrations of BTEX constituents above NMOCD regulatory standards, the monitoring frequency for these wells can be safely reduced from quarterly to semiannual (i.e., twice per year).

Given the observed reductions in the extents of the free-phase and dissolved-phase plumes, monitor wells MW-11 and MW-13 are no longer necessary for ongoing plume control and monitoring. Review of cumulative laboratory analytical results indicates that BTEX constituent concentrations in monitor well MW-11 have remained below NMOCD regulatory standards since the well was installed in February 2018. BTEX concentrations in monitor well MW-13 have been below NMOCD regulatory standards since June 4, 2020. Cumulative groundwater chemistry data for these wells is provided in Tables 7 and 8.

Based on the information summarized above, Plains hereby requests permission to plug and abandon monitor wells MW-11 and MW-13. Pending NMOCD approval, the monitor wells will be plugged and abandoned in accordance with NMOSE and NMOCD regulatory requirements, and a monitor well plugging report will be submitted to the NMOCD within thirty (30) calendar days of completion.

AFR from monitor well MW-1 will continue on a monthly basis. Monthly AFR will also continue from monitor wells MW-3 and MW-4 until the wells have exhibited eight (8) or more consecutive quarters with no concentrations of BTEX constituents above the applicable laboratory MDL and/or NMOCD regulatory standards. All recovered fluid will be disposed of at an NMOCD-permitted disposal facility.

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

Results of the 2025 sampling 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

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Plains All American Pipeline, LP
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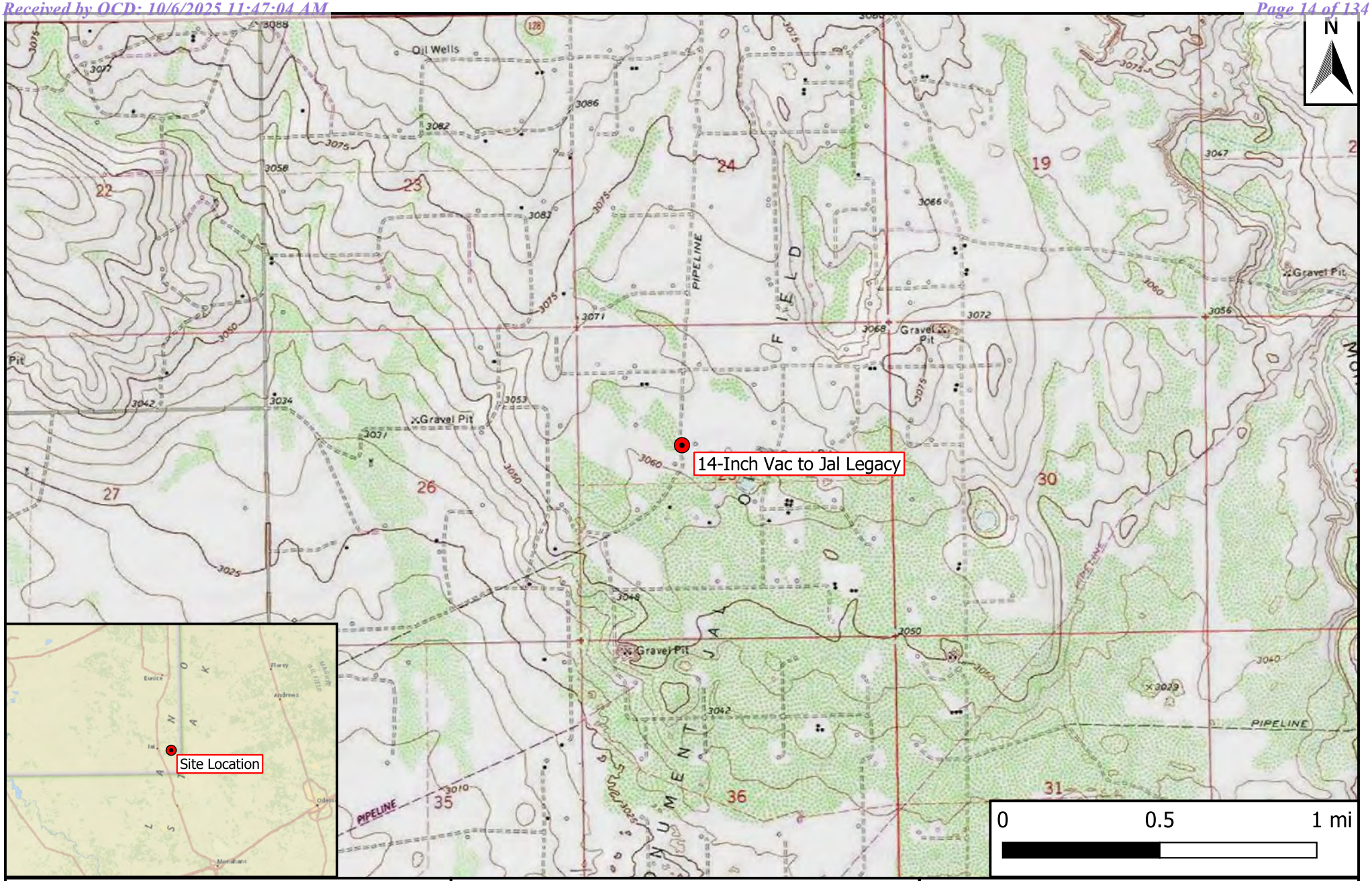
(Electronic Submission)

Figures 1A & 1B
Site Maps



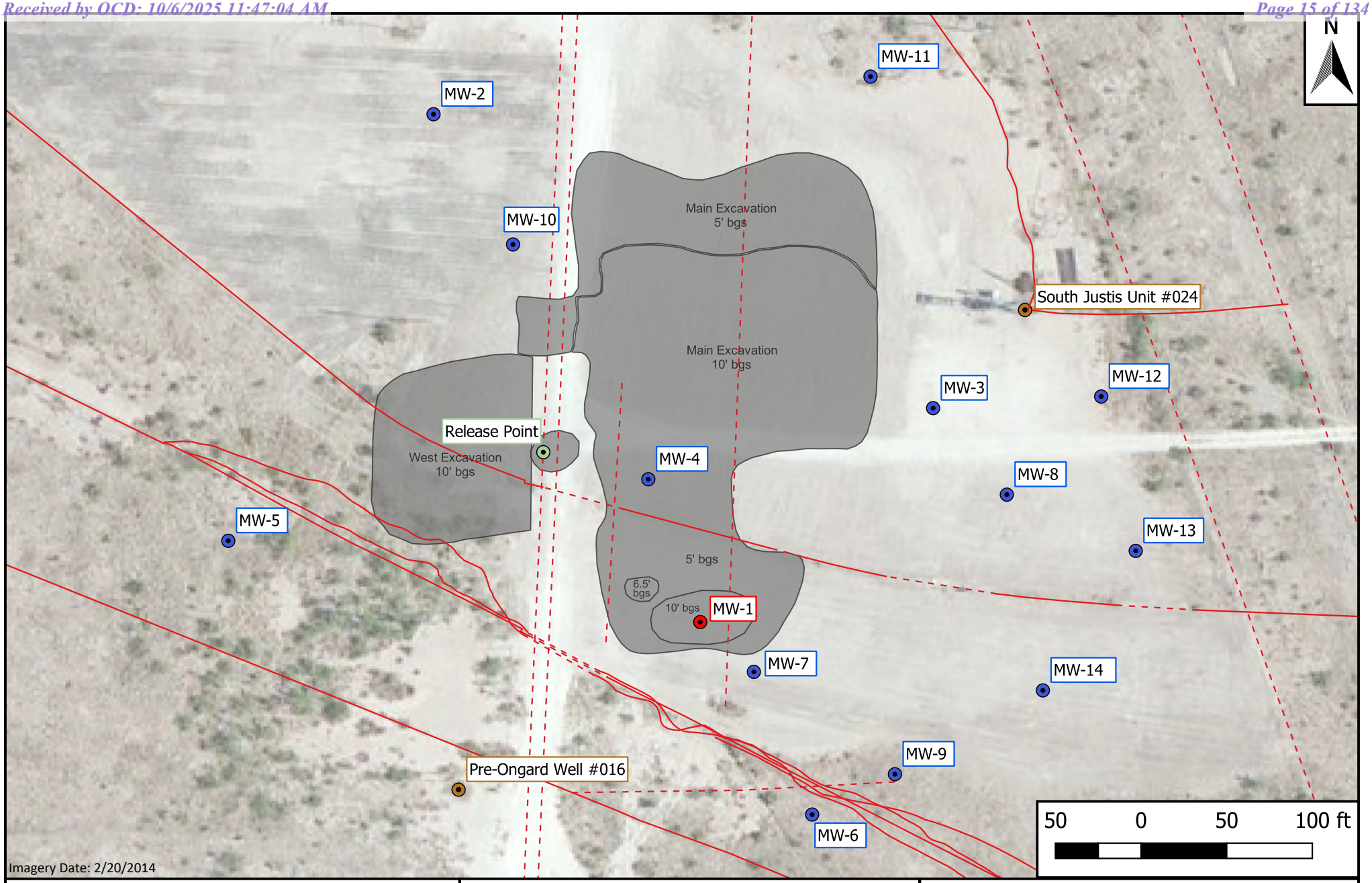
Legend

- Site Location

Figure 1A
Site Location Map
Plains All American Pipeline, LP
14-Inch Vac to Jal Legacy
GPS: 32.1029722,-103.1195278
Lea County, New Mexico

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 10/2/25



Legend

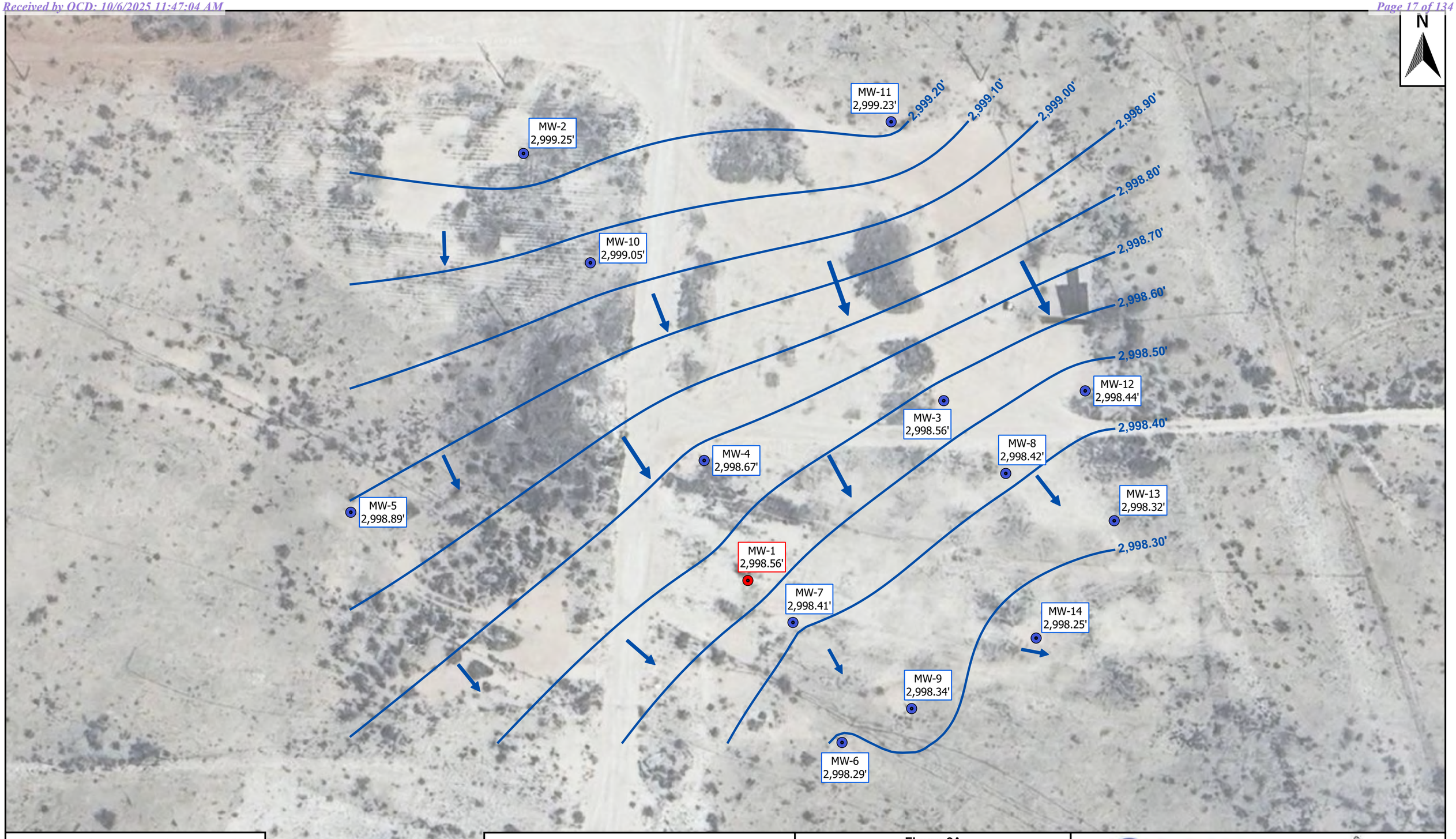
- Excavation Extent
- Monitor Well
- NMOCD Well
- Recovery Well
- Release Point
- Buried Pipeline
- Surface Pipeline

Figure 1B
Site Map
Plains All American Pipeline, LP
14-Inch Vac to Jal Legacy
GPS: 32.1029722,-103.1195278
Lea County, New Mexico

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 10/2/25

Figures 2A–2D
Inferred Groundwater Gradient Maps



Notes:
Groundwater gradient magnitude was 0.002 ft/ft, as measured between monitor wells MW-2 and MW-14.

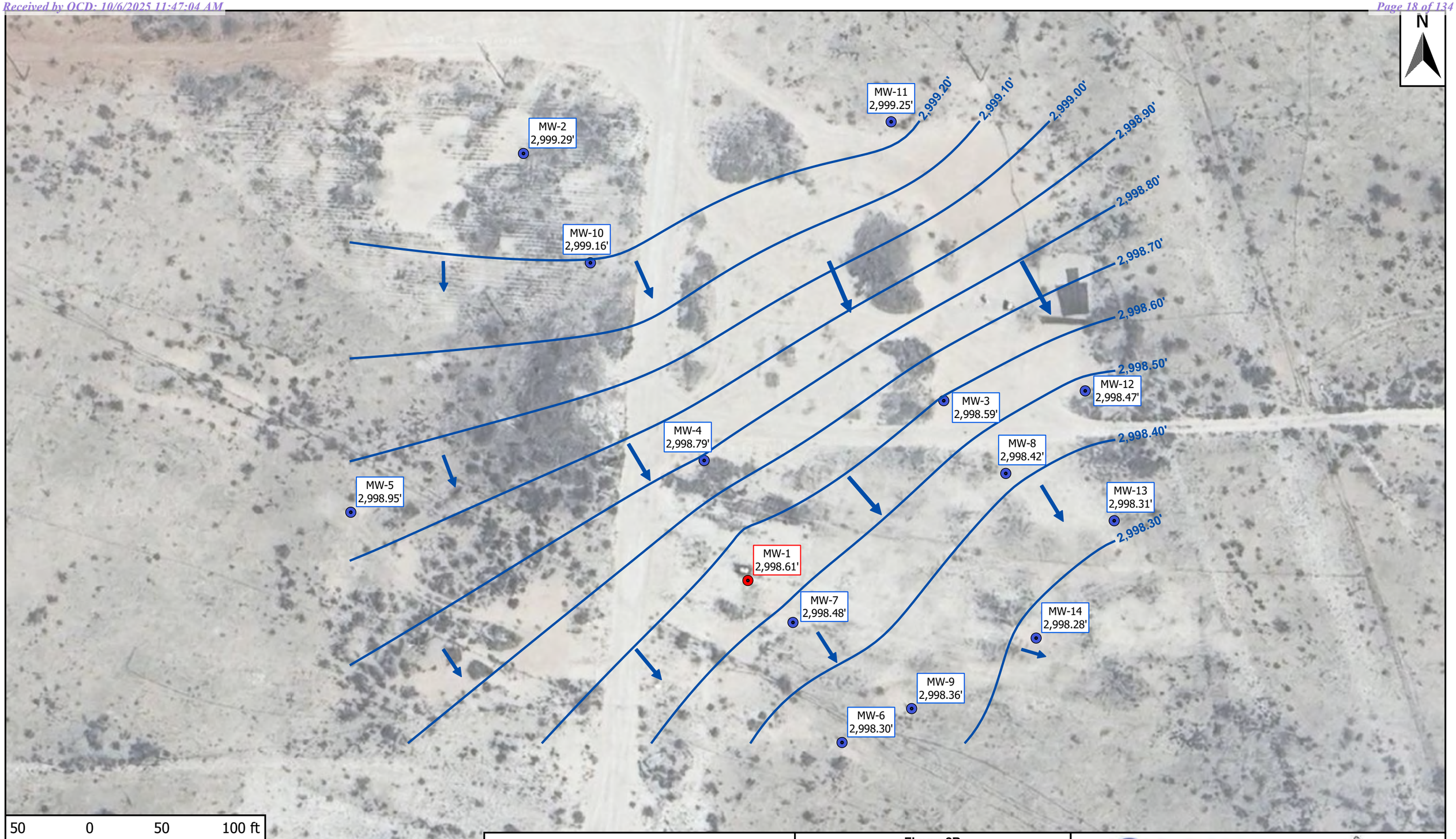
Legend

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

Figure 2A
Inferred Groundwater Gradient Map – 1Q2024
Plains All American Pipeline, LP
14-Inch Vac to Jal Legacy
GPS: 32.1029722, -103.1195278
Lea County, New Mexico

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 3/14/2025



Notes:
Groundwater gradient magnitude was 0.002 ft/ft, as measured between monitor wells MW-2 and MW-14.

Legend

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

Figure 2B
Inferred Groundwater Gradient Map – 2Q2024
Plains All American Pipeline, LP
14-Inch Vac to Jal Legacy
GPS: 32.1029722, -103.1195278
Lea County, New Mexico

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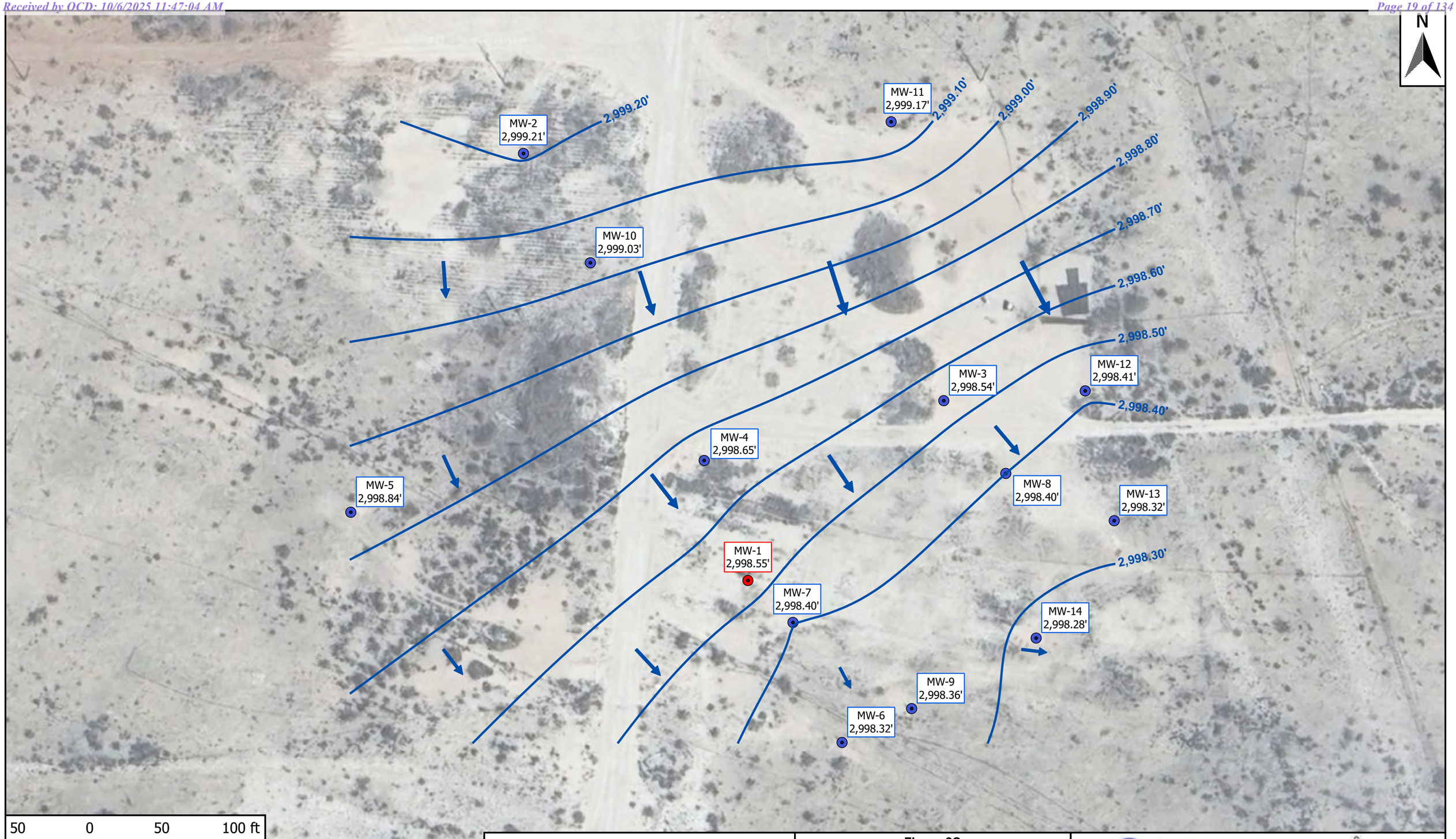
Drafted: bja Checked: jwl Date: 7/10/2024



Notes:
Groundwater gradient magnitude was 0.002 ft/ft, as measured between monitor wells MW-2 and MW-14.

Legend

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

Figure 2C
Inferred Groundwater Gradient Map – 3Q2024
Plains All American Pipeline, LP
14-Inch Vac to Jal Legacy
GPS: 32.1029722, -103.1195278
Lea County, New Mexico

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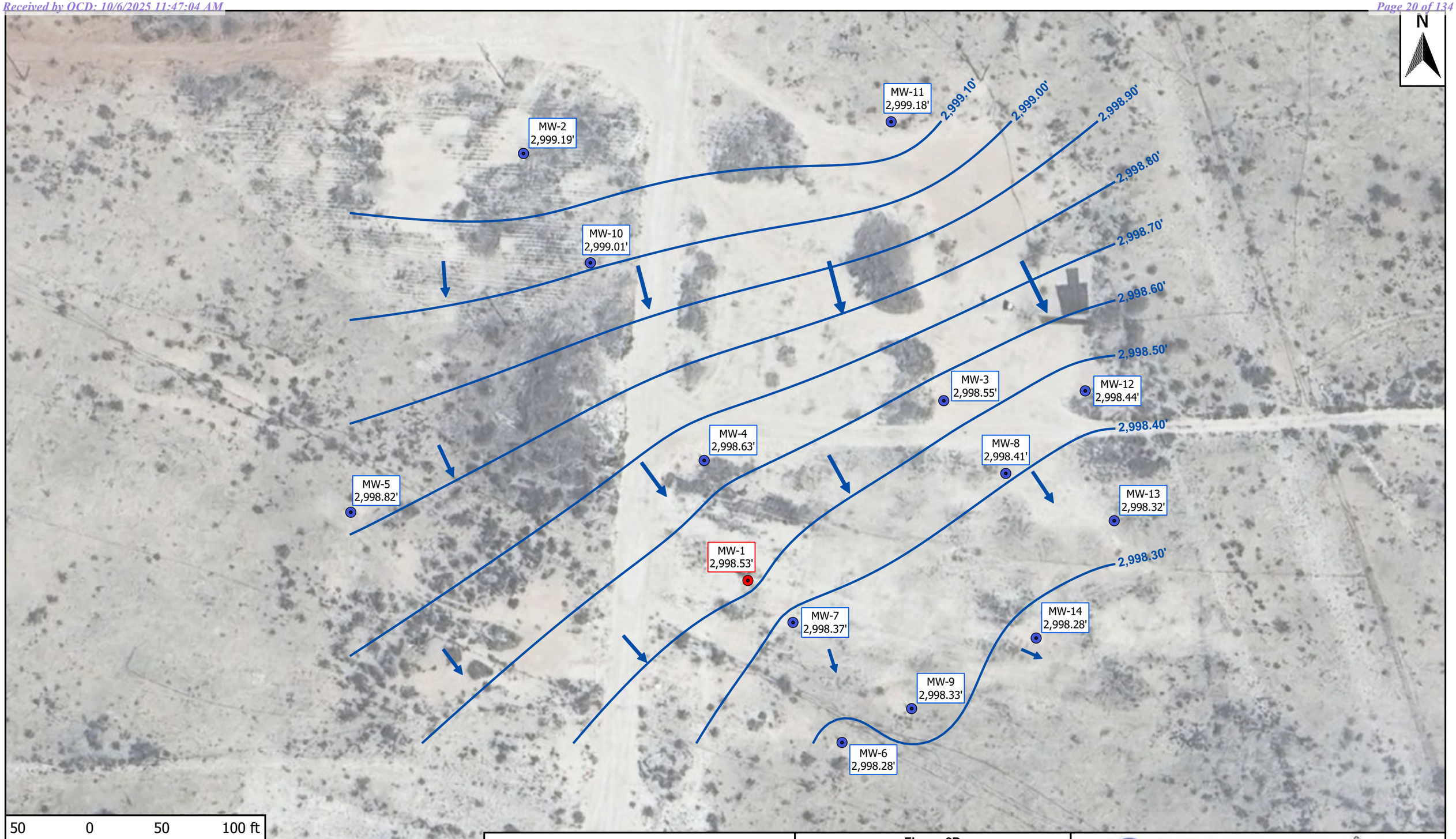

Notes:
Groundwater gradient magnitude was 0.002 ft/ft, as measured between monitor wells MW-2 and MW-14.

Legend

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

Figure 2D
Inferred Groundwater Gradient Map – 4Q2024
Plains All American Pipeline, LP
14-Inch Vac to Jal Legacy
GPS: 32.1029722, -103.1195278
Lea County, New Mexico

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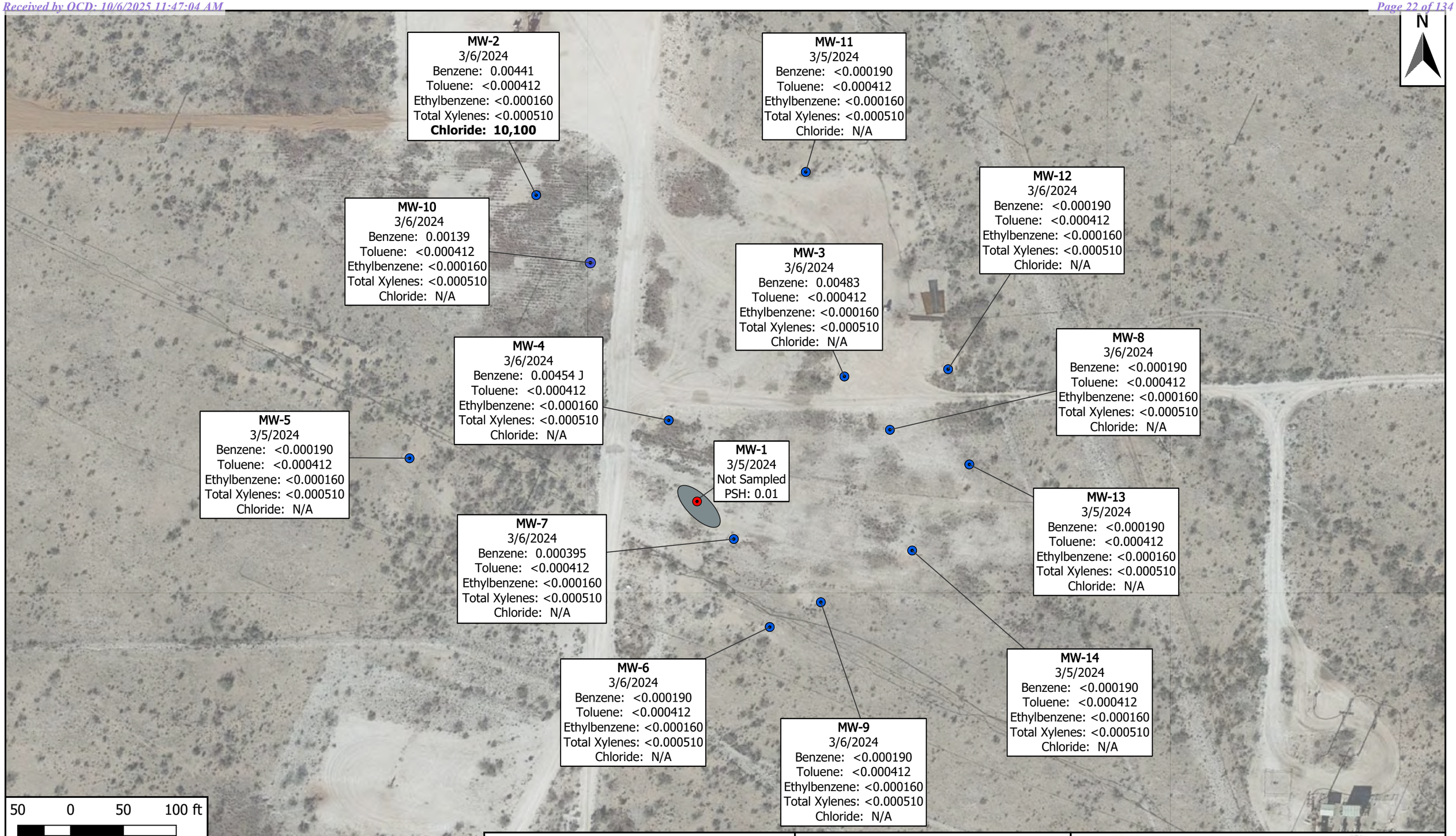
Drafted: bja Checked: jwl Date: 3/2/2025

Figures 3A–3D
Groundwater Concentration Maps



Notes:
Monitor well MW-1 was not sampled due to the presence of PSH.
All concentrations are reported in mg/L.
Concentrations in **bold** exceed NMOCD regulatory limits.
J: The target analyte was positively identified below the quantitation limit and above the detection limit.

Legend
- Monitor Well
- Recovery Well
- Free Phase Plume

Figure 3A
Groundwater Concentration Map – 1Q2024
Plains All American Pipeline, LP
14-Inch Vac to Jal Legacy
GPS: 32.1029722, -103.1195278
Lea County, New Mexico

eTECH Environmental & Safety Solutions, Inc.

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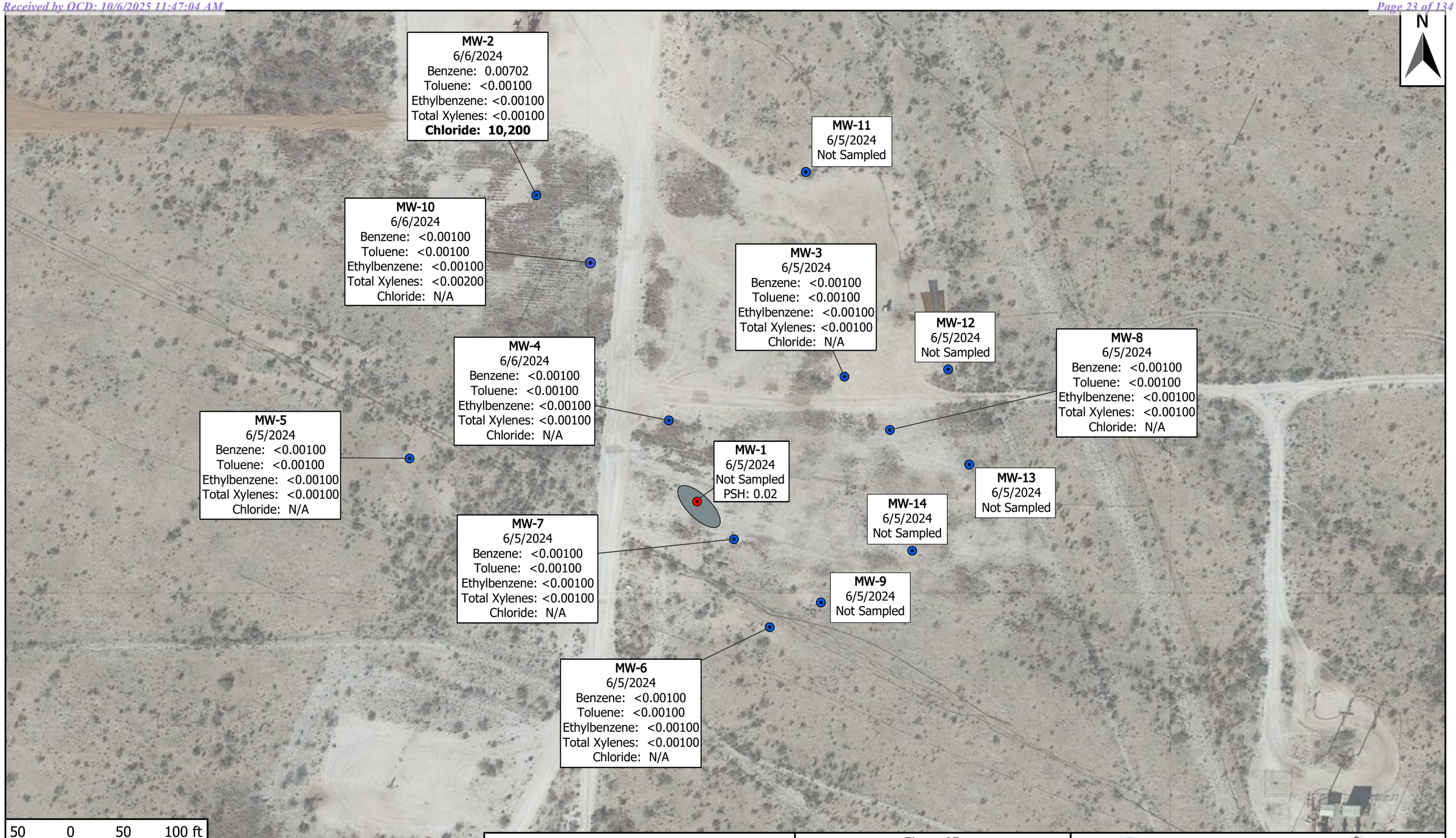

Notes:
Monitor well MW-1 was not sampled due to the presence of PSH.
All concentrations are reported in mg/L.
Concentrations in **bold** exceed NMOCD regulatory limits.

Legend
- Monitor Well
- Recovery Well
- Free Phase Plume

Figure 3B
Groundwater Concentration Map – 2Q2024
Plains All American Pipeline, LP
14-Inch Vac to Jal Legacy
GPS: 32.1029722, -103.1195278
Lea County, New Mexico

ETECH Environmental & Safety Solutions, Inc.

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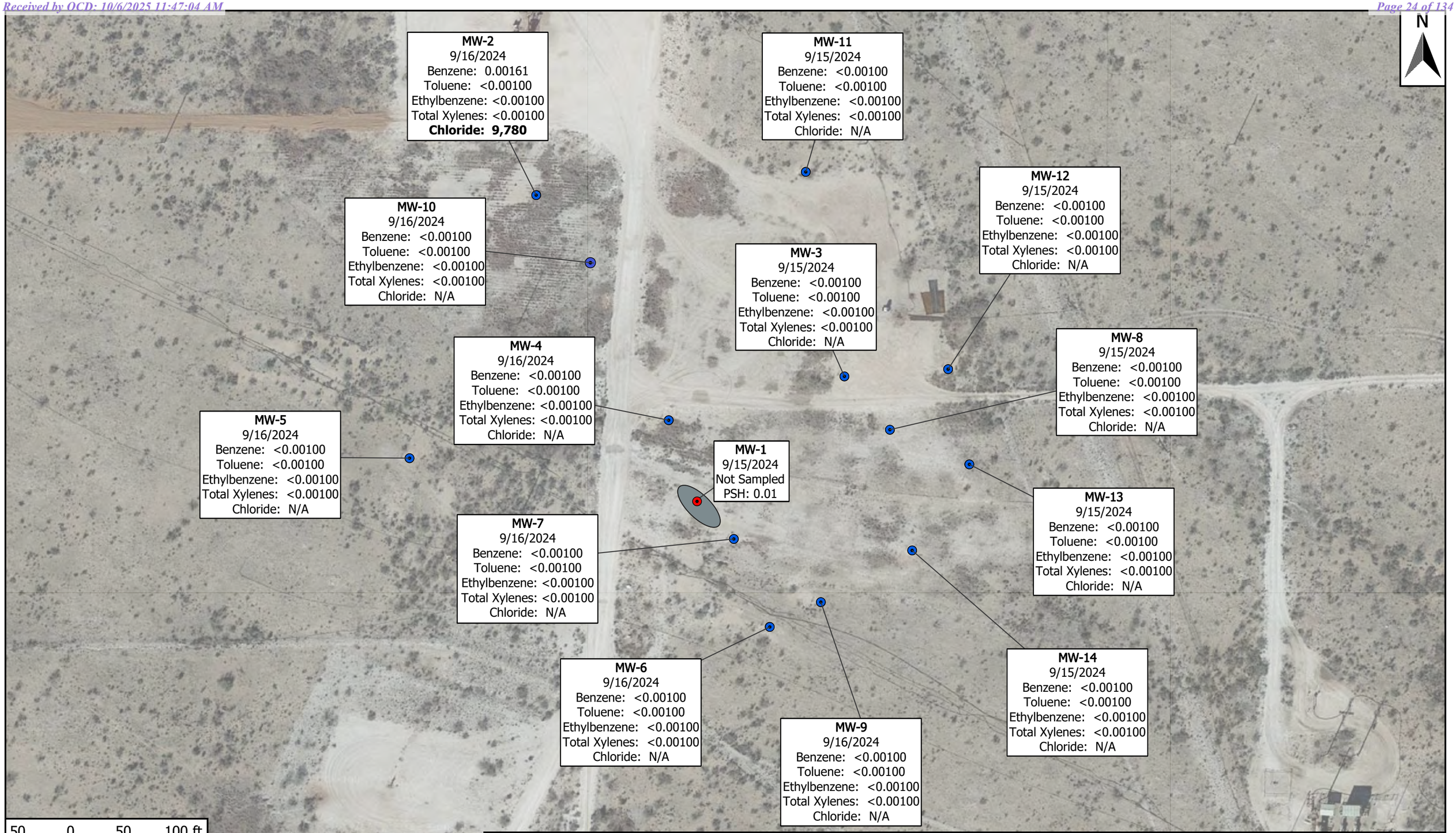


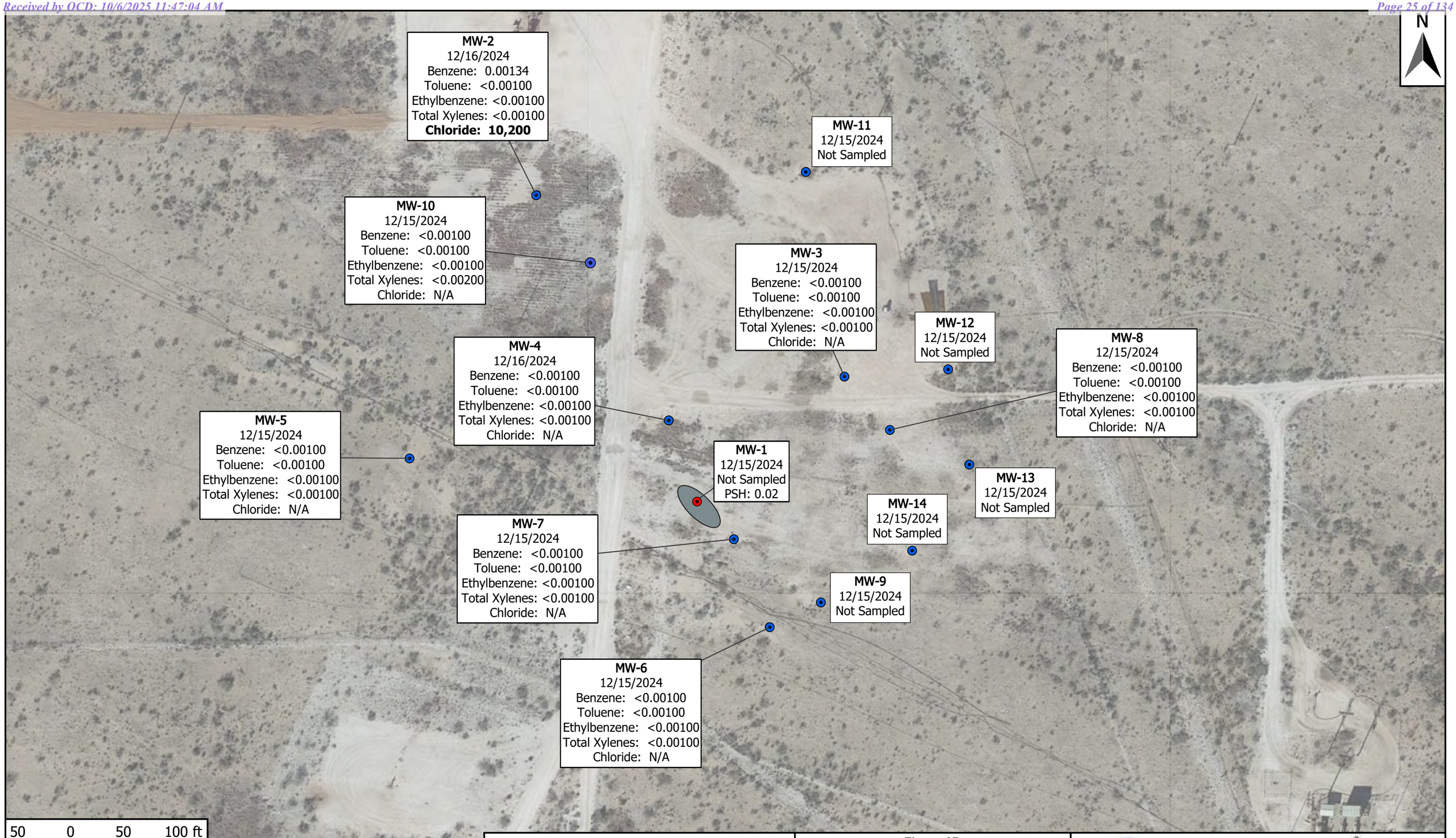
Notes:
Monitor well MW-1 was not sampled due to the presence of PSH.
All concentrations are reported in mg/L.
Concentrations in **bold** exceed NMOCD regulatory limits.

Legend
- Monitor Well
- Recovery Well
- Free Phase Plume

Figure 3C
Groundwater Concentration Map – 3Q2024
Plains All American Pipeline, LP
14-Inch Vac to Jal Legacy
GPS: 32.1029722, -103.1195278
Lea County, New Mexico

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 10/15/2024



Notes:
Monitor well MW-1 was not sampled due to the presence of PSH.
All concentrations are reported in mg/L.
Concentrations in **bold** exceed NMOCD regulatory limits.

Legend
- Monitor Well
- Recovery Well
- Free Phase Plume

Figure 3D
Groundwater Concentration Map – 4Q2024
Plains All American Pipeline, LP
14-Inch Vac to Jal Legacy
GPS: 32.1029722, -103.1195278
Lea County, New Mexico

ETECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 2/13/2025

Tables 1–8

Table 1
Groundwater Elevation Data & PSH* Thickness Summary

14-Inch Vac to Jal Legacy
Lea County, New Mexico
Plains SRS #: 2009-092
Etech Project #: 17474
NMOCD Incident ID#: nAPP2109729126

Well ID	Date Measured	Well Casing Elevation**	Depth to Product (feet)	Depth to Water (feet)	PSH Thickness (feet)	Corrected Groundwater Elevation**†
MW-1	03/22/2023	3,062.62	63.89	63.90	0.01	2,998.73
	06/23/2023		63.92	63.93	0.01	2,998.70
	09/12/2023		63.79	63.80	0.01	2,998.83
	12/02/2023		64.05	64.06	0.01	2,998.57
	03/05/2024		64.06	64.07	0.01	2,998.56
	06/05/2024		64.01	64.03	0.02	2,998.61
	09/15/2024		64.07	64.08	0.01	2,998.55
	12/15/2024		64.09	64.11	0.02	2,998.53
MW-2	03/22/2023	3,062.56	-	63.12	-	2,999.44
	06/23/2023		-	63.17	-	2,999.39
	09/12/2023		-	63.22	-	2,999.34
	12/02/2023		-	63.30	-	2,999.26
	03/06/2024		-	63.31	-	2,999.25
	06/06/2024		-	63.27	-	2,999.29
	09/15/2024		-	63.35	-	2,999.21
	12/15/2024		-	63.37	-	2,999.19
MW-3	03/22/2023	3,062.73	-	64.00	-	2,998.73
	06/23/2023		-	64.04	-	2,998.69
	09/12/2023		-	64.09	-	2,998.64
	12/03/2023		-	64.12	-	2,998.61
	03/06/2024		-	64.17	-	2,998.56
	06/05/2024		-	64.14	-	2,998.59
	09/15/2024		-	64.19	-	2,998.54
	12/15/2024		-	64.18	-	2,998.55
MW-4	03/22/2023	3,062.43	-	63.59	-	2,998.84
	06/23/2023		-	63.63	-	2,998.80
	09/12/2023		-	63.66	-	2,998.77
	12/03/2023		-	63.76	-	2,998.67
	03/06/2024		-	63.76	-	2,998.67
	06/06/2024		-	63.64	-	2,998.79
	09/15/2024		-	63.78	-	2,998.65
	12/15/2024		-	63.80	-	2,998.63
MW-5	03/22/2023	3,063.23	-	64.21	-	2,999.02
	06/23/2023		-	64.19	-	2,999.04
	09/12/2023		-	64.27	-	2,998.96
	12/02/2023		-	64.34	-	2,998.89
	03/05/2024		-	64.34	-	2,998.89
	06/05/2024		-	64.28	-	2,998.95
	09/15/2024		-	64.39	-	2,998.84
	12/15/2024		-	64.41	-	2,998.82
MW-6	03/22/2023	3,062.60	-	64.11	-	2,998.49
	06/23/2023		-	64.28	-	2,998.32
	09/12/2023		-	64.21	-	2,998.39
	12/03/2023		-	64.30	-	2,998.30
	03/05/2024		-	64.31	-	2,998.29
	06/05/2024		-	64.30	-	2,998.30
	09/15/2024		-	64.28	-	2,998.32
	12/15/2024		-	64.32	-	2,998.28
MW-7	03/22/2023	3,062.69	-	64.09	-	2,998.60
	06/23/2023		-	64.12	-	2,998.57
	09/12/2023		-	64.15	-	2,998.54
	12/03/2023		-	64.27	-	2,998.42
	03/06/2024		-	64.28	-	2,998.41
	06/05/2024		-	64.21	-	2,998.48
	09/15/2024		-	64.29	-	2,998.40
	12/15/2024		-	64.32	-	2,998.37

Notes:
*PSH: Phase Separated Hydrocarbons
**Elevation measurements are in feet above mean sea level, 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 Data & PSH* Thickness Summary

14-Inch Vac to Jal Legacy
Lea County, New Mexico
Plains SRS #: 2009-092
Etech Project #: 17474
NMOCD Incident ID#: nAPP2109729126

Well ID	Date Measured	Well Casing Elevation**	Depth to Product (feet)	Depth to Water (feet)	PSH Thickness (feet)	Corrected Groundwater Elevation**†
MW-8	03/22/2023	3,062.42	-	63.84	-	2,998.58
	06/23/2023		-	63.87	-	2,998.55
	09/12/2023		-	63.91	-	2,998.51
	12/03/2023		-	63.99	-	2,998.43
	03/06/2024		-	64.00	-	2,998.42
	06/05/2024		-	64.00	-	2,998.42
	09/15/2024		-	64.02	-	2,998.40
	12/15/2024		-	64.01	-	2,998.41
MW-9	03/22/2023	3,062.77	-	64.29	-	2,998.48
	06/23/2023		-	64.31	-	2,998.46
	09/12/2023		-	64.35	-	2,998.42
	12/02/2023		-	64.44	-	2,998.33
	03/05/2024		-	64.43	-	2,998.34
	06/05/2024		-	64.41	-	2,998.36
	09/15/2024		-	64.41	-	2,998.36
	12/15/2024		-	64.44	-	2,998.33
MW-10	03/22/2023	3,062.50	-	63.28	-	2,999.22
	06/23/2023		-	63.31	-	2,999.19
	09/12/2023		-	63.36	-	2,999.14
	12/02/2023		-	63.43	-	2,999.07
	03/05/2024		-	63.45	-	2,999.05
	06/06/2024		-	63.34	-	2,999.16
	09/15/2024		-	63.47	-	2,999.03
	12/15/2024		-	63.49	-	2,999.01
MW-11	03/22/2023	3,063.50	-	64.13	-	2,999.37
	06/23/2023		-	64.12	-	2,999.38
	09/12/2023		-	64.21	-	2,999.29
	12/02/2023		-	64.27	-	2,999.23
	03/05/2024		-	64.27	-	2,999.23
	06/05/2024		-	64.25	-	2,999.25
	09/15/2024		-	64.33	-	2,999.17
	12/15/2024		-	64.32	-	2,999.18
MW-12	03/22/2023	3,062.20	-	63.61	-	2,998.59
	06/23/2023		-	63.63	-	2,998.57
	09/12/2023		-	63.66	-	2,998.54
	12/02/2023		-	63.75	-	2,998.45
	03/06/2024		-	63.76	-	2,998.44
	06/05/2024		-	63.73	-	2,998.47
	09/15/2024		-	63.79	-	2,998.41
	12/15/2024		-	63.76	-	2,998.44
MW-13	03/22/2023	3,062.71	-	64.30	-	2,998.41
	06/23/2023		-	64.27	-	2,998.44
	09/12/2023		-	64.30	-	2,998.41
	12/02/2023		-	64.38	-	2,998.33
	03/05/2024		-	64.39	-	2,998.32
	06/05/2024		-	64.40	-	2,998.31
	09/15/2024		-	64.39	-	2,998.32
	12/15/2024		-	64.39	-	2,998.32
MW-14	03/22/2023	3,062.50	-	64.10	-	2,998.40
	06/23/2023		-	64.11	-	2,998.39
	09/12/2023		-	64.16	-	2,998.34
	12/02/2023		-	64.22	-	2,998.28
	03/05/2024		-	64.25	-	2,998.25
	06/05/2024		-	64.22	-	2,998.28
	09/15/2024		-	64.22	-	2,998.28
	12/15/2024		-	64.22	-	2,998.28

Notes:
*PSH: Phase Separated Hydrocarbons

**Elevation measurements are in feet above mean sea level, 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
Concentrations of Benzene, BTEX[1] & Chloride in Groundwater

14-Inch Vac to Jal Legacy
Lea County, New Mexico
Plains SRS #: 2009-092
Etech Project #: 17474
NMOCD Incident ID#: nAPP2109729126

Well ID	Date Sampled	EPA SW 846-8021B							
		Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	M,P-Xylenes (mg/L)	O-Xylenes (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)	Chloride (mg/L)
NMWQCC Standard[2]		**0.01**	**0.75**	**0.75**	**TOTAL XYLENES 0.62**			**NE[3]**	**250**
MW-1	03/22/2023	Not sampled due to the presence of Phase-Separated Hydrocarbons (PSH)							
	06/28/2023								
	09/12/2023								
	12/02/2023								
	03/05/2024								
	06/05/2024								
	09/15/2024								
	12/15/2024								
MW-2	03/23/2023	0.00875	<0.00100	<0.00100	<0.00200	<0.00100	<0.00200	0.00875	**10,300**
	06/28/2023	<0.00500	<0.00500	<0.00500	<0.0100	<0.00500	<0.00500	<0.00500	**16,100**
	09/12/2023	0.00706	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	0.00706	**10,400**
	12/02/2023	0.00384	<0.000412	<0.000160	-	-	<0.000510	0.00384	**10,300**
	03/06/2024	0.00441	<0.000412	<0.000160	-	-	<0.000510	0.00441	**10,100**
	06/06/2024	0.00702	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	0.00702	**10,200**
	09/16/2024	0.00161	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	0.00161	**9,780**
	12/16/2024	0.00134	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	0.00134	**10,200**
MW-3	03/22/2023	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	-
	06/27/2023	0.00820	<0.00500	<0.00500	<0.0100	<0.00500	<0.00500	<0.00500	-
	09/12/2023	**0.0102**	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	0.0102	-
	12/03/2023	0.00607	<0.000412	<0.000160	-	-	<0.000510	0.00607	-
	03/06/2024	0.00483	<0.000412	<0.000160	-	-	<0.000510	0.00483	-
	06/05/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
	09/15/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
	12/15/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
MW-4	03/22/2023	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	-
	06/23/2023	<0.00500	<0.00500	<0.00500	<0.0100	<0.00500	<0.00500	<0.00500	-
	09/12/2023	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
	12/03/2023	0.000480	<0.000412	<0.000160	-	-	<0.000510	0.000480	-
	03/06/2024	0.000454 J	<0.000412	<0.000160	-	-	<0.000510	0.000454	-
	06/06/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
	09/16/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
	12/16/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
MW-5	03/23/2023	<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	-
	09/12/2023	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
	12/02/2023	<0.000190	<0.000412	<0.000160	-	-	<0.000510	<0.000510	-
	03/05/2024	<0.000190	<0.000412	<0.000160	-	-	<0.000510	<0.000510	-
	06/05/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
	09/16/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
	12/15/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	-
MW-6	03/22/2023	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	-
	06/23/2023	<0.00500	<0.00500	<0.00500	<0.0100	<0.00500	<0.00500	<0.00500	-
	09/12/2023	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
	12/03/2023	<0.000190	<0.000412	<0.000160	-	-	<0.000510	<0.000510	-
	03/06/2024	<0.000190	<0.000412	<0.000160	-	-	<0.000510	<0.000510	-
	06/05/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
	09/16/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
	12/15/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
MW-7	03/23/2023	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	-
	06/23/2023	<0.00500	<0.00500	<0.00500	<0.0100	<0.00500	<0.00500	<0.00500	-
	09/12/2023	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
	12/03/2023	0.000809	<0.000412	<0.000160	-	-	<0.000510	0.000809	-
	03/06/2024	0.000395	<0.000412	<0.000160	-	-	<0.000510	0.000395	-
	06/05/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
	09/16/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
	12/15/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-

Notes:
1. BTEX: Benzene, Toluene, Ethylbenzene, and Total Xylenes
2. NMWQCC: New Mexico Water Quality Control Commission
3. NE: Not Established
Dash (-): Not analyzed OR Not Applicable
J: The target analyte was positively identified below the quantitation limit and above the detection limit
Bold text indicates a concentration exceeding NMWQCC Drinking Water Standards.

Table 2
Concentrations of Benzene, BTEX[1] & Chloride in Groundwater

14-Inch Vac to Jal Legacy
Lea County, New Mexico
Plains SRS #: 2009-092
Etech Project #: 17474
NMOCD Incident ID#: nAPP2109729126

Well ID	Date Sampled	EPA SW 846-8021B							
		Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	M,P-Xylenes (mg/L)	O-Xylenes (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)	Chloride (mg/L)
NMWQCC Standard[2]		0.01	0.75	0.75	TOTAL XYLENES 0.62			NE[3]	250
MW-8	03/22/2023	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	-
	06/27/2023	<0.00500	<0.00500	<0.00500	<0.0100	<0.00500	<0.00500	<0.00500	-
	09/12/2023	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
	12/03/2023	<0.000190	<0.000412	<0.000160	-	-	<0.000510	<0.000510	-
	03/06/2024	<0.000190	<0.000412	<0.000160	-	-	<0.000510	<0.000510	-
	06/05/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
	09/15/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
	12/15/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
MW-9	03/23/2023	<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	-
	09/12/2023	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
	12/02/2023	Not Sampled (Semi-Annual Schedule)							
	03/06/2024	<0.000190	<0.000412	<0.000160	-	-	<0.000510	<0.000510	-
	06/05/2024	Not Sampled (Semi-Annual Schedule)							
	09/16/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00200	-
	12/15/2024	Not Sampled (Semi-Annual Schedule)							
MW-10	03/22/2023	<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	-
	09/12/2023	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
	12/02/2023	0.000840	<0.000412	<0.000160	-	-	<0.000510	0.000840	-
	03/06/2024	0.00139	<0.000412	<0.000160	-	-	<0.000510	0.00139	-
	06/06/2024	0.00151	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	0.00151	-
	09/16/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
	12/15/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
MW-11	03/22/2023	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	-
	06/27/2023	<0.00500	<0.00500	<0.00500	<0.0100	<0.00500	<0.00500	<0.00500	-
	09/12/2023	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
	12/02/2023	Not Sampled (Semi-Annual Schedule)							
	03/05/2024	<0.000190	<0.000412	<0.000160	-	-	<0.000510	<0.000510	-
	06/05/2024	Not Sampled (Semi-Annual Schedule)							
	09/15/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
	12/15/2024	Not Sampled (Semi-Annual Schedule)							
MW-12	03/22/2023	<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	-
	09/12/2023	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
	12/02/2023	Not Sampled (Semi-Annual Schedule)							
	03/06/2024	<0.000190	<0.000412	<0.000160	-	-	<0.000510	<0.000510	-
	06/05/2024	Not Sampled (Semi-Annual Schedule)							
	09/15/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
	12/15/2024	Not Sampled (Semi-Annual Schedule)							
MW-13	03/22/2023	<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	-
	09/12/2023	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
	12/02/2023	Not Sampled (Semi-Annual Schedule)							
	03/05/2024	<0.000190	<0.000412	<0.000160	-	-	<0.000510	<0.000510	-
	06/05/2024	Not Sampled (Semi-Annual Schedule)							
	09/15/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
	12/15/2024	Not Sampled (Semi-Annual Schedule)							
MW-14	03/22/2023	<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	-
	09/12/2023	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
	12/02/2023	Not Sampled (Semi-Annual Schedule)							
	03/05/2024	<0.000190	<0.000412	<0.000160	-	-	<0.000510	<0.000510	-
	06/05/2024	Not Sampled (Semi-Annual Schedule)							
	09/15/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
	12/15/2024	Not Sampled (Semi-Annual Schedule)							

Notes:
1. BTEX: Benzene, Toluene, Ethylbenzene, and Total Xylenes
2. NMWQCC: New Mexico Water Quality Control Commission
3. NE: Not Established
Dash (-): Not analyzed OR Not Applicable
J: The target analyte was positively identified below the quantitation limit and above the detection limit
Bold text indicates a concentration exceeding NMWQCC Drinking Water Standards.

Table 3
MW-1 Recovery Summary

14-inch Vac to Jal Legacy
Lea County, New Mexico
Plains SRS #: 2009-092
Etech Project #: 17474
NMOCD[1] Incident ID #: nAPP2109729126

All measurements are 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-1	01/02/2024	3,062.62	64.06	64.07	0.01	2,998.56	210
	01/30/2024		64.01	64.02	0.01	2,998.61	126
	02/21/2024		-	64.02	0.00	2,998.60	126
	03/05/2024		64.06	64.07	0.01	2,998.56	-
	04/15/2024		-	64.05	0.00	2,998.57	126
	05/20/2024		-	64.07	0.00	2,998.55	294
	06/05/2024		64.01	64.03	0.02	2,998.61	-
	06/24/2024		-	64.02	0.00	2,998.60	336
	07/29/2024		64.00	64.06	0.06	2,998.61	336
	08/19/2024		64.07	64.08	0.01	2,998.55	336
	09/15/2024		64.07	64.08	0.01	2,998.55	-
	09/25/2024		64.05	64.06	0.01	2,998.57	336
	10/21/2024		64.07	64.08	0.01	2,998.55	336
	11/19/2024		64.12	64.13	0.01	2,998.50	336
	12/15/2024		64.09	64.11	0.02	2,998.53	-
	12/20/2024		64.09	64.11	0.02	2,998.53	336
			2024 Average PSH Thickness		**0.01**	**2024 Total**	**3,234**

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-3 Recovery Summary

14-inch Vac to Jal Legacy
Lea County, New Mexico
Plains SRS #: 2009-092
Etech Project #: 17474
NMOCD[1] Incident ID #: nAPP2109729126

All measurements are 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-3	01/02/2024	3,062.73	-	64.12	0.00	2,998.61	210
	01/30/2024		-	64.11	0.00	2,998.62	84.0
	02/21/2024		-	64.10	0.00	2,998.63	84.0
	03/06/2024		-	64.17	0.00	2,998.56	13.0
	04/15/2024		-	64.11	0.00	2,998.62	84.0
	05/20/2024		-	64.12	0.00	2,998.61	210
	06/05/2024		-	64.14	0.00	2,998.59	12.6
	06/24/2024		-	64.13	0.00	2,998.60	210
	07/29/2024		-	64.19	0.00	2,998.54	210
	08/19/2024		-	64.17	0.00	2,998.56	210
	09/15/2024		-	64.19	0.00	2,998.54	13.0
	09/25/2024		-	64.17	0.00	2,998.56	210
	10/21/2024		-	64.19	0.00	2,998.54	210
	11/19/2024		-	64.19	0.00	2,998.54	210
	12/15/2024		-	64.18	0.00	2,998.55	13.0
	12/20/2024		-	64.06	0.00	2,998.67	210
			2024 Average PSH Thickness		**0.00**	**2024 Total**	**2,194**

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 5
MW-4 Recovery Summary

14-inch Vac to Jal Legacy
Lea County, New Mexico
Plains SRS #: 2009-092
Etech Project #: 17474
NMOCD[1] Incident ID #: nAPP2109729126

All measurements are 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	01/02/2024	3,062.43	-	63.74	0.00	2,998.69	210
	01/30/2024		-	63.72	0.00	2,998.71	84.0
	02/21/2024		-	63.71	0.00	2,998.72	84.0
	03/06/2024		-	63.76	0.00	2,998.67	13.0
	04/15/2024		-	63.73	0.00	2,998.70	84.0
	05/20/2024		-	63.74	0.00	2,998.69	210
	06/05/2024		-	63.64	0.00	2,998.79	12.6
	06/24/2024		-	63.68	0.00	2,998.75	210
	07/29/2024		-	63.73	0.00	2,998.70	210
	08/19/2024		-	63.75	0.00	2,998.68	210
	09/15/2024		-	63.78	0.00	2,998.65	13.0
	09/25/2024		-	63.77	0.00	2,998.66	210
	10/21/2024		-	64.79	0.00	2,997.64	210
	11/19/2024		-	63.83	0.00	2,998.60	210
	12/15/2024		-	63.80	0.00	2,998.63	13.0
	12/20/2024		-	63.81	0.00	2,998.62	210
			2024 Average PSH Thickness		**0.00**	**2024 Total**	**2,194**

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 6
MW-8 Recovery Summary

14-inch Vac to Jal Legacy
Lea County, New Mexico
Plains SRS #: 2009-092
Etech Project #: 17474
NMOCD[1] Incident ID #: nAPP2109729126

All measurements are 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-8	01/02/2024	3,062.42	-	63.97	0.00	2,998.45	210
	01/30/2024		-	64.02	0.00	2,998.40	84.0
	02/21/2024		-	63.96	0.00	2,998.46	84.0
	03/06/2024		-	64.00	0.00	2,998.42	12.8
	04/15/2024		-	63.97	0.00	2,998.45	84.0
	05/20/2024		-	63.99	0.00	2,998.43	210
	06/05/2024		-	64.00	0.00	2,998.42	12.4
	06/24/2024		-	63.98	0.00	2,998.44	210
	07/29/2024		-	64.03	0.00	2,998.39	210
	08/19/2024		-	63.99	0.00	2,998.43	210
	09/15/2024		-	64.02	0.00	2,998.40	12.8
	09/25/2024		-	63.99	0.00	2,998.43	210
	10/21/2024		-	64.03	0.00	2,998.39	210
	11/19/2024		-	64.00	0.00	2,998.42	210
	12/15/2024		-	64.01	0.00	2,998.41	12.8
	12/20/2024		-	64.06	0.00	2,998.36	210
			2024 Average PSH Thickness		**0.00**	**2024 Total**	**2,193**

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 7
MW-11 Cumulative Groundwater Chemistry Summary

14-Inch Vac to Jal Legacy
Lea County, New Mexico
Plains SRS #: 2009-092
Etech Project #: 17474
NMOCD Incident ID#: nAPP2109729126

Well ID	Date Sampled	EPA SW 846-8021B							
		Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	M,P-Xylenes (mg/L)	O-Xylenes (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)	Chloride (mg/L)
NMWQCC Standard[1]		**0.01**	**0.75**	**0.75**	**TOTAL XYLENES 0.62**			**NE[2]**	**250**
MW-11	02/20/2018	Installation							
	04/17/2018	<0.00048	<0.000512	<0.000616	<0.000454	<0.000270	<0.000270	<0.000270	-
	08/13/2018	<0.000480	<0.000512	<0.000616	<0.000454	<0.000270	<0.000270	<0.000270	-
	12/03/2018	<0.000480	<0.000512	<0.000616	<0.000454	<0.000270	<0.000270	<0.000270	-
	02/19/2019	<0.000480	<0.000512	<0.000616	0.000600J	<0.000270	0.000600J	0.000600J	-
	05/20/2019	<0.000480	0.00108J	<0.000657	<0.000630	<0.000642	<0.000630	0.00108J	-
	08/27/2019	<0.000480	<0.000512	<0.000616	<0.000454	<0.000270	<0.000270	<0.000270	-
	11/25/2019	<0.000500	<0.000500	<0.000500	<0.00100	<0.000500	<0.000500	<0.000500	-
	01/27/2020	<0.000480	<0.000512	<0.000616	<0.000454	<0.000270	<0.000270	<0.000270	-
	06/03/2020	<0.000480	<0.000512	<0.000616	<0.000454	<0.000270	<0.000270	<0.000270	-
	09/15/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000642	<0.000630	<0.000367	-
	12/08/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000642	<0.000630	<0.000367	-
	03/08/2021	<0.000408	<0.000367	<0.000657	0.00299 J	0.00200 J	0.00499	0.00499	-
	06/10/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400	-
	09/20/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00200	-
	12/07/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400	-
	03/08/2022	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400	-
	06/23/2022	<0.000408	<0.000367	<0.000657	<0.000629	<0.000642	<0.000642	<0.000657	-
	09/21/2022	<0.000533	<0.000475	<0.000411	<0.00124	<0.000551	<0.00124	<0.00124	-
	02/24/2023	<0.000408	<0.000367	<0.000657	<0.000629	<0.000642	<0.000642	<0.000657	-
	03/22/2023	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	-
	06/27/2023	<0.00500	<0.00500	<0.00500	<0.0100	<0.00500	<0.00500	<0.00500	-
	09/12/2023	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
	12/02/2023	Not Sampled (Reduced Schedule)							
	03/05/2024	<0.000190	<0.000412	<0.000160	-	-	<0.000510	<0.000510	-
	06/05/2024	Not Sampled (Semi-Annual Schedule)							
	09/15/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
	12/15/2024	Not Sampled (Reduced Schedule)							

Notes:
1. NMWQCC: New Mexico Water Quality Control Commission
2. NE: Not Established
Dash (-): Not analyzed OR Not Applicable
J: The target analyte was positively identified below the quantitation limit and above the detection limit
Bold text indicates a concentration exceeding NMWQCC Drinking Water Standards.

Table 8
MW-13 Cumulative Groundwater Chemistry Summary

14-Inch Vac to Jal Legacy
Lea County, New Mexico
Plains SRS #: 2009-092
Etech Project #: 17474
NMOCD Incident ID#: nAPP2109729126

Well ID	Date Sampled	EPA SW 846-8021B							
		Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	M,P-Xylenes (mg/L)	O-Xylenes (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)	Chloride (mg/L)
NMWQCC Standard[1]		**0.01**	**0.75**	**0.75**	**TOTAL XYLENES 0.62**			**NE[2]**	**250**
MW-13	02/21/2018	Installation							
	04/18/2018	**0.0339**	<0.000512	<0.000616	<0.000454	<0.000270	<0.000270	0.0339	-
	08/15/2018	**1.22**	<0.00512	<0.00616	0.010	<0.00270	0.010	1.23	-
	12/03/2018	**1.06**	<0.00512	<0.00616	0.00600J	<0.00270	0.00600J	1.07	-
	02/20/2019	**0.712**	<0.00256	<0.00308	0.00900J	<0.00135	0.00900J	0.721	-
	05/20/2019	**0.310**	0.000930J	<0.00657	0.00192J	<0.000642	0.00192J	0.313	-
	DUP-1	**0.316**	0.00118J	<0.00657	0.00202J	<0.000642	0.00202J	0.319	-
	08/27/2019	**0.240**	<0.000512	<0.000616	0.00110 J	<0.000270	0.00110	0.241	-
	11/25/2019	**0.0536**	<0.000500	<0.000500	<0.00100	<0.000500	<0.000500	0.0536	-
	DUP-2	**0.0609**	<0.000500	<0.000500	<0.00100	<0.000500	<0.000500	0.0609	-
	01/27/2020	**0.0625**	<0.000512	<0.000616	0.000600 J	<0.000270	0.000600 J	0.0631	-
	DUP-1	**0.0629**	<0.000512	<0.000616	<0.000454	<0.000270	<0.000270	0.0629	-
	06/04/2020	<0.000480	<0.000512	<0.000616	<0.000454	<0.000270	<0.000270	<0.000270	-
	DUP-2	<0.000480	<0.000512	<0.000616	<0.000454	<0.000270	<0.000270	<0.000270	-
	09/15/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000642	<0.000630	<0.000367	-
	12/09/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000642	<0.000630	<0.000367	-
	DUP-1	<0.000408	<0.000367	<0.000657	<0.000630	<0.000642	<0.000630	<0.000367	-
	03/08/2021	<0.000408	<0.000367	<0.000657	<0.000630	<0.000642	<0.000630	<0.000367	-
	DUP-1	<0.000408	<0.000367	<0.000657	<0.000630	<0.000642	<0.000630	<0.000367	-
	06/10/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400	-
	09/21/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00200	-
	12/08/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400	-
	03/09/2022	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400	-
	06/23/2022	<0.000408	<0.000367	<0.000657	<0.000629	<0.000642	<0.000642	<0.000657	-
	09/21/2022	<0.000533	<0.000475	<0.000411	<0.00124	<0.000551	<0.00124	<0.00124	-
	02/24/2023	<0.000408	<0.000367	<0.000657	<0.000629	<0.000642	<0.000642	<0.000657	-
	03/22/2023	<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	-
	09/12/2023	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
	12/02/2023	Not Sampled (Reduced Schedule)							
	03/05/2024	<0.000190	<0.000412	<0.000160	-	-	<0.000510	<0.000510	-
	06/05/2024	Not Sampled (Reduced Schedule)							
	09/15/2024	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00100	<0.00100	-
	12/15/2024	Not Sampled (Reduced Schedule)							

Notes:
1. NMWQCC: New Mexico Water Quality Control Commission
2. NE: Not Established
Dash (-): Not analyzed OR Not Applicable
J: The target analyte was positively identified below the quantitation limit and above the detection limit
Bold text indicates a concentration exceeding NMWQCC Drinking Water Standards.

Appendix A
Laboratory Analytical Reports

ANALYTICAL REPORT

March 20, 2024

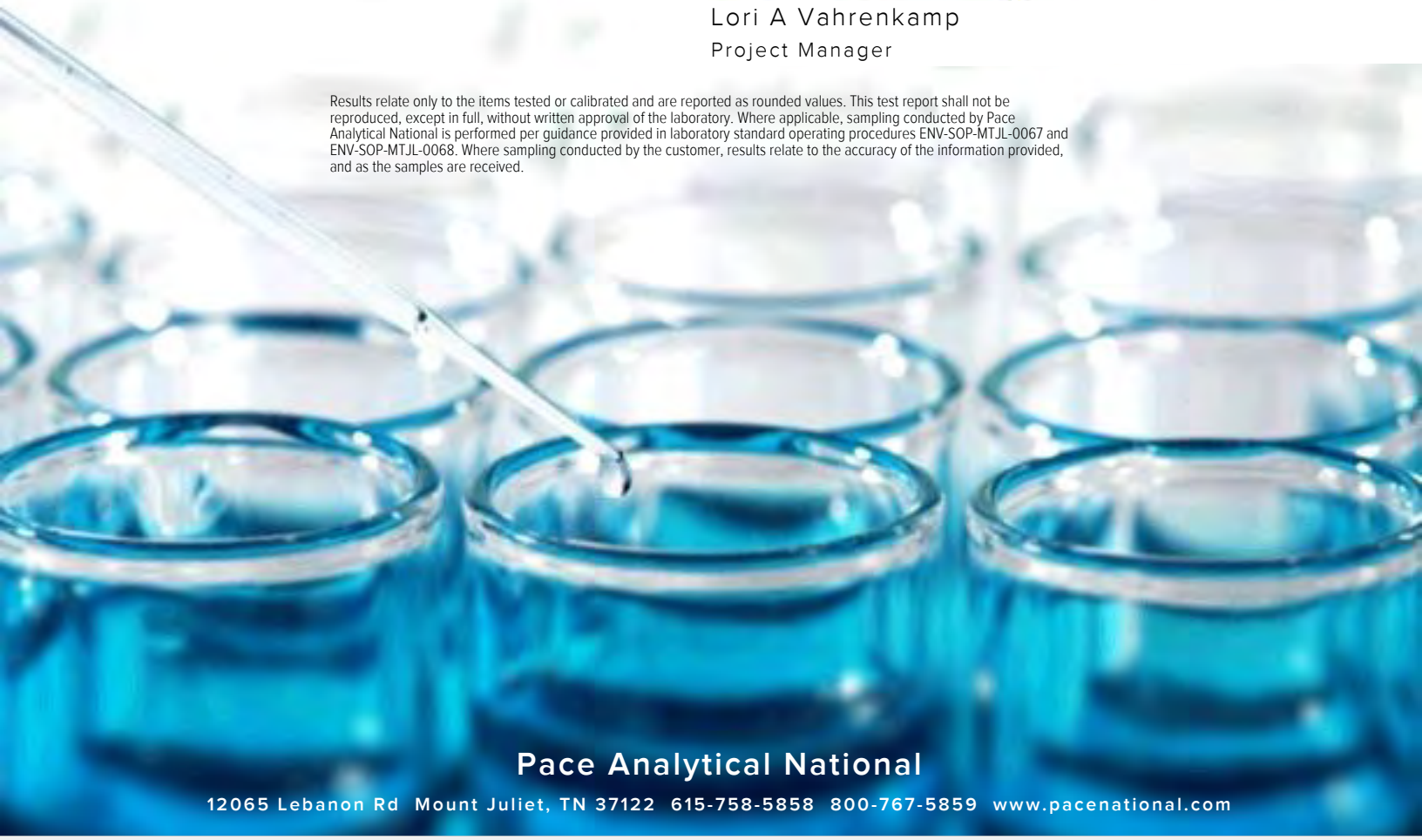
Plains All American Pipeline - ETECH

Sample Delivery Group:	L1713630
Samples Received:	03/09/2024
Project Number:	SRS #2009-092
Description:	14" Jal to Vac Legacy

Report To: Kimble Thrash
PO Box 62228
Midland, TX 79711

Entire Report Reviewed By:

Lori A Vahrenkamp
Project Manager



Pace Analytical National
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MW-2 L1713630-01 GW

Collected by: Kimble Thrash | Collected date/time: 03/06/24 16:15 | Received date/time: 03/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 300.0	WG2246511	100	03/19/24 19:18	03/19/24 19:18	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG2244678	1	03/12/24 16:41	03/12/24 16:41	CDD	Mt. Juliet, TN

MW-3 L1713630-02 GW

Collected by: Kimble Thrash | Collected date/time: 03/06/24 15:00 | Received date/time: 03/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2244678	1	03/12/24 17:03	03/12/24 17:03	CDD	Mt. Juliet, TN

MW-4 L1713630-03 GW

Collected by: Kimble Thrash | Collected date/time: 03/06/24 11:30 | Received date/time: 03/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2244678	1	03/12/24 17:26	03/12/24 17:26	CDD	Mt. Juliet, TN

MW-5 L1713630-04 GW

Collected by: Kimble Thrash | Collected date/time: 03/05/24 11:15 | Received date/time: 03/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2244678	1	03/12/24 17:49	03/12/24 17:49	CDD	Mt. Juliet, TN

MW-6 L1713630-05 GW

Collected by: Kimble Thrash | Collected date/time: 03/06/24 08:30 | Received date/time: 03/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2244678	1	03/12/24 18:12	03/12/24 18:12	CDD	Mt. Juliet, TN

MW-7 L1713630-06 GW

Collected by: Kimble Thrash | Collected date/time: 03/06/24 10:00 | Received date/time: 03/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2244678	1	03/12/24 18:35	03/12/24 18:35	CDD	Mt. Juliet, TN

MW-8 L1713630-07 GW

Collected by: Kimble Thrash | Collected date/time: 03/06/24 12:40 | Received date/time: 03/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2244678	1	03/12/24 18:57	03/12/24 18:57	CDD	Mt. Juliet, TN

MW-9 L1713630-08 GW

Collected by: Kimble Thrash | Collected date/time: 03/06/24 16:50 | Received date/time: 03/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2244678	1	03/12/24 19:20	03/12/24 19:20	CDD	Mt. Juliet, TN

MW-10 L1713630-09 GW

Collected by: Kimble Thrash | Collected date/time: 03/06/24 12:20 | Received date/time: 03/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2244678	1	03/12/24 19:42	03/12/24 19:42	CDD	Mt. Juliet, TN

MW-11 L1713630-10 GW

Collected by: Kimble Thrash | Collected date/time: 03/05/24 13:35 | Received date/time: 03/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2244678	1	03/12/24 20:05	03/12/24 20:05	CDD	Mt. Juliet, TN

MW-12 L1713630-11 GW

Collected by: Kimble Thrash | Collected date/time: 03/06/24 13:50 | Received date/time: 03/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2244678	1	03/12/24 20:28	03/12/24 20:28	CDD	Mt. Juliet, TN

MW-13 L1713630-12 GW

Collected by: Kimble Thrash | Collected date/time: 03/05/24 14:40 | Received date/time: 03/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2244678	1	03/12/24 20:50	03/12/24 20:50	CDD	Mt. Juliet, TN

MW-14 L1713630-13 GW

Collected by: Kimble Thrash | Collected date/time: 03/05/24 15:45 | Received date/time: 03/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2244678	1	03/12/24 21:13	03/12/24 21:13	CDD	Mt. Juliet, TN

DUP-1 L1713630-14 GW

Collected by: Kimble Thrash | Collected date/time: 03/06/24 16:16 | Received date/time: 03/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2244678	1	03/12/24 21:36	03/12/24 21:36	CDD	Mt. Juliet, TN

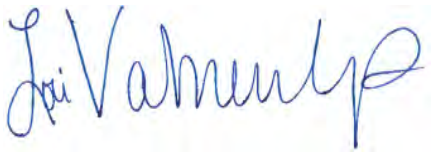
TRIP BLANK L1713630-15 GW

Collected by: Kimble Thrash | Collected date/time: 03/06/24 00:00 | Received date/time: 03/09/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2244678	1	03/12/24 16:18	03/12/24 16:18	CDD	Mt. Juliet, TN

CASE NARRATIVE

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

Wet Chemistry by Method 300.0

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	10100		37.9	100	100	03/19/2024 19:18	WG2246511

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00441		0.000190	0.000500	1	03/12/2024 16:41	WG2244678
Toluene	U		0.000412	0.00100	1	03/12/2024 16:41	WG2244678
Ethylbenzene	U		0.000160	0.000500	1	03/12/2024 16:41	WG2244678
Total Xylene	U		0.000510	0.00150	1	03/12/2024 16:41	WG2244678
(S) a,a,a-Trifluorotoluene(PID)	*93.1*			*79.0-125*		*03/12/2024 16:41*	WG2244678

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Collected date/time: 03/06/24 15:00
L1713630

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	0.00483		0.000190	0.000500	1	03/12/2024 17:03	WG2244678
Toluene	U		0.000412	0.00100	1	03/12/2024 17:03	WG2244678
Ethylbenzene	U		0.000160	0.000500	1	03/12/2024 17:03	WG2244678
Total Xylene	U		0.000510	0.00150	1	03/12/2024 17:03	WG2244678
(S) a,a,a-Trifluorotoluene(PID)	*93.3*			*79.0-125*		*03/12/2024 17:03*	WG2244678

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000454	J	0.000190	0.000500	1	03/12/2024 17:26	WG2244678
Toluene	U		0.000412	0.00100	1	03/12/2024 17:26	WG2244678
Ethylbenzene	U		0.000160	0.000500	1	03/12/2024 17:26	WG2244678
Total Xylene	U		0.000510	0.00150	1	03/12/2024 17:26	WG2244678
(S) a,a,a-Trifluorotoluene(PID)	*93.1*			*79.0-125*		*03/12/2024 17:26*	WG2244678

MW-3
Collected date/time: 03/05/24 11:15
L1713630

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	03/12/2024 17:49	WG2244678
Toluene	U		0.000412	0.00100	1	03/12/2024 17:49	WG2244678
Ethylbenzene	U		0.000160	0.000500	1	03/12/2024 17:49	WG2244678
Total Xylene	U		0.000510	0.00150	1	03/12/2024 17:49	WG2244678
(S) a,a,a-Trifluorotoluene(PID)	*93.5*			*79.0-125*		*03/12/2024 17:49*	WG2244678

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	03/12/2024 18:12	WG2244678
Toluene	U		0.000412	0.00100	1	03/12/2024 18:12	WG2244678
Ethylbenzene	U		0.000160	0.000500	1	03/12/2024 18:12	WG2244678
Total Xylene	U		0.000510	0.00150	1	03/12/2024 18:12	WG2244678
(S) a,a,a-Trifluorotoluene(PID)	*93.3*			*79.0-125*		*03/12/2024 18:12*	WG2244678

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000395	J	0.000190	0.000500	1	03/12/2024 18:35	WG2244678
Toluene	U		0.000412	0.00100	1	03/12/2024 18:35	WG2244678
Ethylbenzene	U		0.000160	0.000500	1	03/12/2024 18:35	WG2244678
Total Xylene	U		0.000510	0.00150	1	03/12/2024 18:35	WG2244678
(S) a,a,a-Trifluorotoluene(PID)	*93.2*			*79.0-125*		*03/12/2024 18:35*	WG2244678

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	03/12/2024 18:57	WG2244678
Toluene	U		0.000412	0.00100	1	03/12/2024 18:57	WG2244678
Ethylbenzene	U		0.000160	0.000500	1	03/12/2024 18:57	WG2244678
Total Xylene	U		0.000510	0.00150	1	03/12/2024 18:57	WG2244678
(S) a,a,a-Trifluorotoluene(PID)	*93.2*			*79.0-125*		*03/12/2024 18:57*	WG2244678

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

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Collected date/time: 03/06/24 16:50
L1713630

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	03/12/2024 19:20	WG2244678
Toluene	U		0.000412	0.00100	1	03/12/2024 19:20	WG2244678
Ethylbenzene	U		0.000160	0.000500	1	03/12/2024 19:20	WG2244678
Total Xylene	U		0.000510	0.00150	1	03/12/2024 19:20	WG2244678
(S) a,a,a-Trifluorotoluene(PID)	*93.0*			*79.0-125*		*03/12/2024 19:20*	WG2244678

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	0.00139		0.000190	0.000500	1	03/12/2024 19:42	WG2244678
Toluene	U		0.000412	0.00100	1	03/12/2024 19:42	WG2244678
Ethylbenzene	U		0.000160	0.000500	1	03/12/2024 19:42	WG2244678
Total Xylene	U		0.000510	0.00150	1	03/12/2024 19:42	WG2244678
(S) a,a,a-Trifluorotoluene(PID)	*92.9*			*79.0-125*		*03/12/2024 19:42*	WG2244678

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	03/12/2024 20:05	WG2244678
Toluene	U		0.000412	0.00100	1	03/12/2024 20:05	WG2244678
Ethylbenzene	U		0.000160	0.000500	1	03/12/2024 20:05	WG2244678
Total Xylene	U		0.000510	0.00150	1	03/12/2024 20:05	WG2244678
(S) a,a,a-Trifluorotoluene(PID)	*93.3*			*79.0-125*		*03/12/2024 20:05*	WG2244678

MW-12
Collected date/time: 03/06/24 13:50
L1713630

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	03/12/2024 20:28	WG2244678
Toluene	U		0.000412	0.00100	1	03/12/2024 20:28	WG2244678
Ethylbenzene	U		0.000160	0.000500	1	03/12/2024 20:28	WG2244678
Total Xylene	U		0.000510	0.00150	1	03/12/2024 20:28	WG2244678
(S) a,a,a-Trifluorotoluene(PID)	*93.3*			*79.0-125*		*03/12/2024 20:28*	WG2244678

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	03/12/2024 20:50	WG2244678
Toluene	U		0.000412	0.00100	1	03/12/2024 20:50	WG2244678
Ethylbenzene	U		0.000160	0.000500	1	03/12/2024 20:50	WG2244678
Total Xylene	U		0.000510	0.00150	1	03/12/2024 20:50	WG2244678
(S) a,a,a-Trifluorotoluene(PID)	*93.2*			*79.0-125*		*03/12/2024 20:50*	WG2244678

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	03/12/2024 21:13	WG2244678
Toluene	U		0.000412	0.00100	1	03/12/2024 21:13	WG2244678
Ethylbenzene	U		0.000160	0.000500	1	03/12/2024 21:13	WG2244678
Total Xylene	U		0.000510	0.00150	1	03/12/2024 21:13	WG2244678
(S) a,a,a-Trifluorotoluene(PID)	*93.3*			*79.0-125*		*03/12/2024 21:13*	WG2244678

DUP-1
Collected date/time: 03/06/24 16:16
L1713630

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00480		0.000190	0.000500	1	03/12/2024 21:36	WG2244678
Toluene	U		0.000412	0.00100	1	03/12/2024 21:36	WG2244678
Ethylbenzene	U		0.000160	0.000500	1	03/12/2024 21:36	WG2244678
Total Xylene	U		0.000510	0.00150	1	03/12/2024 21:36	WG2244678
(S) a,a,a-Trifluorotoluene(PID)	*92.9*			*79.0-125*		*03/12/2024 21:36*	WG2244678

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Collected date/time: 03/06/24 00:00
L1713630

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	03/12/2024 16:18	WG2244678
Toluene	U		0.000412	0.00100	1	03/12/2024 16:18	WG2244678
Ethylbenzene	U		0.000160	0.000500	1	03/12/2024 16:18	WG2244678
Total Xylene	U		0.000510	0.00150	1	03/12/2024 16:18	WG2244678
(S) a,a,a-Trifluorotoluene(PID)	*94.5*			*79.0-125*		*03/12/2024 16:18*	WG2244678

Method Blank (MB)

(MB) R4047833-1 03/19/24 14:51

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00

L1713574-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1713574-07 03/19/24 15:42 • (DUP) R4047833-3 03/19/24 16:45

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	21.6	21.5	1	0.521		15

L1713719-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1713719-01 03/19/24 22:28 • (DUP) R4047833-6 03/19/24 22:42

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	99.5	99.4	1	0.136		15

Laboratory Control Sample (LCS)

(LCS) R4047833-2 03/19/24 15:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	41.3	103	90.0-110	

L1713574-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1713574-07 03/19/24 15:42 • (MS) R4047833-4 03/19/24 17:29 • (MSD) R4047833-5 03/19/24 17:43

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	21.6	59.5	59.9	94.7	95.9	1	80.0-120			0.795	15

L1713719-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1713719-01 03/19/24 22:28 • (MS) R4047833-7 03/19/24 22:55

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	99.5	122	55.9	1	80.0-120	J6

L1713719-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1713719-01 03/19/24 22:28 • (MS) R4047833-7 03/19/24 22:55

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier

Sample Narrative:

MS: CL/NO3/SO4 spike failed due to high parent hits

Method Blank (MB)

(MB) R4045024-4 03/12/24 13:41

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)	*94.0*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R4045024-3 03/12/24 11:29

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0496	99.2	77.0-122	
Toluene	0.0500	0.0481	96.2	80.0-121	
Ethylbenzene	0.0500	0.0532	106	80.0-123	
Total Xylene	0.150	0.149	99.3	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*99.2*	*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.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
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
J	The identification of the analyte is acceptable; the reported value is an estimate.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

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

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: kimble@etechenv.com

Project Description: **14" Jal to Vac Legacy**

City/State Collected: LEA COUNTY, NM

Please Circle: PT MT CT ET

Phone: 432 8949996

Client Project # **SRS #2009-092**

Lab Project # **PLAINSETECH-NM GW**

Collected by (print): KIMBLE THRASH

Site/Facility ID # JLS # 2009-092

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 # L1713630

Table # H002

Acctnum: PLAINSETECH
Template: T242873
Prelogin: P1041683
PM: 3587 - Lori A Vahrenkamp
PB:

Shipped Via: Courier

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTEX 40mlAmb-HCl	BTEX 40mlAmb-HCl-Blk	CHLORIDE 125mlHDPE-NoPres	SVOCs — *** HOLD ***	Remarks	Sample # (lab only)
MW-2	G	GW	—	3-6-24	1615	6	X		X			-01
MW-3	G	GW	—	3-6-24	1500	5	X					-02
MW-4	G	GW	—	3-6-24	1130	5	X					-03
MW-5	G	GW	—	3-5-24	1115	5	X					-04
MW-6	G	GW	—	3-6-24	0830	5	X					-05
MW-7	G	GW	—	3-6-24	1000	5	X					-06
MW-8	G	GW	—	3-6-24	1240	5	X					-07
MW-9	G	GW	—	3-5-24	1650	5	X					-08
MW-10	G	GW	—	3-5-24	1220	5	X					-09

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

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: 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	If preservation required by Login: Date/Time
	3/7/24	11:30			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: MSA1 °C 2.2 to	Bottles Received: 82
	3-7-24	12:30	Southwest		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 3/8/24	Time: 0800
			Easton Organ		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: kimble@etechenv.com

Project Description: **14" Jal to Vac Legacy**

City/State Collected: LEA COUNTY, NM

Please Circle: PT MT CT ET

Phone: 432 8949996

Client Project # **SRS #2009-092**

Lab Project # **PLAINSETECH-NM GW**

Collected by (print): KIMBLE THRASH

Site/Facility ID # SRS 2009-092

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 40mlAmb-HCl	BTEX 40mlAmb-HCl-Blk	CHLORIDE 125mlHDPE-NoPres	SVOCs – ~~HOLD~~	Remarks	Sample # (lab only)
MW-11	G	GW	—	3-5-24	1335	5	X					-10
MW-12	G	GW	—	3-6-24	1350	5	X					-11
MW-13	G	GW	—	3-5-24	1440	5	X					-12
MW-14	G	GW	—	3-5-24	1545	5	X					-13
DUP-1	G	GW	—	3-6-24	1616	5	X					-14
TRIP BLANK	—	GW	—	—	—	2		X				-15

END OF COC

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 # L1713630

Table #

Acctnum: **PLAINSETECH**
Template: **T242873**
Prelogin: **P1041683**
PM: **3587 - Lori A Vahrenkamp**
PB:

Shipped Via: **Courier**

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

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

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
	3/7/24	11:30		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
	3-7-24	12:30	Southwest	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:

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 Rev. 1

Prepared for:

Kimble Thrash

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

13000 West County Road 100

Odessa, TX 79765

Project: SRS 2009-092

Project Number: SRS 2009-092

Location: Lea County, NM

Lab Order Number: 4F06014

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 06/23/24

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
Odessa TX, 79765	Project Manager: Kimble Thrash

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	4F06014-01	Water	06/06/24 11:00	06-06-2024 16:24
MW-3	4F06014-02	Water	06/05/24 15:30	06-06-2024 16:24
MW-4	4F06014-03	Water	06/06/24 12:30	06-06-2024 16:24
MW-5	4F06014-04	Water	06/05/24 16:45	06-06-2024 16:24
MW-6	4F06014-05	Water	06/05/24 11:30	06-06-2024 16:24
MW-7	4F06014-06	Water	06/05/24 13:00	06-06-2024 16:24
MW-8	4F06014-07	Water	06/05/24 14:15	06-06-2024 16:24
MW-10	4F06014-08	Water	06/06/24 09:45	06-06-2024 16:24
DUP-1	4F06014-09	Water	06/06/24 12:31	06-06-2024 16:24

Per client request on 6/20/2024, MW-2 was reran for confirmation and is denoted on the report below as '4F06014-01RE1'. A rerun confirmation for sample MW-10 was also requested, however this sample was used as part of the batch quality control in the initial batch, therefore there was no remaining sample for re-analysis avaliable. The revised report and all corresponding documentation are attached below.

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-2

4F06014-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.00874**	0.00100	mg/L	1	P4F0701	06/07/24 14:55	06/07/24 23:29	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F0701	06/07/24 14:55	06/07/24 23:29	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F0701	06/07/24 14:55	06/07/24 23:29	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F0701	06/07/24 14:55	06/07/24 23:29	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F0701	06/07/24 14:55	06/07/24 23:29	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	*97.9 %*		*80-120*		*P4F0701*	*06/07/24 14:55*	*06/07/24 23:29*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene	*102 %*		*80-120*		*P4F0701*	*06/07/24 14:55*	*06/07/24 23:29*	*EPA 8021B*	
Total BTEX	**0.00874**	0.00100	mg/L	1	[CALC]	06/07/24 14:55	06/07/24 23:29	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/07/24 14:55	06/07/24 23:29	EPA 8021B	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**102000**	1000	mg/L	1000	P4F0706	06/07/24 16:17	06/10/24 10:55	EPA 300.0	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-2

4F06014-01RE1 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.00702**	0.00100	mg/L	1	P4F2015	06/07/24 14:55	06/21/24 12:09	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F2015	06/07/24 14:55	06/21/24 12:09	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F2015	06/07/24 14:55	06/21/24 12:09	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F2015	06/07/24 14:55	06/21/24 12:09	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F2015	06/07/24 14:55	06/21/24 12:09	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	*95.2 %*		*80-120*		*P4F2015*	*06/07/24 14:55*	*06/21/24 12:09*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene	*100 %*		*80-120*		*P4F2015*	*06/07/24 14:55*	*06/21/24 12:09*	*EPA 8021B*	
Total BTEX	**0.00702**	0.00100	mg/L	1	[CALC]	06/07/24 14:55	06/21/24 12:09	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/07/24 14:55	06/21/24 12:09	EPA 8021B	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-3

4F06014-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4F0701	06/07/24 14:55	06/07/24 23:51	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F0701	06/07/24 14:55	06/07/24 23:51	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F0701	06/07/24 14:55	06/07/24 23:51	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F0701	06/07/24 14:55	06/07/24 23:51	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F0701	06/07/24 14:55	06/07/24 23:51	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	*98.9 %*		*80-120*		*P4F0701*	*06/07/24 14:55*	*06/07/24 23:51*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene	*102 %*		*80-120*		*P4F0701*	*06/07/24 14:55*	*06/07/24 23:51*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/07/24 14:55	06/07/24 23:51	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/07/24 14:55	06/07/24 23:51	EPA 8021B	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-4

4F06014-03 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4F0701	06/07/24 14:55	06/08/24 00:13	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F0701	06/07/24 14:55	06/08/24 00:13	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F0701	06/07/24 14:55	06/08/24 00:13	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F0701	06/07/24 14:55	06/08/24 00:13	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F0701	06/07/24 14:55	06/08/24 00:13	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	*98.0 %*		*80-120*		*P4F0701*	*06/07/24 14:55*	*06/08/24 00:13*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene	*101 %*		*80-120*		*P4F0701*	*06/07/24 14:55*	*06/08/24 00:13*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/07/24 14:55	06/08/24 00:13	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/07/24 14:55	06/08/24 00:13	EPA 8021B	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-5

4F06014-04 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4F0701	06/07/24 14:55	06/08/24 00:34	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F0701	06/07/24 14:55	06/08/24 00:34	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F0701	06/07/24 14:55	06/08/24 00:34	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F0701	06/07/24 14:55	06/08/24 00:34	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F0701	06/07/24 14:55	06/08/24 00:34	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	*98.9 %*		*80-120*		*P4F0701*	*06/07/24 14:55*	*06/08/24 00:34*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene	*101 %*		*80-120*		*P4F0701*	*06/07/24 14:55*	*06/08/24 00:34*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/07/24 14:55	06/08/24 00:34	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/07/24 14:55	06/08/24 00:34	EPA 8021B	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-6

4F06014-05 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4F0701	06/07/24 14:55	06/08/24 00:56	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F0701	06/07/24 14:55	06/08/24 00:56	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F0701	06/07/24 14:55	06/08/24 00:56	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F0701	06/07/24 14:55	06/08/24 00:56	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F0701	06/07/24 14:55	06/08/24 00:56	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	*97.2 %*		*80-120*		*P4F0701*	*06/07/24 14:55*	*06/08/24 00:56*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene	*100 %*		*80-120*		*P4F0701*	*06/07/24 14:55*	*06/08/24 00:56*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/07/24 14:55	06/08/24 00:56	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/07/24 14:55	06/08/24 00:56	EPA 8021B	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-7

4F06014-06 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4F0701	06/07/24 14:55	06/08/24 01:18	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F0701	06/07/24 14:55	06/08/24 01:18	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F0701	06/07/24 14:55	06/08/24 01:18	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F0701	06/07/24 14:55	06/08/24 01:18	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F0701	06/07/24 14:55	06/08/24 01:18	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	*98.5 %*		*80-120*		*P4F0701*	*06/07/24 14:55*	*06/08/24 01:18*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene	*99.2 %*		*80-120*		*P4F0701*	*06/07/24 14:55*	*06/08/24 01:18*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/07/24 14:55	06/08/24 01:18	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/07/24 14:55	06/08/24 01:18	EPA 8021B	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
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Odessa TX, 79765	Project Manager: Kimble Thrash

MW-8

4F06014-07 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4F0701	06/07/24 14:55	06/08/24 01:40	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F0701	06/07/24 14:55	06/08/24 01:40	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F0701	06/07/24 14:55	06/08/24 01:40	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F0701	06/07/24 14:55	06/08/24 01:40	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F0701	06/07/24 14:55	06/08/24 01:40	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	*98.9 %*		*80-120*		*P4F0701*	*06/07/24 14:55*	*06/08/24 01:40*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene	*102 %*		*80-120*		*P4F0701*	*06/07/24 14:55*	*06/08/24 01:40*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/07/24 14:55	06/08/24 01:40	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/07/24 14:55	06/08/24 01:40	EPA 8021B	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-10

4F06014-08 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.00151**	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 11:48	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 11:48	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 11:48	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 11:48	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 11:48	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*103 %*	*80-120*		*P4F1208*	*06/12/24 08:47*	*06/12/24 11:48*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.7 %*	*80-120*		*P4F1208*	*06/12/24 08:47*	*06/12/24 11:48*	*EPA 8021B*	
Total BTEX	**0.00151**	0.00100	mg/L	1	[CALC]	06/12/24 08:47	06/12/24 11:48	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/12/24 08:47	06/12/24 11:48	EPA 8021B	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
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DUP-1

4F06014-09 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 12:11	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 12:11	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 12:11	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 12:11	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 12:11	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		*P4F1208*	*06/12/24 08:47*	*06/12/24 12:11*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.8 %*	*80-120*		*P4F1208*	*06/12/24 08:47*	*06/12/24 12:11*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/12/24 08:47	06/12/24 12:11	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/12/24 08:47	06/12/24 12:11	EPA 8021B	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
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 P4F0701 - * DEFAULT PREP *** **										
Blank (P4F0701-BLK1)				Prepared & Analyzed: 06/07/24						
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	*0.122*		"	*0.120*		*102*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		"	*0.120*		*96.9*	*80-120*			
LCS (P4F0701-BS1)				Prepared & Analyzed: 06/07/24						
Benzene	0.114	0.00100	mg/L	0.100		114	80-120			
Toluene	0.111	0.00100	"	0.100		111	80-120			
Ethylbenzene	0.117	0.00100	"	0.100		117	80-120			
Xylene (p/m)	0.236	0.00200	"	0.200		118	80-120			
Xylene (o)	0.112	0.00100	"	0.100		112	80-120			
Surrogate: 4-Bromofluorobenzene	*0.127*		"	*0.120*		*106*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.127*		"	*0.120*		*105*	*80-120*			
LCS Dup (P4F0701-BSD1)				Prepared & Analyzed: 06/07/24						
Benzene	0.118	0.00100	mg/L	0.100		118	80-120	4.11	20	
Toluene	0.116	0.00100	"	0.100		116	80-120	4.16	20	
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120	1.31	20	
Xylene (p/m)	0.238	0.00200	"	0.200		119	80-120	1.00	20	
Xylene (o)	0.116	0.00100	"	0.100		116	80-120	3.97	20	
Surrogate: 4-Bromofluorobenzene	*0.124*		"	*0.120*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.126*		"	*0.120*		*105*	*80-120*			
Calibration Blank (P4F0701-CCB1)				Prepared & Analyzed: 06/07/24						
Benzene	0.100		ug/l							
Toluene	0.220		"							
Ethylbenzene	0.370		"							
Xylene (p/m)	0.930		"							
Xylene (o)	0.280		"							
Surrogate: 4-Bromofluorobenzene	*0.124*		"	*0.120*		*103*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		"	*0.120*		*94.7*	*80-120*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
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 P4F0701 - * DEFAULT PREP *** **										
Calibration Blank (P4F0701-CCB2)				Prepared & Analyzed: 06/07/24						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.240		"							
Xylene (p/m)	0.510		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.120*		*"*	*0.120*		*99.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.3*	*80-120*			
Calibration Check (P4F0701-CCV1)				Prepared & Analyzed: 06/07/24						
Benzene	0.118	0.00100	mg/L	0.100		118	80-120			
Toluene	0.117	0.00100	"	0.100		117	80-120			
Ethylbenzene	0.113	0.00100	"	0.100		113	80-120			
Xylene (p/m)	0.238	0.00200	"	0.200		119	80-120			
Xylene (o)	0.118	0.00100	"	0.100		118	80-120			
Surrogate: 4-Bromofluorobenzene	*0.126*		*"*	*0.120*		*105*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.126*		*"*	*0.120*		*105*	*80-120*			
Calibration Check (P4F0701-CCV2)				Prepared & Analyzed: 06/07/24						
Benzene	0.115	0.00100	mg/L	0.100		115	80-120			
Toluene	0.108	0.00100	"	0.100		108	80-120			
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120			
Xylene (p/m)	0.228	0.00200	"	0.200		114	80-120			
Xylene (o)	0.105	0.00100	"	0.100		105	80-120			
Surrogate: 4-Bromofluorobenzene	*0.124*		*"*	*0.120*		*103*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.127*		*"*	*0.120*		*106*	*80-120*			
Calibration Check (P4F0701-CCV3)				Prepared: 06/07/24 Analyzed: 06/08/24						
Benzene	0.112	0.00100	mg/L	0.100		112	80-120			
Toluene	0.108	0.00100	"	0.100		108	80-120			
Ethylbenzene	0.111	0.00100	"	0.100		111	80-120			
Xylene (p/m)	0.212	0.00200	"	0.200		106	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 4-Bromofluorobenzene	*0.117*		*"*	*0.120*		*97.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
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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 P4F0701 - * DEFAULT PREP *** **										
Matrix Spike (P4F0701-MS1)	**Source: 4F06013-01**			Prepared: 06/07/24 Analyzed: 06/08/24						
Benzene	0.284	0.00100	mg/L	0.100	0.184	99.3	80-120			
Toluene	0.144	0.00100	"	0.100	0.0210	123	80-120			QM-05
Ethylbenzene	0.130	0.00100	"	0.100	0.00256	127	80-120			QM-05
Xylene (p/m)	0.250	0.00200	"	0.200	0.00491	123	80-120			QM-05
Xylene (o)	0.114	0.00100	"	0.100	0.00210	112	80-120			
Surrogate: 4-Bromofluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.130*		*"*	*0.120*		*108*	*80-120*			
Matrix Spike Dup (P4F0701-MSD1)	**Source: 4F06013-01**			Prepared: 06/07/24 Analyzed: 06/08/24						
Benzene	0.284	0.00100	mg/L	0.100	0.184	99.3	80-120	0.0101	20	
Toluene	0.154	0.00100	"	0.100	0.0210	133	80-120	7.56	20	QM-05
Ethylbenzene	0.140	0.00100	"	0.100	0.00256	138	80-120	8.06	20	QM-05
Xylene (p/m)	0.270	0.00200	"	0.200	0.00491	133	80-120	7.85	20	QM-05
Xylene (o)	0.124	0.00100	"	0.100	0.00210	122	80-120	8.43	20	QM-05
Surrogate: 4-Bromofluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.131*		*"*	*0.120*		*109*	*80-120*			
Batch P4F1208 - * DEFAULT PREP *** **										
Blank (P4F1208-BLK1)				Prepared & Analyzed: 06/12/24						
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	*0.112*		*"*	*0.120*		*93.5*	*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 P4F1208 - * DEFAULT PREP *** **										
LCS (P4F1208-BS1)				Prepared & Analyzed: 06/12/24						
Benzene	0.111	0.00100	mg/L	0.100		111	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.112	0.00100	"	0.100		112	80-120			
Xylene (p/m)	0.227	0.00200	"	0.200		113	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	*0.126*		"	*0.120*		*105*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.129*		"	*0.120*		*108*	*80-120*			
LCS Dup (P4F1208-BSD1)				Prepared & Analyzed: 06/12/24						
Benzene	0.112	0.00100	mg/L	0.100		112	80-120	0.621	20	
Toluene	0.106	0.00100	"	0.100		106	80-120	1.46	20	
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120	2.16	20	
Xylene (p/m)	0.230	0.00200	"	0.200		115	80-120	1.30	20	
Xylene (o)	0.101	0.00100	"	0.100		101	80-120	0.158	20	
Surrogate: 4-Bromofluorobenzene	*0.125*		"	*0.120*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.128*		"	*0.120*		*107*	*80-120*			
Calibration Blank (P4F1208-CCB1)				Prepared & Analyzed: 06/12/24						
Benzene	0.0800		ug/l							
Toluene	0.0900		"							
Ethylbenzene	0.0600		"							
Xylene (p/m)	0.220		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.121*		"	*0.120*		*101*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		"	*0.120*		*95.3*	*80-120*			
Calibration Blank (P4F1208-CCB2)				Prepared & Analyzed: 06/12/24						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.160		"							
Xylene (p/m)	0.210		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.126*		"	*0.120*		*105*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*95.9*	*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 P4F1208 - * DEFAULT PREP *** **										
Calibration Check (P4F1208-CCV1)				Prepared & Analyzed: 06/12/24						
Benzene	0.113	0.00100	mg/L	0.100		113	80-120			
Toluene	0.107	0.00100	"	0.100		107	80-120			
Ethylbenzene	0.100	0.00100	"	0.100		100	80-120			
Xylene (p/m)	0.223	0.00200	"	0.200		111	80-120			
Xylene (o)	0.103	0.00100	"	0.100		103	80-120			
Surrogate: 4-Bromofluorobenzene	*0.121*		"	*0.120*		*101*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.128*		"	*0.120*		*107*	*80-120*			
Calibration Check (P4F1208-CCV2)				Prepared & Analyzed: 06/12/24						
Benzene	0.118	0.00100	mg/L	0.100		118	80-120			
Toluene	0.114	0.00100	"	0.100		114	80-120			
Ethylbenzene	0.108	0.00100	"	0.100		108	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		119	80-120			
Xylene (o)	0.111	0.00100	"	0.100		111	80-120			
Surrogate: 4-Bromofluorobenzene	*0.125*		"	*0.120*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.125*		"	*0.120*		*104*	*80-120*			
Calibration Check (P4F1208-CCV3)				Prepared & Analyzed: 06/12/24						
Benzene	0.115	0.00100	mg/L	0.100		115	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.108	0.00100	"	0.100		108	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		120	80-120			
Xylene (o)	0.109	0.00100	"	0.100		109	80-120			
Surrogate: 4-Bromofluorobenzene	*0.130*		"	*0.120*		*108*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.128*		"	*0.120*		*106*	*80-120*			
Matrix Spike (P4F1208-MS1)		**Source: 4F06014-08**		Prepared & Analyzed: 06/12/24						
Benzene	0.129	0.00100	mg/L	0.100	0.00151	127	80-120			QM-05
Toluene	0.118	0.00100	"	0.100	ND	118	80-120			
Ethylbenzene	0.125	0.00100	"	0.100	ND	125	80-120			QM-05
Xylene (p/m)	0.248	0.00200	"	0.200	ND	124	80-120			QM-05
Xylene (o)	0.110	0.00100	"	0.100	ND	110	80-120			
Surrogate: 4-Bromofluorobenzene	*0.127*		"	*0.120*		*106*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.128*		"	*0.120*		*107*	*80-120*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
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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 P4F1208 - * DEFAULT PREP *** **										
Matrix Spike Dup (P4F1208-MSD1)	**Source: 4F06014-08**			Prepared & Analyzed: 06/12/24						
Benzene	0.134	0.00100	mg/L	0.100	0.00151	133	80-120	4.07	20	QM-05
Toluene	0.123	0.00100	"	0.100	ND	123	80-120	4.08	20	QM-05
Ethylbenzene	0.130	0.00100	"	0.100	ND	130	80-120	3.99	20	QM-05
Xylene (p/m)	0.258	0.00200	"	0.200	ND	129	80-120	3.70	20	QM-05
Xylene (o)	0.116	0.00100	"	0.100	ND	116	80-120	5.11	20	
Surrogate: 4-Bromofluorobenzene	*0.128*		*"*	*0.120*		*107*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.130*		*"*	*0.120*		*108*	*80-120*			
Batch P4F2015 - * DEFAULT PREP *** **										
Blank (P4F2015-BLK1)				Prepared: 06/20/24 Analyzed: 06/21/24						
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	*0.113*		*"*	*0.120*		*94.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.0*	*80-120*			
LCS (P4F2015-BS1)				Prepared: 06/20/24 Analyzed: 06/21/24						
Benzene	0.110	0.00100	mg/L	0.100		110	80-120			
Toluene	0.0984	0.00100	"	0.100		98.4	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.202	0.00200	"	0.200		101	80-120			
Xylene (o)	0.0895	0.00100	"	0.100		89.5	80-120			
Surrogate: 4-Bromofluorobenzene	*0.118*		*"*	*0.120*		*98.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.123*		*"*	*0.120*		*103*	*80-120*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
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 P4F2015 - * DEFAULT PREP *** **										
LCS Dup (P4F2015-BSD1)				Prepared: 06/20/24 Analyzed: 06/21/24						
Benzene	0.102	0.00100	mg/L	0.100		102	80-120	8.24	20	
Toluene	0.0882	0.00100	"	0.100		88.2	80-120	11.0	20	
Ethylbenzene	0.0911	0.00100	"	0.100		91.1	80-120	10.9	20	
Xylene (p/m)	0.181	0.00200	"	0.200		90.5	80-120	10.9	20	
Xylene (o)	0.0800	0.00100	"	0.100		80.0	80-120	11.2	20	
Surrogate: 4-Bromofluorobenzene	*0.116*		*"*	*0.120*		*97.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.123*		*"*	*0.120*		*102*	*80-120*			
Calibration Blank (P4F2015-CCB1)				Prepared: 06/20/24 Analyzed: 06/21/24						
Benzene	0.150		ug/l							
Toluene	0.330		"							
Ethylbenzene	0.190		"							
Xylene (p/m)	0.220		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.113*		*"*	*0.120*		*93.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.6*	*80-120*			
Calibration Check (P4F2015-CCV1)				Prepared: 06/20/24 Analyzed: 06/21/24						
Benzene	0.119	0.00100	mg/L	0.100		119	80-120			
Toluene	0.109	0.00100	"	0.100		109	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120			
Xylene (p/m)	0.221	0.00200	"	0.200		110	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	*0.113*		*"*	*0.120*		*93.9*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.119*		*"*	*0.120*		*98.8*	*80-120*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
Odessa TX, 79765	Project Manager: Kimble Thrash

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4F0706 - * DEFAULT PREP *** **										
Blank (P4F0706-BLK1)				Prepared: 06/07/24 Analyzed: 06/08/24						
Chloride	ND	1.00	mg/L							
LCS (P4F0706-BS1)				Prepared & Analyzed: 06/07/24						
Chloride	22.0		mg/L	20.0		110	90-110			
LCS Dup (P4F0706-BSD1)				Prepared & Analyzed: 06/07/24						
Chloride	21.8		mg/L	20.0		109	90-110	1.26	10	
Calibration Check (P4F0706-CCV1)				Prepared & Analyzed: 06/07/24						
Chloride	19.7		mg/L	20.0		98.6	90-110			
Calibration Check (P4F0706-CCV2)				Prepared: 06/07/24 Analyzed: 06/10/24						
Chloride	21.2		mg/L	20.0		106	90-110			
Matrix Spike (P4F0706-MS1)	**Source: 4F03005-03**			Prepared: 06/07/24 Analyzed: 06/08/24						
Chloride	107		mg/L	100	16.9	90.3	80-120			
Matrix Spike Dup (P4F0706-MSD1)	**Source: 4F03005-03**			Prepared: 06/07/24 Analyzed: 06/08/24						
Chloride	107		mg/L	100	16.9	90.3	80-120		20	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
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.
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: 6/23/2024

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 2009-092
Project #: SRS 2009-092
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 #:** 4F060014

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TOTAL: BTEX 8021 B	Chlorides 300.0	RUSH TAT (Pre-Schedule) 24, 48, 72 hr	Standard TAT
1	MW-2	-	-	06/06/24	1100		4	1		3						GW	3	1		X
2	MW-3	-	-	06/05/24	1530		3			3						GW	3			X
3	MW-4	-	-	06/06/24	1230		3			3						GW	3			X
4	MW-5	-	-	06/05/24	1645		3			3						GW	3			X
5	MW-6	-	-	06/05/24	1130		3			3						GW	3			X
6	MW-7	-	-	06/05/24	1300		3			3						GW	3			X
7	MW-8	-	-	06/05/24	1415		3			3						GW	3			X
8	MW-10	-	-	06/06/24	0945		3			3						GW	3			X
9	DUP-1	-	-	06/06/24	1231		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: 6/6/24	Time: 1620	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by PBEL:	Date: 6/6/24	Time: 16:24

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 4.7 °C Thermometer: IR#7
Adjusted: °C Factor: 1.3

Sara Gotcher <sara@pbelab.com>

SRS 2009-092 4F06014

Kimble Thrash <kimble@etechenv.com> Thu, Jun 20, 2024 at 9:51 AM
To: Sara Gotcher <sara@pbelab.com>

Please re-analyze BTEX for MW-2 and MW-10. Both of these wells historically have not had detections. Thank you.

Sent from my iPhone

> On Jun 19, 2024, at 7:12 PM, Sara Gotcher <sara@pbelab.com> wrote:
>
> [Quoted text hidden]

4F06014 PBELSTD_TNI21 FINAL 06 19 24 1749.pdf
856K

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 2009-092

Project Number: SRS 2009-092

Location: Lea County, NM

Lab Order Number: 4I17008

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 09/20/24

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

Project: SRS 2009-092
Project Number: SRS 2009-092
Project Manager: Kimble Thrash

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	4I17008-01	Water	09/16/24 14:00	09-17-2024 10:34
MW-3	4I17008-02	Water	09/15/24 19:35	09-17-2024 10:34
MW-4	4I17008-03	Water	09/16/24 19:00	09-17-2024 10:34
MW-5	4I17008-04	Water	09/16/24 11:00	09-17-2024 10:34
MW-6	4I17008-05	Water	09/16/24 15:35	09-17-2024 10:34
MW-7	4I17008-06	Water	09/16/24 17:45	09-17-2024 10:34
MW-8	4I17008-07	Water	09/15/24 20:30	09-17-2024 10:34
MW-9	4I17008-08	Water	09/16/24 16:45	09-17-2024 10:34
MW-10	4I17008-09	Water	09/16/24 12:30	09-17-2024 10:34
MW-11	4I17008-10	Water	09/15/24 13:30	09-17-2024 10:34
MW-12	4I17008-11	Water	09/15/24 18:30	09-17-2024 10:34
MW-13	4I17008-12	Water	09/15/24 17:00	09-17-2024 10:34
MW-14	4I17008-13	Water	09/15/24 15:20	09-17-2024 10:34
DUP-1	4I17008-14	Water	09/16/24 14:01	09-17-2024 10:34
DUP-2	4I17008-15	Water	09/16/24 19:01	09-17-2024 10:34

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-2

4I17008-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Total BTEX	**0.00161**	0.00100	mg/L	1	[CALC]	09/17/24 11:16	09/17/24 18:37	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/17/24 11:16	09/17/24 18:37	EPA 8021B	
Organics by GC									
Benzene	**0.00161**	0.00100	mg/L	1	P4I1707	09/17/24 11:16	09/17/24 18:37	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I1707	09/17/24 11:16	09/17/24 18:37	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I1707	09/17/24 11:16	09/17/24 18:37	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I1707	09/17/24 11:16	09/17/24 18:37	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I1707	09/17/24 11:16	09/17/24 18:37	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		*P4I1707*	*09/17/24 11:16*	*09/17/24 18:37*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*89.2 %*	*80-120*		*P4I1707*	*09/17/24 11:16*	*09/17/24 18:37*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**9780**	100	mg/L	100	P4I1715	09/17/24 15:10	09/18/24 15:47	EPA 300.0	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-3

4I17008-02 (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]	09/17/24 11:16	09/17/24 18:59	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/17/24 11:16	09/17/24 18:59	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I1707	09/17/24 11:16	09/17/24 18:59	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I1707	09/17/24 11:16	09/17/24 18:59	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I1707	09/17/24 11:16	09/17/24 18:59	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I1707	09/17/24 11:16	09/17/24 18:59	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I1707	09/17/24 11:16	09/17/24 18:59	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		*P4I1707*	*09/17/24 11:16*	*09/17/24 18:59*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*88.8 %*	*80-120*		*P4I1707*	*09/17/24 11:16*	*09/17/24 18:59*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-4

4I17008-03 (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]	09/17/24 11:16	09/17/24 19:21	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/17/24 11:16	09/17/24 19:21	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I1707	09/17/24 11:16	09/17/24 19:21	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I1707	09/17/24 11:16	09/17/24 19:21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I1707	09/17/24 11:16	09/17/24 19:21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I1707	09/17/24 11:16	09/17/24 19:21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I1707	09/17/24 11:16	09/17/24 19:21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		*P4I1707*	*09/17/24 11:16*	*09/17/24 19:21*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*88.8 %*	*80-120*		*P4I1707*	*09/17/24 11:16*	*09/17/24 19:21*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-5

4I17008-04 (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]	09/17/24 11:16	09/17/24 19:43	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/17/24 11:16	09/17/24 19:43	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I1707	09/17/24 11:16	09/17/24 19:43	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I1707	09/17/24 11:16	09/17/24 19:43	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I1707	09/17/24 11:16	09/17/24 19:43	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I1707	09/17/24 11:16	09/17/24 19:43	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I1707	09/17/24 11:16	09/17/24 19:43	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		*P4I1707*	*09/17/24 11:16*	*09/17/24 19:43*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*89.6 %*	*80-120*		*P4I1707*	*09/17/24 11:16*	*09/17/24 19:43*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-6

4I17008-05 (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]	09/17/24 11:16	09/17/24 20:06	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/17/24 11:16	09/17/24 20:06	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I1707	09/17/24 11:16	09/17/24 20:06	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I1707	09/17/24 11:16	09/17/24 20:06	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I1707	09/17/24 11:16	09/17/24 20:06	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I1707	09/17/24 11:16	09/17/24 20:06	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I1707	09/17/24 11:16	09/17/24 20:06	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		*P4I1707*	*09/17/24 11:16*	*09/17/24 20:06*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*88.6 %*	*80-120*		*P4I1707*	*09/17/24 11:16*	*09/17/24 20:06*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-7

4I17008-06 (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]	09/18/24 11:27	09/18/24 14:15	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/18/24 11:27	09/18/24 14:15	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 14:15	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 14:15	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 14:15	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 14:15	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 14:15	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		*P4I1804*	*09/18/24 11:27*	*09/18/24 14:15*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*89.4 %*	*80-120*		*P4I1804*	*09/18/24 11:27*	*09/18/24 14:15*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-8

4I17008-07 (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]	09/18/24 11:27	09/18/24 14:37	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/18/24 11:27	09/18/24 14:37	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 14:37	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 14:37	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 14:37	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 14:37	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 14:37	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		*P4I1804*	*09/18/24 11:27*	*09/18/24 14:37*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*89.6 %*	*80-120*		*P4I1804*	*09/18/24 11:27*	*09/18/24 14:37*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-9

4I17008-08 (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]	09/18/24 11:27	09/18/24 14:59	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/18/24 11:27	09/18/24 14:59	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 14:59	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 14:59	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 14:59	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 14:59	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 14:59	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*107 %*	*80-120*		*P4I1804*	*09/18/24 11:27*	*09/18/24 14:59*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*88.3 %*	*80-120*		*P4I1804*	*09/18/24 11:27*	*09/18/24 14:59*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-10

4I17008-09 (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]	09/18/24 11:27	09/18/24 15:21	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/18/24 11:27	09/18/24 15:21	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 15:21	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 15:21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 15:21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 15:21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 15:21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		*P4I1804*	*09/18/24 11:27*	*09/18/24 15:21*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*88.2 %*	*80-120*		*P4I1804*	*09/18/24 11:27*	*09/18/24 15:21*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-11

4I17008-10 (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]	09/18/24 11:27	09/18/24 15:43	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/18/24 11:27	09/18/24 15:43	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 15:43	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 15:43	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 15:43	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 15:43	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 15:43	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		*P4I1804*	*09/18/24 11:27*	*09/18/24 15:43*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*89.0 %*	*80-120*		*P4I1804*	*09/18/24 11:27*	*09/18/24 15:43*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-12

4I17008-11 (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]	09/18/24 11:27	09/18/24 16:06	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/18/24 11:27	09/18/24 16:06	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 16:06	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 16:06	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 16:06	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 16:06	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 16:06	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		*P4I1804*	*09/18/24 11:27*	*09/18/24 16:06*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*88.3 %*	*80-120*		*P4I1804*	*09/18/24 11:27*	*09/18/24 16:06*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-13

4I17008-12 (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]	09/18/24 11:27	09/18/24 16:28	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/18/24 11:27	09/18/24 16:28	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 16:28	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 16:28	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 16:28	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 16:28	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 16:28	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		*P4I1804*	*09/18/24 11:27*	*09/18/24 16:28*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*88.6 %*	*80-120*		*P4I1804*	*09/18/24 11:27*	*09/18/24 16:28*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-14

4I17008-13 (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]	09/18/24 11:27	09/18/24 16:50	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/18/24 11:27	09/18/24 16:50	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 16:50	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 16:50	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 16:50	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 16:50	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 16:50	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*107 %*	*80-120*		*P4I1804*	*09/18/24 11:27*	*09/18/24 16:50*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*88.4 %*	*80-120*		*P4I1804*	*09/18/24 11:27*	*09/18/24 16:50*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
Odessa TX, 79765	Project Manager: Kimble Thrash

DUP-1

4I17008-14 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Total BTEX	**0.00208**	0.00100	mg/L	1	[CALC]	09/18/24 11:27	09/18/24 17:12	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/18/24 11:27	09/18/24 17:12	EPA 8021B	
Organics by GC									
Benzene	**0.00208**	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 17:12	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 17:12	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 17:12	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 17:12	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 17:12	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*107 %*	*80-120*		*P4I1804*	*09/18/24 11:27*	*09/18/24 17:12*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*89.7 %*	*80-120*		*P4I1804*	*09/18/24 11:27*	*09/18/24 17:12*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**10400**	100	mg/L	100	P4I1715	09/17/24 15:10	09/18/24 16:51	EPA 300.0	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
Odessa TX, 79765	Project Manager: Kimble Thrash

DUP-2

4I17008-15 (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]	09/18/24 11:27	09/18/24 17:34	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/18/24 11:27	09/18/24 17:34	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 17:34	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 17:34	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 17:34	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 17:34	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I1804	09/18/24 11:27	09/18/24 17:34	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*107 %*	*80-120*		*P4I1804*	*09/18/24 11:27*	*09/18/24 17:34*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*89.0 %*	*80-120*		*P4I1804*	*09/18/24 11:27*	*09/18/24 17:34*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
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 P4I1707 - * DEFAULT PREP *** **										
Blank (P4I1707-BLK1)				Prepared & Analyzed: 09/17/24						
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	*0.124*		*"*	*0.120*		*103*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.105*		*"*	*0.120*		*87.7*	*80-120*			
LCS (P4I1707-BS1)				Prepared & Analyzed: 09/17/24						
Benzene	0.0975	0.00100	mg/L	0.100		97.5	80-120			
Toluene	0.105	0.00100	"	0.100		105	80-120			
Ethylbenzene	0.115	0.00100	"	0.100		115	80-120			
Xylene (p/m)	0.237	0.00200	"	0.200		119	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 4-Bromofluorobenzene	*0.125*		*"*	*0.120*		*105*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.112*		*"*	*0.120*		*93.2*	*80-120*			
LCS Dup (P4I1707-BSD1)				Prepared & Analyzed: 09/17/24						
Benzene	0.0944	0.00100	mg/L	0.100		94.4	80-120	3.23	20	
Toluene	0.102	0.00100	"	0.100		102	80-120	2.83	20	
Ethylbenzene	0.115	0.00100	"	0.100		115	80-120	0.130	20	
Xylene (p/m)	0.236	0.00200	"	0.200		118	80-120	0.557	20	
Xylene (o)	0.103	0.00100	"	0.100		103	80-120	3.75	20	
Surrogate: 4-Bromofluorobenzene	*0.129*		*"*	*0.120*		*107*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.113*		*"*	*0.120*		*94.2*	*80-120*			
Calibration Blank (P4I1707-CCB1)				Prepared & Analyzed: 09/17/24						
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*		*103*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.104*		*"*	*0.120*		*86.5*	*80-120*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
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 P4I1707 - * DEFAULT PREP *** **										
Calibration Blank (P4I1707-CCB2)				Prepared & Analyzed: 09/17/24						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.125*		*"*	*0.120*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.104*		*"*	*0.120*		*86.8*	*80-120*			
Calibration Check (P4I1707-CCV1)				Prepared & Analyzed: 09/17/24						
Benzene	0.0996	0.00100	mg/L	0.100		99.6	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120			
Xylene (p/m)	0.237	0.00200	"	0.200		119	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 4-Bromofluorobenzene	*0.124*		*"*	*0.120*		*103*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.113*		*"*	*0.120*		*94.0*	*80-120*			
Calibration Check (P4I1707-CCV2)				Prepared & Analyzed: 09/17/24						
Benzene	0.102	0.00100	mg/L	0.100		102	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120			
Xylene (p/m)	0.240	0.00200	"	0.200		120	80-120			
Xylene (o)	0.115	0.00100	"	0.100		115	80-120			
Surrogate: 4-Bromofluorobenzene	*0.125*		*"*	*0.120*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.108*		*"*	*0.120*		*89.7*	*80-120*			
Calibration Check (P4I1707-CCV3)				Prepared & Analyzed: 09/17/24						
Benzene	0.107	0.00100	mg/L	0.100		107	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)	0.240	0.00200	"	0.200		120	80-120			
Xylene (o)	0.112	0.00100	"	0.100		112	80-120			
Surrogate: 4-Bromofluorobenzene	*0.128*		*"*	*0.120*		*106*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.113*		*"*	*0.120*		*94.2*	*80-120*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
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 P4I1707 - * DEFAULT PREP *** **										
Matrix Spike (P4I1707-MS1)	**Source: 4I12009-01**			Prepared & Analyzed: 09/17/24						
Benzene	0.107	0.00100	mg/L	0.100	ND	107	80-120			
Toluene	0.113	0.00100	"	0.100	ND	113	80-120			
Ethylbenzene	0.126	0.00100	"	0.100	ND	126	80-120			QM-05
Xylene (p/m)	0.254	0.00200	"	0.200	ND	127	80-120			QM-05
Xylene (o)	0.113	0.00100	"	0.100	ND	113	80-120			
Surrogate: 4-Bromofluorobenzene	*0.129*		*"*	*0.120*		*107*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.113*		*"*	*0.120*		*94.2*	*80-120*			
Matrix Spike Dup (P4I1707-MSD1)	**Source: 4I12009-01**			Prepared & Analyzed: 09/17/24						
Benzene	0.119	0.00100	mg/L	0.100	ND	119	80-120	10.5	20	
Toluene	0.127	0.00100	"	0.100	ND	127	80-120	11.6	20	QM-05
Ethylbenzene	0.143	0.00100	"	0.100	ND	143	80-120	12.1	20	QM-05
Xylene (p/m)	0.284	0.00200	"	0.200	ND	142	80-120	11.3	20	QM-05
Xylene (o)	0.127	0.00100	"	0.100	ND	127	80-120	11.9	20	QM-05
Surrogate: 4-Bromofluorobenzene	*0.128*		*"*	*0.120*		*107*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.112*		*"*	*0.120*		*93.6*	*80-120*			
Batch P4I1804 - * DEFAULT PREP *** **										
Blank (P4I1804-BLK1)				Prepared & Analyzed: 09/18/24						
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*		*88.7*	*80-120*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
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 P4I1804 - * DEFAULT PREP *** **										
LCS (P4I1804-BS1)				Prepared & Analyzed: 09/18/24						
Benzene	0.0953	0.00100	mg/L	0.100		95.3	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120			
Xylene (p/m)	0.235	0.00200	"	0.200		117	80-120			
Xylene (o)	0.103	0.00100	"	0.100		103	80-120			
Surrogate: 4-Bromofluorobenzene	*0.130*		"	*0.120*		*108*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		"	*0.120*		*95.2*	*80-120*			
LCS Dup (P4I1804-BSD1)				Prepared & Analyzed: 09/18/24						
Benzene	0.101	0.00100	mg/L	0.100		101	80-120	6.15	20	
Toluene	0.108	0.00100	"	0.100		108	80-120	7.14	20	
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120	4.40	20	
Xylene (p/m)	0.239	0.00200	"	0.200		120	80-120	1.84	20	
Xylene (o)	0.110	0.00100	"	0.100		110	80-120	6.87	20	
Surrogate: 4-Bromofluorobenzene	*0.130*		"	*0.120*		*108*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		"	*0.120*		*94.9*	*80-120*			
Calibration Blank (P4I1804-CCB1)				Prepared & Analyzed: 09/18/24						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.124*		"	*0.120*		*103*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.105*		"	*0.120*		*87.6*	*80-120*			
Calibration Blank (P4I1804-CCB2)				Prepared & Analyzed: 09/18/24						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.170		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.127*		"	*0.120*		*106*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.107*		"	*0.120*		*88.9*	*80-120*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
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 P4I1804 - * DEFAULT PREP *** **										
Calibration Check (P4I1804-CCV1)				Prepared & Analyzed: 09/18/24						
Benzene	0.0978	0.00100	mg/L	0.100		97.8	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120			
Xylene (p/m)	0.232	0.00200	"	0.200		116	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	*0.126*		"	*0.120*		*105*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.113*		"	*0.120*		*93.9*	*80-120*			
Calibration Check (P4I1804-CCV2)				Prepared & Analyzed: 09/18/24						
Benzene	0.101	0.00100	mg/L	0.100		101	80-120			
Toluene	0.109	0.00100	"	0.100		109	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.236	0.00200	"	0.200		118	80-120			
Xylene (o)	0.111	0.00100	"	0.100		111	80-120			
Surrogate: 4-Bromofluorobenzene	*0.130*		"	*0.120*		*108*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.113*		"	*0.120*		*94.3*	*80-120*			
Calibration Check (P4I1804-CCV3)				Prepared & Analyzed: 09/18/24						
Benzene	0.0955	0.00100	mg/L	0.100		95.5	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.225	0.00200	"	0.200		112	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	*0.125*		"	*0.120*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.113*		"	*0.120*		*94.0*	*80-120*			
Matrix Spike (P4I1804-MS1)		**Source: 4I17008-06**		Prepared & Analyzed: 09/18/24						
Benzene	0.106	0.00100	mg/L	0.100	ND	106	80-120			
Toluene	0.114	0.00100	"	0.100	ND	114	80-120			
Ethylbenzene	0.119	0.00100	"	0.100	ND	119	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200	ND	119	80-120			
Xylene (o)	0.113	0.00100	"	0.100	ND	113	80-120			
Surrogate: 4-Bromofluorobenzene	*0.127*		"	*0.120*		*106*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		"	*0.120*		*94.6*	*80-120*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
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 P4I1804 - * DEFAULT PREP *** **										
Matrix Spike Dup (P4I1804-MSD1)		**Source: 4I17008-06**		Prepared & Analyzed: 09/18/24						
Benzene	0.107	0.00100	mg/L	0.100	ND	107	80-120	0.103	20	
Toluene	0.113	0.00100	"	0.100	ND	113	80-120	0.787	20	
Ethylbenzene	0.118	0.00100	"	0.100	ND	118	80-120	0.877	20	
Xylene (p/m)	0.239	0.00200	"	0.200	ND	120	80-120	0.260	20	
Xylene (o)	0.113	0.00100	"	0.100	ND	113	80-120	0.274	20	
Surrogate: 4-Bromofluorobenzene	*0.129*		*"*	*0.120*		*108*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.5*	*80-120*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
Odessa TX, 79765	Project Manager: Kimble Thrash

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4I1715 - * DEFAULT PREP *** **										
LCS (P4I1715-BS1)				Prepared: 09/17/24 Analyzed: 09/18/24						
Chloride	19.8		mg/L	20.0		98.8	90-110			
LCS Dup (P4I1715-BSD1)				Prepared: 09/17/24 Analyzed: 09/18/24						
Chloride	19.8		mg/L	20.0		98.8	90-110	0.0304	10	
Calibration Check (P4I1715-CCV1)				Prepared: 09/17/24 Analyzed: 09/18/24						
Chloride	20.2		mg/L	20.0		101	90-110			
Calibration Check (P4I1715-CCV2)				Prepared: 09/17/24 Analyzed: 09/18/24						
Chloride	21.4		mg/L	20.0		107	90-110			
Matrix Spike (P4I1715-MS1)		**Source: 4I17008-01**		Prepared: 09/17/24 Analyzed: 09/18/24						
Chloride	197		mg/L	100	97.8	98.8	80-120			
Matrix Spike Dup (P4I1715-MSD1)		**Source: 4I17008-01**		Prepared: 09/17/24 Analyzed: 09/18/24						
Chloride	197		mg/L	100	97.8	98.7	80-120	0.0605	20	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
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: 9/20/2024

Brent Barron, Laboratory Director/Technical Director

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
Odessa TX, 79765	Project Manager: Kimble Thrash

1 of 2

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 2009-092
Project #: SRS 2009-092
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 #: 4I17008

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	Chlorides 300.0	RUSH TAT (Pre-Schedule) 24, 48, 72 hr	Standard TAT
1	MW-2	-	-	09/16/24	1400		4	1		3						GW	3	1		X
2	MW-3	-	-	09/15/24	1935		3			3						GW	3			X
3	MW-4	-	-	09/16/24	1900		3			3						GW	3			X
4	MW-5	-	-	09/16/24	1100		3			3						GW	3			X
5	MW-6	-	-	09/16/24	1535		3			3						GW	3			X
6	MW-7	-	-	09/16/24	1745		3			3						GW	3			X
7	MW-8	-	-	09/15/24	2030		3			3						GW	3			X
8	MW-9	-	-	09/16/24	1645		3			3						GW	3			X
9	MW-10	-	-	09/16/24	1230		3			3						GW	3			X
10	MW-11			09/15/24	1330		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: 9/17/24	Time: 1034	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by PBEL: Thresa Bledsoe	Date: 9/17/24	Time: 10:34

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: 3.1 °C Thermometer: NF 63
Adjusted: °C Factor:

2 of 2

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 2009-092
Project #: SRS 2009-092
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 #: 4I17008

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	Chlorides 300.0	RUSH TAT (Pre-Schedule) 24, 48, 72 hr	Standard TAT
11	MW-12	-	-	09/15/24	1830		4	1		3						GW	3			X
12	MW-13	-	-	09/15/24	1700		3			3						GW	3			X
13	MW-14	-	-	09/15/24	1520		3			3						GW	3			X
14	DUP-1	-	-	09/16/24	1401		3			3						GW	3	1		X
15	DUP-2	-	-	09/16/24	1901		3			3						GW	3			X
																				X
																				X
																				X
																				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
	9/17/24	1034			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBELab: Dina Bledsoe	9/17/24	10:34

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: 3.1 °C Thermometer: NCF 23
Adjusted: °C Factor:

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 2009-092

Project Number: SRS 2009-092

Location: Lea County, NM

Lab Order Number: 4L16012

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 12/20/24

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
Odessa TX, 79765	Project Manager: Kimble Thrash

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	4L16012-01	Water	12/16/24 10:00	12-16-2024 16:03
MW-3	4L16012-02	Water	12/15/24 15:40	12-16-2024 16:03
MW-4	4L16012-03	Water	12/16/24 13:00	12-16-2024 16:03
MW-5	4L16012-04	Water	12/15/24 10:20	12-16-2024 16:03
MW-6	4L16012-05	Water	12/15/24 11:25	12-16-2024 16:03
MW-7	4L16012-06	Water	12/15/24 12:40	12-16-2024 16:03
MW-8	4L16012-07	Water	12/15/24 14:15	12-16-2024 16:03
MW-10	4L16012-08	Water	12/16/24 11:45	12-16-2024 16:03
DUP-1	4L16012-09	Water	12/16/24 13:01	12-16-2024 16:03

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-2

4L16012-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.00134**	0.00100	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 04:23	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 04:23	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 04:23	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 04:23	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 04:23	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*80.1 %*	*80-120*		*P4L1713*	*12/17/24 13:54*	*12/18/24 04:23*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*105 %*	*80-120*		*P4L1713*	*12/17/24 13:54*	*12/18/24 04:23*	*EPA 8021B*	
Total BTEX	**0.00134**	0.00100	mg/L	1	[CALC]	12/17/24 13:54	12/18/24 04:23	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/17/24 13:54	12/18/24 04:23	EPA 8021B	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**10200**	100	mg/L	100	P4L1707	12/17/24 12:07	12/18/24 10:00	EPA 300.0	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-3

4L16012-02 (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	P4L1713	12/17/24 13:54	12/18/24 04:45	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 04:45	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 04:45	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 04:45	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 04:45	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*79.8 %*	*80-120*		*P4L1713*	*12/17/24 13:54*	*12/18/24 04:45*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*105 %*	*80-120*		*P4L1713*	*12/17/24 13:54*	*12/18/24 04:45*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/17/24 13:54	12/18/24 04:45	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/17/24 13:54	12/18/24 04:45	EPA 8021B	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
13000 West County Road 100	Project Number: SRS 2009-092
Odessa TX, 79765	Project Manager: Kimble Thrash

MW-4

4L16012-03 (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	P4L1713	12/17/24 13:54	12/18/24 05:07	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 05:07	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 05:07	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 05:07	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 05:07	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*79.4 %*	*80-120*		*P4L1713*	*12/17/24 13:54*	*12/18/24 05:07*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*105 %*	*80-120*		*P4L1713*	*12/17/24 13:54*	*12/18/24 05:07*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/17/24 13:54	12/18/24 05:07	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/17/24 13:54	12/18/24 05:07	EPA 8021B	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
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MW-5

4L16012-04 (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	P4L1713	12/17/24 13:54	12/18/24 05:30	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 05:30	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 05:30	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 05:30	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 05:30	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*78.4 %*	*80-120*		*P4L1713*	*12/17/24 13:54*	*12/18/24 05:30*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*103 %*	*80-120*		*P4L1713*	*12/17/24 13:54*	*12/18/24 05:30*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/17/24 13:54	12/18/24 05:30	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/17/24 13:54	12/18/24 05:30	EPA 8021B	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
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4L16012-05 (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	P4L1713	12/17/24 13:54	12/18/24 05:52	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 05:52	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 05:52	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 05:52	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 05:52	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*78.7 %*	*80-120*		*P4L1713*	*12/17/24 13:54*	*12/18/24 05:52*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*102 %*	*80-120*		*P4L1713*	*12/17/24 13:54*	*12/18/24 05:52*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/17/24 13:54	12/18/24 05:52	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/17/24 13:54	12/18/24 05:52	EPA 8021B	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
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4L16012-06 (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	P4L1713	12/17/24 13:54	12/18/24 06:14	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 06:14	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 06:14	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 06:14	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 06:14	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*78.8 %*	*80-120*		*P4L1713*	*12/17/24 13:54*	*12/18/24 06:14*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*104 %*	*80-120*		*P4L1713*	*12/17/24 13:54*	*12/18/24 06:14*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/17/24 13:54	12/18/24 06:14	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/17/24 13:54	12/18/24 06:14	EPA 8021B	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
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4L16012-07 (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	P4L1713	12/17/24 13:54	12/18/24 06:37	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 06:37	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 06:37	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 06:37	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 06:37	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*79.1 %*	*80-120*		*P4L1713*	*12/17/24 13:54*	*12/18/24 06:37*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*104 %*	*80-120*		*P4L1713*	*12/17/24 13:54*	*12/18/24 06:37*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/17/24 13:54	12/18/24 06:37	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/17/24 13:54	12/18/24 06:37	EPA 8021B	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
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4L16012-08 (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	P4L1713	12/17/24 13:54	12/18/24 06:59	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 06:59	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 06:59	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 06:59	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 06:59	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*76.9 %*	*80-120*		*P4L1713*	*12/17/24 13:54*	*12/18/24 06:59*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*103 %*	*80-120*		*P4L1713*	*12/17/24 13:54*	*12/18/24 06:59*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/17/24 13:54	12/18/24 06:59	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/17/24 13:54	12/18/24 06:59	EPA 8021B	

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DUP-1

4L16012-09 (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	P4L1713	12/17/24 13:54	12/18/24 07:21	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 07:21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 07:21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 07:21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1713	12/17/24 13:54	12/18/24 07:21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*78.3 %*	*80-120*		*P4L1713*	*12/17/24 13:54*	*12/18/24 07:21*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*103 %*	*80-120*		*P4L1713*	*12/17/24 13:54*	*12/18/24 07:21*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/17/24 13:54	12/18/24 07:21	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/17/24 13:54	12/18/24 07:21	EPA 8021B	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
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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 P4L1713 - * DEFAULT PREP *** **										
Blank (P4L1713-BLK1)				Prepared: 12/17/24 Analyzed: 12/18/24						
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	*0.0938*		*"*	*0.120*		*78.2*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.121*		*"*	*0.120*		*101*	*80-120*			
LCS (P4L1713-BS1)				Prepared: 12/17/24 Analyzed: 12/18/24						
Benzene	0.0947	0.00100	mg/L	0.100		94.7	80-120			
Toluene	0.0879	0.00100	"	0.100		87.9	80-120			
Ethylbenzene	0.0956	0.00100	"	0.100		95.6	80-120			
Xylene (p/m)	0.191	0.00200	"	0.200		95.5	80-120			
Xylene (o)	0.0854	0.00100	"	0.100		85.4	80-120			
Surrogate: 4-Bromofluorobenzene	*0.0968*		*"*	*0.120*		*80.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.132*		*"*	*0.120*		*110*	*80-120*			
LCS Dup (P4L1713-BSD1)				Prepared: 12/17/24 Analyzed: 12/18/24						
Benzene	0.0960	0.00100	mg/L	0.100		96.0	80-120	1.38	20	
Toluene	0.0921	0.00100	"	0.100		92.1	80-120	4.72	20	
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120	5.18	20	
Xylene (p/m)	0.201	0.00200	"	0.200		100	80-120	4.91	20	
Xylene (o)	0.0898	0.00100	"	0.100		89.8	80-120	5.00	20	
Surrogate: 4-Bromofluorobenzene	*0.0998*		*"*	*0.120*		*83.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.133*		*"*	*0.120*		*110*	*80-120*			
Calibration Blank (P4L1713-CCB1)				Prepared: 12/17/24 Analyzed: 12/18/24						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.210		"							
Xylene (p/m)	0.240		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.0941*		*"*	*0.120*		*78.4*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.123*		*"*	*0.120*		*103*	*80-120*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
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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 P4L1713 - * DEFAULT PREP *** **										
Calibration Blank (P4L1713-CCB2)				Prepared: 12/17/24 Analyzed: 12/18/24						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.210		"							
Xylene (p/m)	0.240		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.0941*		*"*	*0.120*		*78.4*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.123*		*"*	*0.120*		*103*	*80-120*			
Calibration Check (P4L1713-CCV1)				Prepared: 12/17/24 Analyzed: 12/18/24						
Benzene	0.0983	0.00100	mg/L	0.100		98.3	80-120			
Toluene	0.0925	0.00100	"	0.100		92.5	80-120			
Ethylbenzene	0.0891	0.00100	"	0.100		89.1	80-120			
Xylene (p/m)	0.196	0.00200	"	0.200		98.2	80-120			
Xylene (o)	0.0906	0.00100	"	0.100		90.6	80-120			
Surrogate: 4-Bromofluorobenzene	*0.0983*		*"*	*0.120*		*81.9*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.132*		*"*	*0.120*		*110*	*80-120*			
Calibration Check (P4L1713-CCV2)				Prepared: 12/17/24 Analyzed: 12/18/24						
Benzene	0.104	0.00100	mg/L	0.100		104	80-120			
Toluene	0.0978	0.00100	"	0.100		97.8	80-120			
Ethylbenzene	0.0950	0.00100	"	0.100		95.0	80-120			
Xylene (p/m)	0.207	0.00200	"	0.200		104	80-120			
Xylene (o)	0.0946	0.00100	"	0.100		94.6	80-120			
Surrogate: 4-Bromofluorobenzene	*0.0959*		*"*	*0.120*		*79.9*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.131*		*"*	*0.120*		*109*	*80-120*			
Calibration Check (P4L1713-CCV3)				Prepared: 12/17/24 Analyzed: 12/18/24						
Benzene	0.0906	0.00100	mg/L	0.100		90.6	80-120			
Toluene	0.0879	0.00100	"	0.100		87.9	80-120			
Ethylbenzene	0.0881	0.00100	"	0.100		88.1	80-120			
Xylene (p/m)	0.191	0.00200	"	0.200		95.7	80-120			
Xylene (o)	0.0890	0.00100	"	0.100		89.0	80-120			
Surrogate: 4-Bromofluorobenzene	*0.0968*		*"*	*0.120*		*80.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.131*		*"*	*0.120*		*109*	*80-120*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
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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 P4L1713 - * DEFAULT PREP *** **										
Matrix Spike (P4L1713-MS1)	**Source: 4L16006-18**			Prepared: 12/17/24 Analyzed: 12/18/24						
Benzene	0.0864	0.00100	mg/L	0.100	ND	86.4	80-120			
Toluene	0.0751	0.00100	"	0.100	0.000560	74.5	80-120			QM-05
Ethylbenzene	0.0729	0.00100	"	0.100	0.00107	71.8	80-120			QM-05
Xylene (p/m)	0.143	0.00200	"	0.200	0.00144	70.7	80-120			QM-05
Xylene (o)	0.0621	0.00100	"	0.100	ND	62.1	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	*0.102*		"	*0.120*		*85.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.130*		"	*0.120*		*108*	*80-120*			
Matrix Spike Dup (P4L1713-MSD1)	**Source: 4L16006-18**			Prepared: 12/17/24 Analyzed: 12/18/24						
Benzene	0.0902	0.00100	mg/L	0.100	ND	90.2	80-120	4.25	20	
Toluene	0.0812	0.00100	"	0.100	0.000560	80.7	80-120	7.95	20	
Ethylbenzene	0.0854	0.00100	"	0.100	0.00107	84.3	80-120	16.0	20	
Xylene (p/m)	0.165	0.00200	"	0.200	0.00144	81.9	80-120	14.7	20	
Xylene (o)	0.0697	0.00100	"	0.100	ND	69.7	80-120	11.6	20	QM-05
Surrogate: 4-Bromofluorobenzene	*0.114*		"	*0.120*		*94.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.128*		"	*0.120*		*107*	*80-120*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: SRS 2009-092
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General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4L1707 - * DEFAULT PREP *** **										
Blank (P4L1707-BLK1)				Prepared & Analyzed: 12/17/24						
Chloride	ND	1.00	mg/L							
LCS (P4L1707-BS1)				Prepared & Analyzed: 12/17/24						
Chloride	18.9		mg/L	20.0		94.7	90-110			
LCS Dup (P4L1707-BSD1)				Prepared & Analyzed: 12/17/24						
Chloride	18.9		mg/L	20.0		94.4	90-110	0.249	10	
Calibration Check (P4L1707-CCV1)				Prepared & Analyzed: 12/17/24						
Chloride	19.2		mg/L	20.0		96.0	90-110			
Calibration Check (P4L1707-CCV2)				Prepared & Analyzed: 12/17/24						
Chloride	19.4		mg/L	20.0		96.9	90-110			
Matrix Spike (P4L1707-MS1)		**Source: 4L13001-01**		Prepared & Analyzed: 12/17/24						
Chloride	128		mg/L	100	23.4	105	80-120			
Matrix Spike Dup (P4L1707-MSD1)		**Source: 4L13001-01**		Prepared & Analyzed: 12/17/24						
Chloride	128		mg/L	100	23.4	105	80-120	0.0391	20	

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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 2009-092
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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 2009-092
Project #: SRS 2009-092
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 #: 4L16012

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	Chlorides 300.0	RUSH TAT (Pre-Schedule) 24, 48, 72 hr	Standard TAT
1	MW-2	-	-	12/16/24	1000		4	1		3						GW	3	1		X
2	MW-3	-	-	12/15/24	1540		3			3						GW	3			X
3	MW-4	-	-	12/16/24	1300		3			3						GW	3			X
4	MW-5	-	-	12/15/24	1020		3			3						GW	3			X
5	MW-6	-	-	12/15/24	1125		3			3						GW	3			X
6	MW-7	-	-	12/15/24	1240		3			3						GW	3			X
7	MW-8	-	-	12/15/24	1415		3			3						GW	3			X
8	MW-10	-	-	12/16/24	1145		3			3						GW	3			X
9	DUP-1	-	-	12/16/24	1301		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		12/16/24	1603			
2						
3				Received by PBEL:	12/16/24	16:03

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. ?
by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 4.8 °C Thermometor: NCF L3
Adjusted: 4.8 °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:	OGRID:
PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	34053
	Action Number: 512464
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
shanna.smith	OCD records indicate that an approved Stage 2 plan is not on file. Pursuant to 19.15.30 NMAC Plains must submit a Stage 2 Abatement plan no later than January 31, 2026, that meets all of the requirements of 19.15.30.13 NMAC	10/14/2025
shanna.smith	Alternatively, if a Stage 2 Abatement Report has been approved by OCD, provide a copy of Stage 2 Abatement Report by November 14, 2025, so OCD can update our Online records.	10/14/2025
shanna.smith	Clarify Paragraph 3 Page 8 states Monitor wells MW-2 through MW-14 were gauged and sampled during all four quarters of the monitoring period. Per Table 2, monitor wells MW-9, MW-11, MW-12, MW-13 and MW-14 were sampled semi-annually.	10/14/2025
shanna.smith	Continue to monthly O&M monitor well MW-1.	10/14/2025
shanna.smith	Quarterly monitor and sample MW-2, MW-3, MW-4, MW-7, MW-8 and MW-10 for BTEX and chlorides.	10/14/2025
shanna.smith	Semi-annual monitor and sample monitor wells MW-5, MW-6, MW-9, MW-12, and MW-14 for BTEX and chlorides.	10/14/2025
shanna.smith	Annual monitor and sample MW-11 and MW-13 for chlorides. If historical data shows chlorides below NMOCD regulatory standards submit data for review.	10/14/2025
shanna.smith	Please be advised that OCD approval of this report does not relieve the owner/operator of responsibility should operations pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the owner/operator of responsibility for compliance with an OCD, federal, state, or local laws and/or regulations.	10/14/2025