2023 Annual Groundwater Monitoring Report

REVIEWED
By Mike Buchanan at 4:25 pm, Aug 14, 2024

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

Review of the 2023 Annual Groundwater Monitoring Report for 14-In Vac to Jal Legacy: content satisfactory
1. Continue to conduct groundwater monitoring as scheduled for wells: MW-2, MW-3, MW-4, MW-7, MW-8 and MW-10 on a quarterly basis for BTEX
2. Continue to conduct groundwater monitoring for MW-5, MW-6, MW-9, and MW-11, through MW-14 semi-annually.
3. Monitor MW-2 for chlorides as prescribed
4. Continue to recover product as scheduled, including AFR events.
5. Submit the 2025 annual report to OCD by April 1, 2025.

Prepared By:

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ijo

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1.0 INTRODUCTION & SITE DESCRIPTION

Etech Environmental & Safety Solutions (Etech), on behalf of Plains All American Pipeline, LP (Plains), has prepared this *2023 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 1.

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 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 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 semi-annual basis.

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. Monthly gauging and manual recovery events were conducted during the 2023 reporting period.

A total of approximately 45 gallons of PSH were recovered from monitor well MW-1 during the monthly manual recovery events. The PSH thickness measured in MW-1 was approximately 0.01 feet in each of the monthly recovery events, with the exception of the March 10, 2023, recovery

event, in which the PSH thickness was measured at 0.50 feet. PSH Recovery Data is summarized in Table 3, "Phase-Separate Hydrocarbon (PSH) Thickness & Recovery Summary (MW-1)".

An Aggressive Fluid Recovery (AFR) event was conducted on monitor wells MW-1, MW-3, MW-4, and MW-8 during September 2023. Approximately 1,000 gallons (23.8 bbls) of hydrocarbon-impacted groundwater was recovered from monitor well MW-1 during the AFR event. The exact amount of PSH recovered during the event cannot be determined due to the method utilized to perform the AFR events. A hose is lowered into a well's fluid column and connected to a vacuum truck to recover both groundwater impacted with dissolved-phase hydrocarbons and PSH. AFR recovery data is summarized in Table 8, "Quarterly Aggressive Fluid Recovery (AFR) Summary".

Monthly manual recovery of hydrocarbon-impacted groundwater was conducted on monitor wells MW-3, MW-4, MW-8, and MW-13 in an effort to control the down- and cross-gradient migration of the dissolved-phase plume.

For monitor well MW-3, an estimated 813 gallons (19.4 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 908 gallons (21.6 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 1,312 gallons (31.2 bbls) of hydrocarbon-impacted groundwater was recovered during the reporting period via a combination of manual recovery and AFR.

For monitor well MW-13, an estimated 46.0 gallons (1.10 bbls) of hydrocarbon-impacted groundwater was recovered during the reporting period via manual recovery.

An approximate total of 4,124 gallons (98.2 bbls) of hydrocarbon-impacted groundwater were recovered from the Site during 2023 via a combination of manual recovery and AFR. A total of approximately 72,529 gallons (1,727 bbls) of impacted groundwater have been recovered during the AFR events since April of 2019.

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

Summaries of groundwater recovery data are provided in Tables 4 through 8.

3.2 Groundwater Monitoring

The on-site monitor wells were gauged and sampled on March 22 and 23 (1Q2023); June 23, 27, and 28 (2Q2023); September 12 (3Q2023); and December 2 and 3, 2023 (4Q2023). 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 2023 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 and PSH thickness data is summarized in Table 1.

None of the on-site monitor wells were subject to polycyclic aromatic hydrocarbons (PAH) monitoring during the reporting period. A cumulative summary of PAH analyses is provided as Table 9.

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 2023 reporting period due to the presence of PSH.

Monitor Well MW-2

Laboratory analytical results indicated benzene concentrations ranged from less than the laboratory method detection limit (MDL) in 2Q2023 to 0.00875 mg/L in 1Q2023. Toluene, ethylbenzene, and total xylene concentrations were less than the appropriate laboratory MDL in all submitted groundwater samples. Chloride concentrations ranged from 10,300 mg/L in 1Q2023 and 4Q2023 to 16,100 mg/L in 2Q2023.

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 benzene concentrations ranged from less than the laboratory MDL in 1Q2023 to 0.0102 mg/L in 3Q2023. Toluene, ethylbenzene, and total xylene concentrations were less than the appropriate laboratory MDL in all submitted groundwater samples.

Benzene concentrations exceeded the NMOCD regulatory standard of 0.01 mg/L in 3Q2023. Toluene, ethylbenzene, and total xylene concentrations were less than NMOCD regulatory standards in all submitted samples.

Monitor Well MW-4

Laboratory analytical results indicated benzene concentrations ranged from less than the laboratory MDL in 1Q2023, 2Q2023, and 3Q2023 to 0.00048 mg/L in 4Q2023. Toluene, ethylbenzene, and total xylene concentrations were less than the appropriate 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 BTEX constituent concentrations were less than the appropriate laboratory MDL and less than NMOCD regulatory standards in all submitted groundwater samples.

Monitor Welling MW-6

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

Monitor Well MW-7

Laboratory analytical results indicated benzene concentrations ranged from less than the laboratory MDL in 1Q2023, 2Q2023, and 3Q2023 to 0.000809 mg/L in 4Q2023. Toluene, ethylbenzene, total xylene concentrations were less than the appropriate 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 BTEX constituent concentrations were less than the appropriate laboratory MDL and less than NMOCD regulatory standards in all submitted groundwater samples.

Monitor Well MW-9

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

Monitor Well MW-10

Laboratory analytical results indicated benzene concentrations ranged from less than the laboratory MDL in 1Q2023, 2Q2023, and 3Q2023 to 0.00084 mg/L in 4Q2023. Toluene, ethylbenzene, and total xylene concentrations were less than the appropriate 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 benzene, toluene, ethylbenzene, and total xylene concentrations were less than the appropriate laboratory MDL and less than NMOCD regulatory standards in all submitted groundwater samples.

Monitor Well MW-12

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

Monitor Well MW-13

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

Monitor Well MW-14

Laboratory analytical results indicated benzene, toluene, ethylbenzene, and total xylene concentrations were less than the appropriate 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 2023 annual monitoring period. Currently, there are 14 groundwater monitor wells (MW-1 through MW-14) on-site. Monitor well MW-1 was not sampled in 2023 due to the presence of PSH.

Quarterly groundwater monitoring events were conducted on March 22 and 23 (1Q2023); June 28 (2Q2023); September 12 (3Q2023); and December 2 and 3, 2023 (4Q2023).

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.

A measurable thickness of PSH was detected in monitor well MW-1 throughout the 2023 reporting period. The PSH thickness measured in MW-1 was approximately 0.01 feet in each of the monthly recovery events, with the exception of the March 10, 2023, recovery event, in which the PSH thickness was measured at 0.50 feet.

An approximate total of 4,124 gallons (98.2 bbls) of hydrocarbon-impacted groundwater were recovered from the Site during 2023 via a combination of manual recovery and AFR. A total of approximately 72,529 gallons (1,727 bbls) of impacted groundwater have been recovered during the AFR events since April of 2019.

Review of laboratory analytical results generated from analysis of groundwater samples collected in 2023 indicated benzene concentrations exceeded the NMOCD regulatory standard of 0.01 mg/L in the groundwater sample collected from monitor well MW-3 in 3Q2023. Benzene concentrations were less than the NMOCD regulatory standard in all groundwater samples submitted from monitor wells MW-2 and MW-4 through MW-14. Toluene, ethylbenzene and total xylene concentrations were less than 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.

6.0 ANTICIPATED ACTIONS

Monitor wells MW-2, MW-3, MW-4, MW-7, MW-8, and MW-10 will continue to be monitored and sampled quarterly for concentrations of BTEX. Monitor wells MW-5, MW-6, MW-9, and MW-11 through MW-14 will be sampled on a semi-annual basis. Monitor well MW-2 will continue to be monitored and sampled quarterly for concentrations of chloride.

PSH recovery from monitor well MW-1 will continue monthly. Groundwater recovery from monitor wells MW-3 and MW-4 will continue on a monthly schedule. AFR events will be conducted on a bimonthly basis (i.e., every other month) to enhance recovery of hydrocarbon-

impacted groundwater. All recovered fluid will be disposed of at an NMOCD-permitted disposal facility.

Since monitor wells MW-8 and MW-13 are cross-gradient of the dissolved-phase plume and have exhibited eight (8) or more consecutive quarters with no concentrations of BTEX constituents above the appropriate laboratory MDL and/or NMOCD regulatory standards, no additional groundwater recovery will be conducted from the wells.

Results of the 2024 sampling events will be reported in the *2024 Annual Monitoring Report*, which will be submitted to the NMOCD by April 1, 2025.

7.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this *2023 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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Jeff Dann
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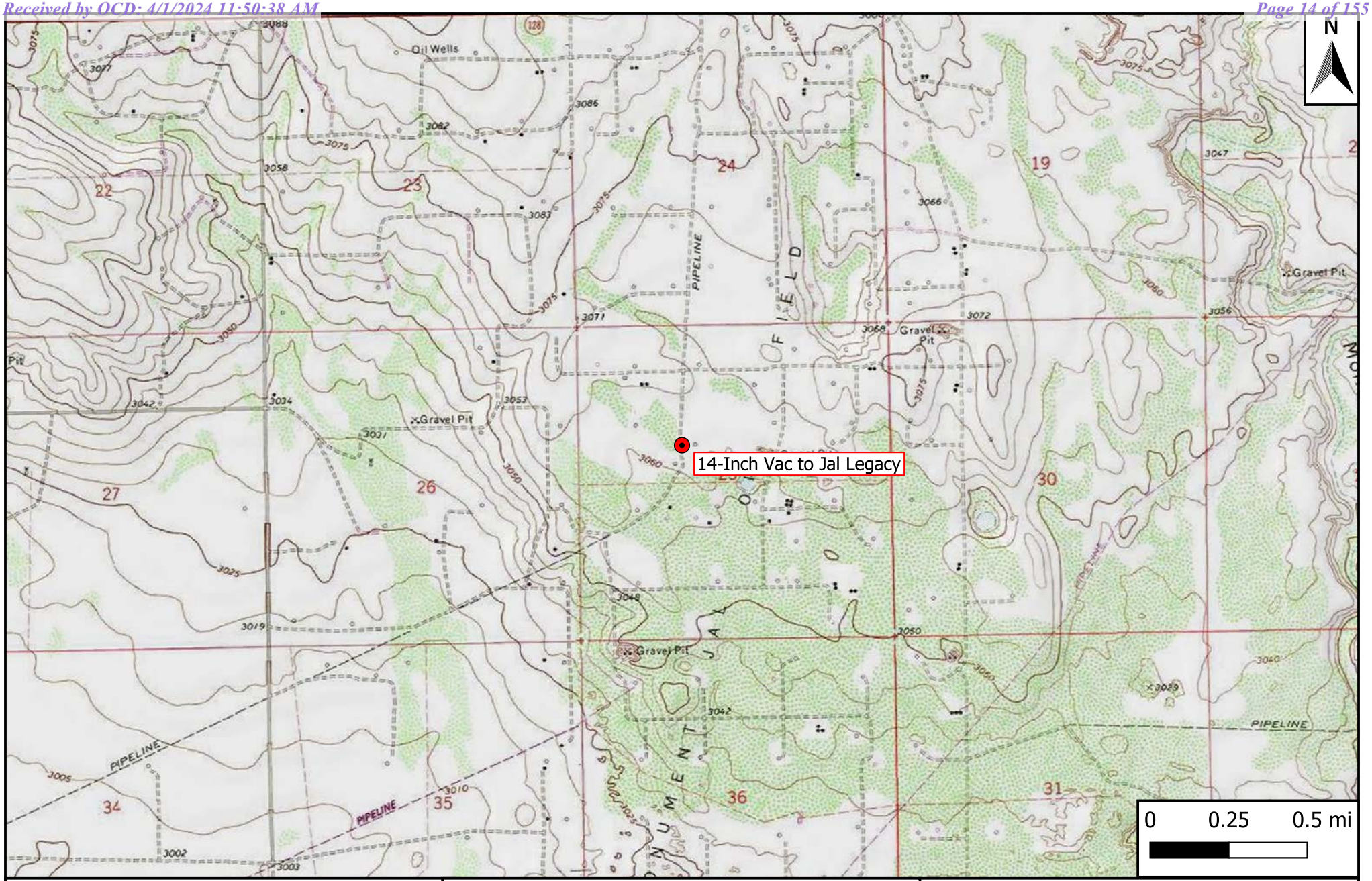
(Electronic Submission)

Figure 1
Site Location Map



Legend

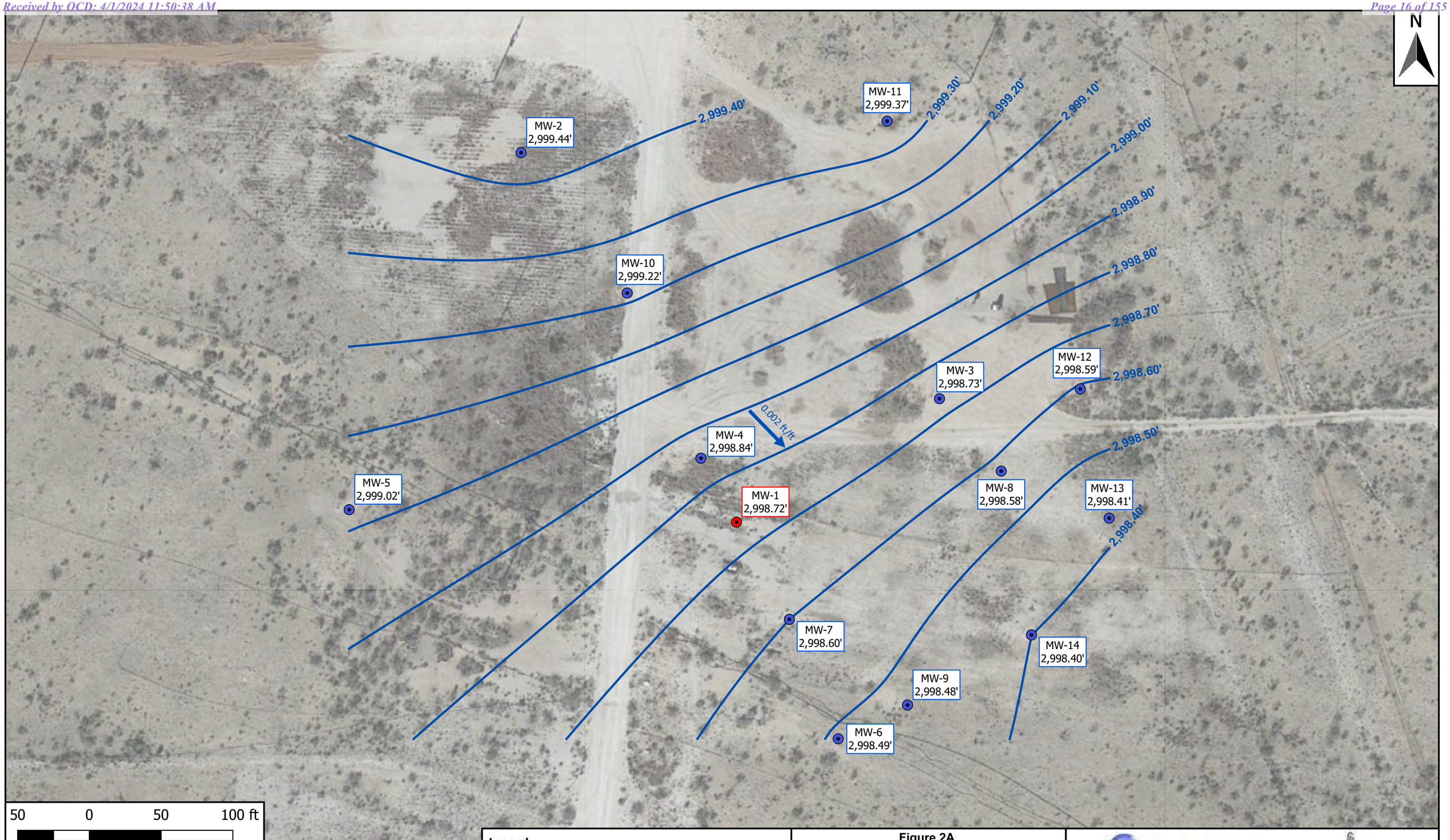
- Site Location

Figure 1
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: 3/28/24

Figures 2A - 2D
Inferred Groundwater Gradient Maps



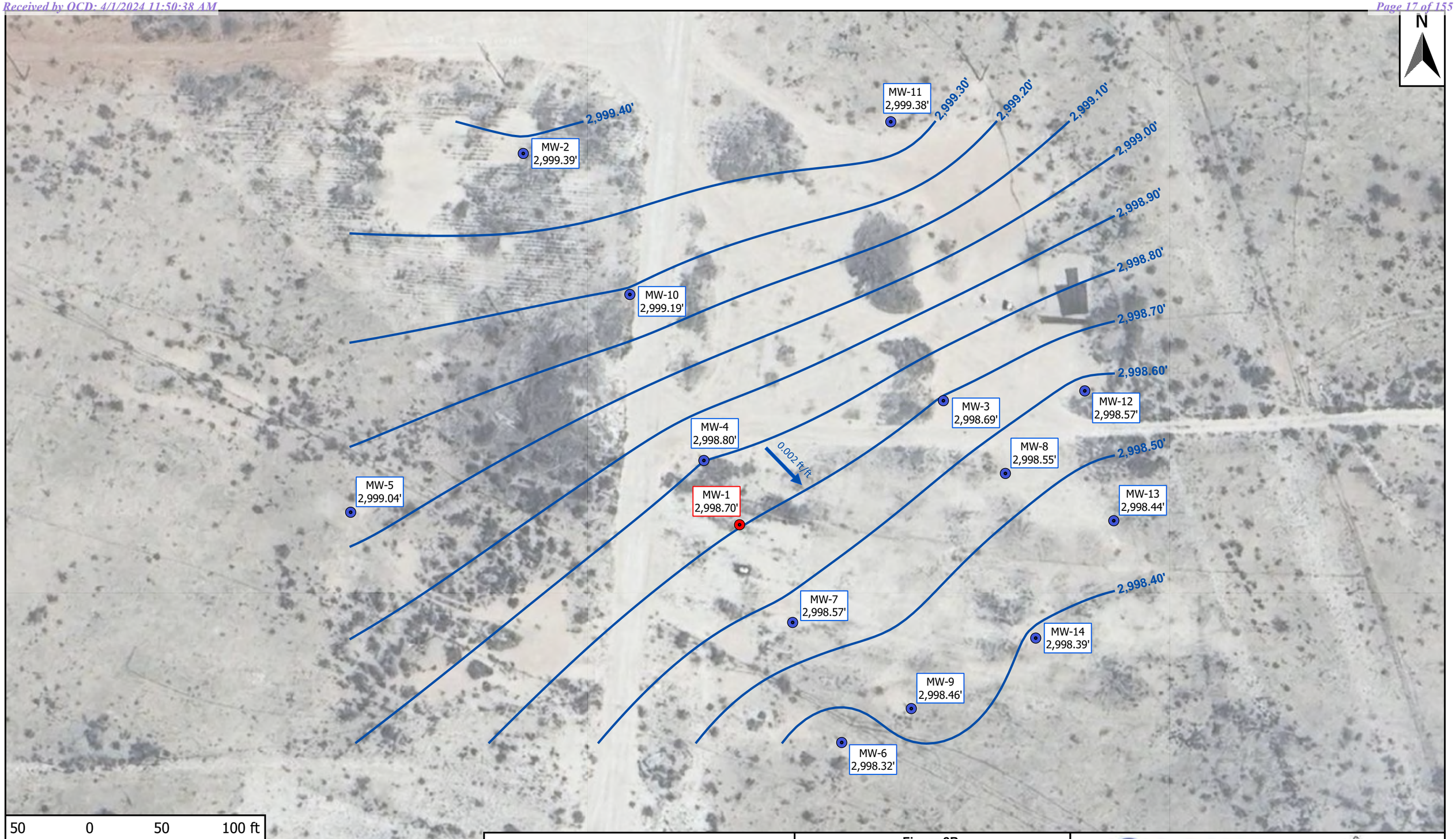
Notes:
Groundwater gradient magnitude measured between monitor wells MW-2 and MW-14.
Due to the presence of PSH, monitor well MW-1 was not utilized in map construction. Monitor wells MW-4 and MW-10 were also not utilized in map construction.

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

Figure 2A
Inferred Groundwater Gradient Map – 1Q2023
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: 5/22/2023



Notes:
Groundwater gradient magnitude measured between monitor wells MW-2 and MW-14.
Due to the presence of PSH, monitoring well MW-1 was not utilized in map construction.

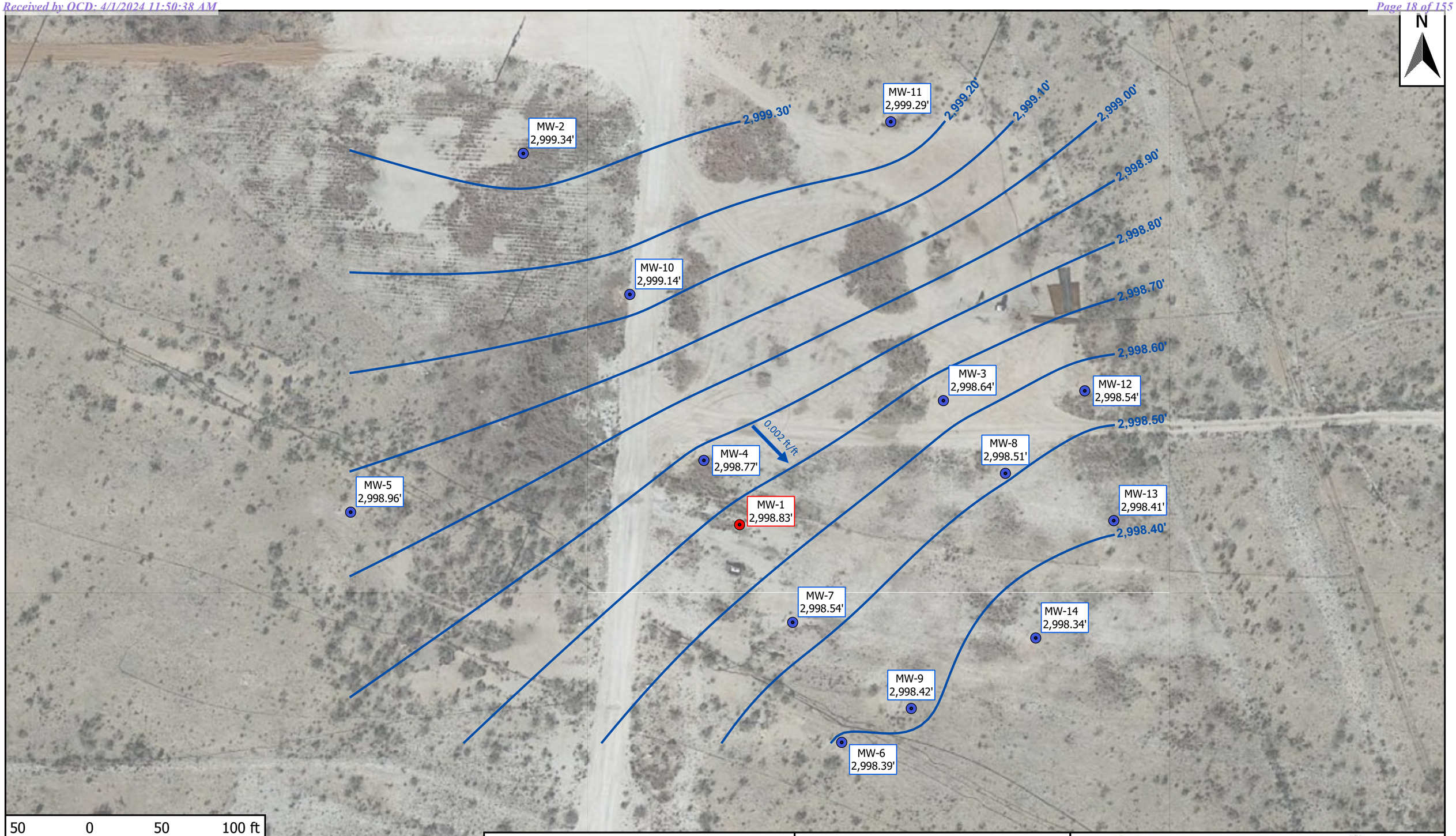
Legend

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

Figure 2B
Inferred Groundwater Gradient Map – 2Q2023
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: 3/28/2024



Notes:
Groundwater gradient magnitude measured between monitor wells MW-2 and MW-14.
Due to the presence of PSH, monitor well MW-1 was not utilized in map construction.

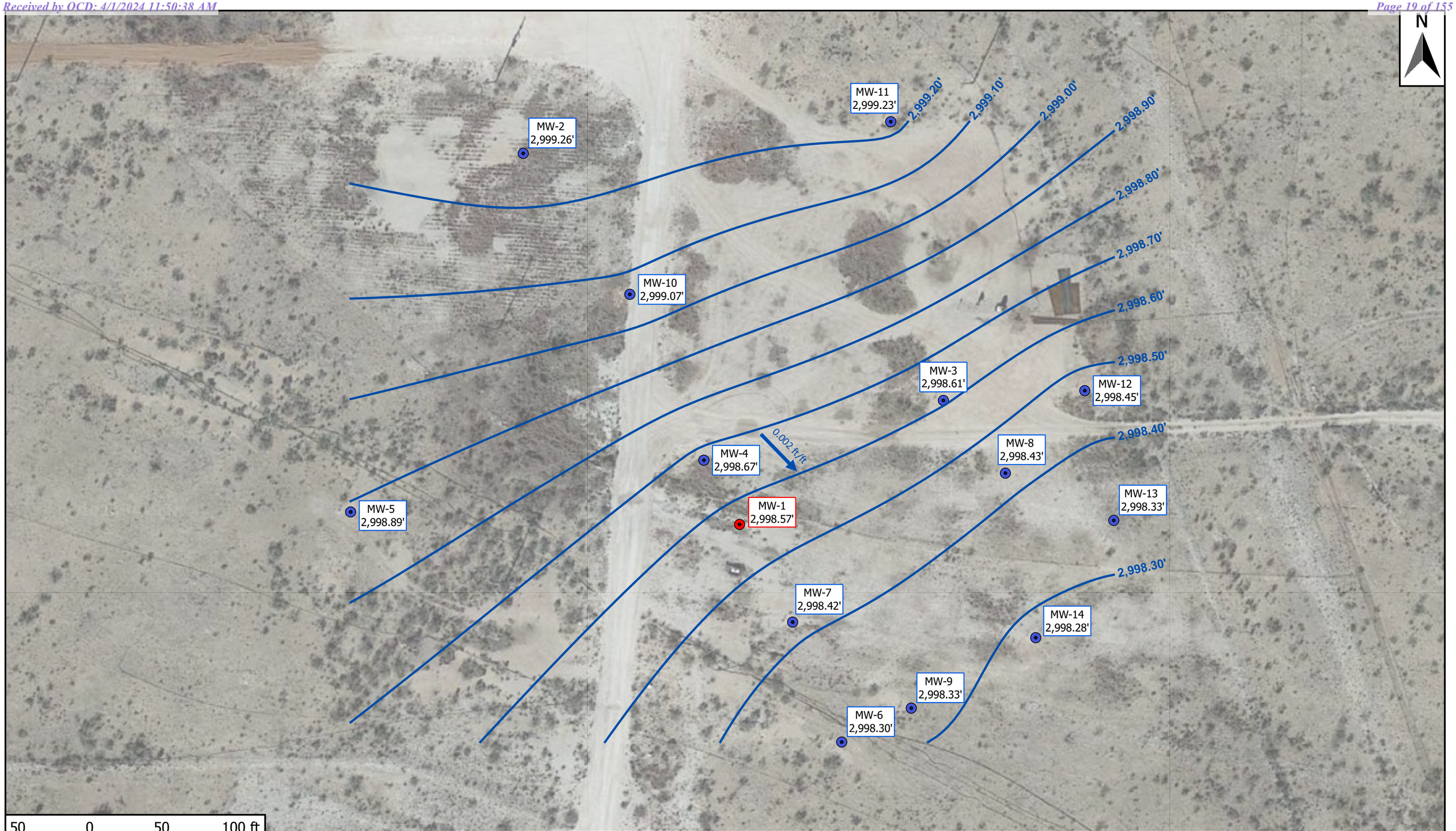
Legend

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

Figure 2C
Inferred Groundwater Gradient Map – 3Q2023
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: 9/25/2023



Notes:
Groundwater gradient magnitude measured between monitor wells MW-2 and MW-14.
Due to the presence of PSH, monitor well MW-1 was not utilized in map construction.

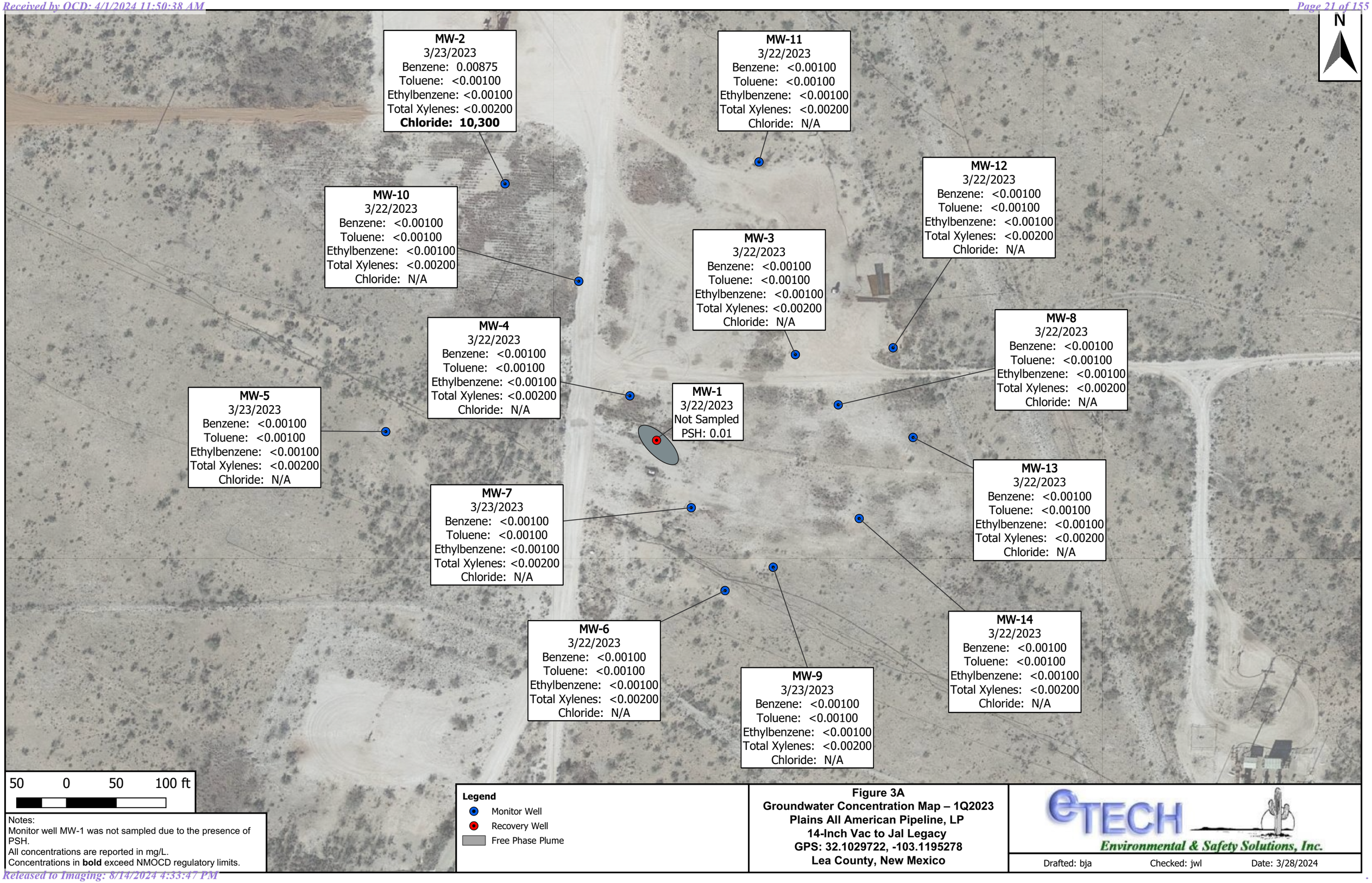
Legend
- Monitor Well
- Recovery Well
- Groundwater Elevation Contour (ft)
- Groundwater Gradient/Magnitude

Figure 2D
Inferred Groundwater Gradient Map – 4Q2023
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: 2/7/2024

Figures 3A - 3D
Groundwater Concentration Maps

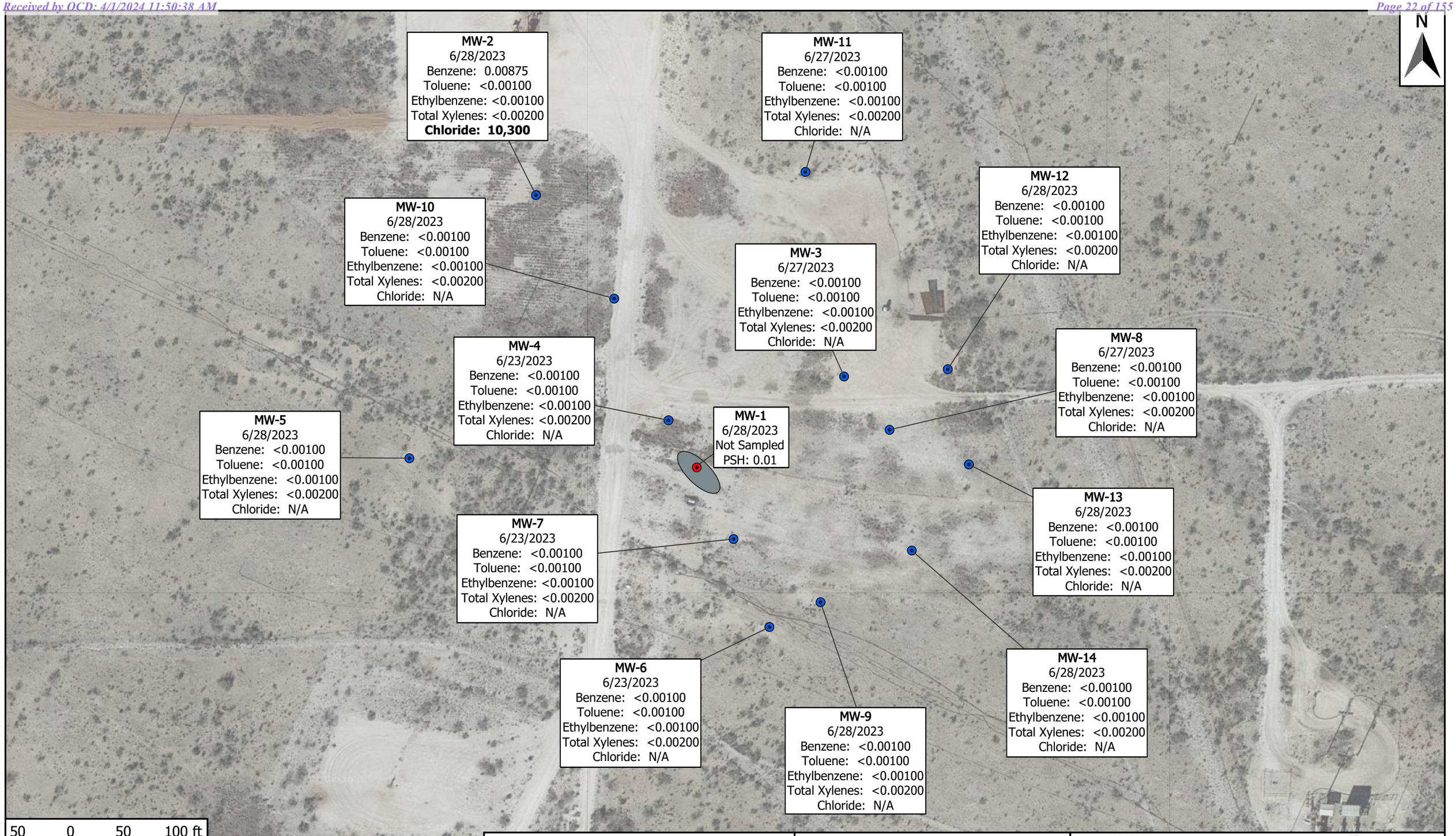


Notes:
Monitor well MW-1 was not sampled due to the presence of PSH.
All concentrations are reported in mg/L.
Concentrations in **bold** exceed NMOCD regulatory limits.

Figure 3A
Groundwater Concentration Map – 1Q2023
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: 3/28/2024

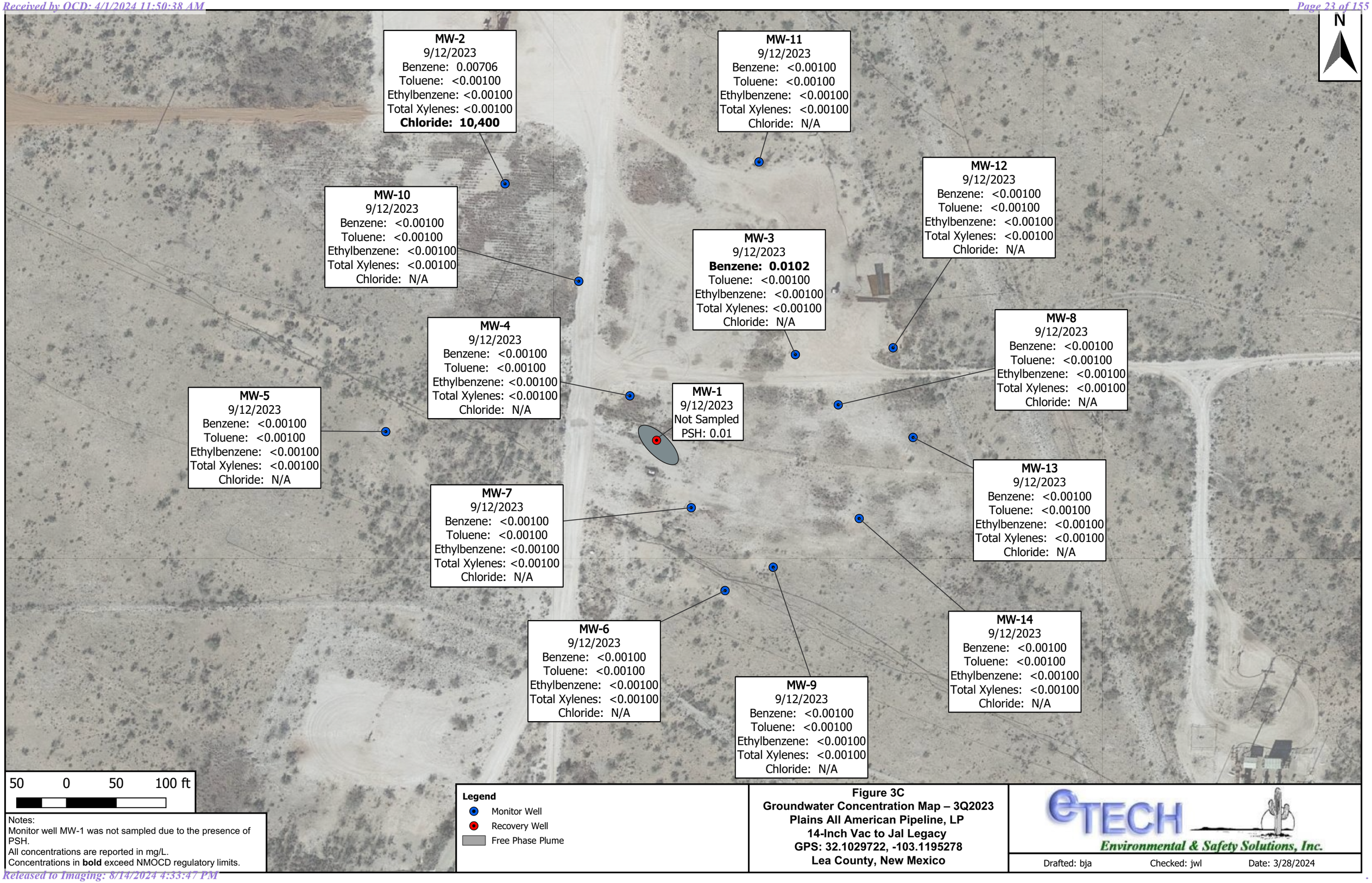


Notes:
Monitor well MW-1 was not sampled due to the presence of PSH.
All concentrations are reported in mg/L.
Concentrations in **bold** exceed NMOCD regulatory limits.

Figure 3B
Groundwater Concentration Map – 2Q2023
Plains All American Pipeline, LP
14-Inch Vac to Jal Legacy
GPS: 32.1029722, -103.1195278
Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 3/28/2024

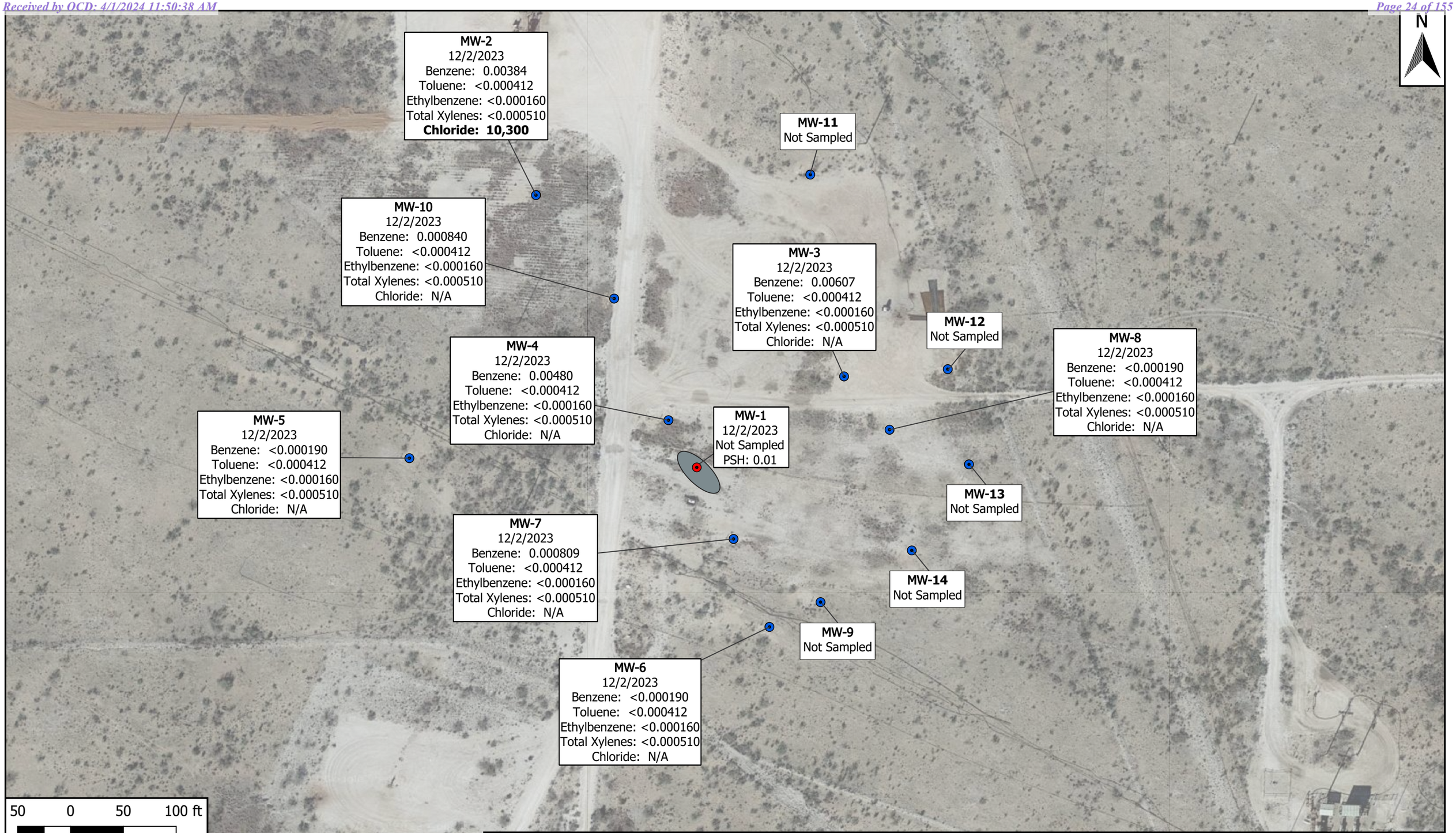


Notes:
Monitor well MW-1 was not sampled due to the presence of PSH.
All concentrations are reported in mg/L.
Concentrations in **bold** exceed NMOCD regulatory limits.

Figure 3C
Groundwater Concentration Map – 3Q2023
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: 3/28/2024



Notes:
Monitor well MW-1 was not sampled due to the presence of PSH.
Monitor wells MW-9 and MW-11 through MW-14 are sampled on a semi-annual schedule.
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 – 4Q2023
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: 3/28/2024

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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	03/07/2022	3,062.62	63.76	63.79	0.03	2,998.86
	06/20/2022		63.8	63.83	0.03	2,998.82
	09/19/2022		63.84	63.88	0.04	2,998.77
	02/24/2023		63.91	63.92	0.01	2,998.71
	03/22/2023		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
MW-2	03/07/2022	3,062.56	-	63.05	-	2,999.51
	06/20/2022		-	63.08	-	2,999.48
	09/19/2022		-	63.11	-	2,999.45
	02/24/2023		-	63.14	-	2,999.42
	03/22/2023		-	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
MW-3	03/07/2022	3,062.73	-	63.87	-	2,998.86
	06/20/2022		-	63.93	-	2,998.80
	09/19/2022		-	63.94	-	2,998.79
	02/24/2023		-	64.06	-	2,998.67
	03/22/2023		-	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
MW-4	03/07/2022	3,062.43	-	63.47	-	2,998.96
	06/20/2022		-	63.48	-	2,998.95
	09/19/2022		-	63.53	-	2,998.90
	02/24/2023		-	63.58	-	2,998.85
	03/22/2023		-	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
MW-5	03/07/2022	3,063.23	-	64.05	-	2,999.18
	06/20/2022		-	64.08	-	2,999.15
	09/19/2022		-	64.12	-	2,999.11
	02/24/2023		-	64.15	-	2,999.08
	03/22/2023		-	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
MW-6	03/07/2022	3,062.60	-	64.02	-	2,998.58
	06/20/2022		-	64.05	-	2,998.55
	09/19/2022		-	64.08	-	2,998.52
	02/24/2023		-	64.19	-	2,998.41
	03/22/2023		-	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
MW-7	03/07/2022	3,062.69	-	63.98	-	2,998.71
	06/20/2022		-	64.03	-	2,998.66
	09/19/2022		-	64.05	-	2,998.64
	02/24/2023		-	64.05	-	2,998.64
	03/22/2023		-	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

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 monitoring 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	03/07/2022	3,062.42	-	63.75	-	2,998.67
	06/20/2022		-	63.79	-	2,998.63
	09/19/2022		-	63.80	-	2,998.62
	02/24/2023		-	63.83	-	2,998.59
	03/22/2023		-	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
MW-9	03/07/2022	3,062.77	-	64.14	-	2,998.63
	06/20/2022		-	64.18	-	2,998.59
	09/19/2022		-	64.20	-	2,998.57
	02/24/2023		-	64.21	-	2,998.56
	03/22/2023		-	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
MW-10	03/07/2022	3,062.50	-	63.15	-	2,999.35
	06/20/2022		-	63.18	-	2,999.32
	09/19/2022		-	63.22	-	2,999.28
	02/24/2023		-	64.22	-	2,998.28
	03/22/2023		-	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
MW-11	03/07/2022	3,063.50	-	64.01	-	2,999.49
	06/20/2022		-	64.07	-	2,999.43
	09/19/2022		-	64.09	-	2,999.41
	02/24/2023		-	64.18	-	2,999.32
	03/22/2023		-	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
MW-12	03/07/2022	3,062.20	-	63.47	-	2,998.73
	06/20/2022		-	63.53	-	2,998.67
	09/19/2022		-	63.55	-	2,998.65
	02/24/2023		-	63.58	-	2,998.62
	03/22/2023		-	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
MW-13	03/07/2022	3,062.71	-	64.15	-	2,998.56
	06/20/2022		-	64.18	-	2,998.53
	09/19/2022		-	64.19	-	2,998.52
	02/24/2023		-	64.35	-	2,998.36
	03/22/2023		-	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
MW-14	03/07/2022	3,062.50	-	63.98	-	2,998.52
	06/20/2022		-	64.02	-	2,998.48
	09/19/2022		-	64.02	-	2,998.48
	02/24/2023		-	64.08	-	2,998.42
	03/22/2023		-	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

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 monitoring 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	03/09/2022	Not sampled due to the presence of Phase-Separated Hydrocarbons (PSH)							
	06/23/2022								
	09/21/2022								
	02/24/2023								
	03/22/2023								
	06/28/2023								
	09/12/2023								
	12/02/2023								
MW-2	03/09/2022	**0.0105**	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	0.0105	**11,100**
	06/23/2022	**0.0176**	<0.000367	<0.000657	<0.000629	<0.000642	<0.000642	0.0176	**10,500**
	09/21/2022	0.00686	<0.000475	<0.000411	<0.00124	0.000551	<0.00124	0.00686	**10,500**
	02/24/2023	0.00709	<0.000367	<0.000657	<0.000629	<0.000642	<0.000642	0.00709	**12,800**
	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**
MW-3	03/09/2022	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400	-
	DUP-2	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400	-
	06/23/2022	**0.0285**	<0.000367	<0.000657	<0.000629	<0.000642	<0.000642	0.0285	-
	09/21/2022	**0.0399**	<0.000475	<0.000411	<0.00124	<0.000551	<0.00124	0.0399	-
	DUP-1	**0.0392**	<0.000475	<0.000411	<0.00124	<0.000551	<0.00124	0.0392	-
	02/24/2023	0.00301	<0.000367	<0.000657	<0.000629	<0.000642	<0.000642	0.00301	-
	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	-
MW-4	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	-
	DUP-1	<0.000408	<0.000367	<0.000657	<0.000629	<0.000642	<0.000642	<0.000657	-
	09/21/2022	0.000554	<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	-
	06/23/2023	<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	-
	DUP-1	0.000671	<0.000412	<0.000160	-	-	<0.000510	0.000671	-
MW-5	03/08/2022	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400	-
	06/23/2022	<0.00056	<0.000367	<0.000657	<0.000629	<0.000642	<0.000629	<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	-
	03/23/2023	<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	-
MW-6	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	-
	06/23/2023	<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	-
MW-7	03/08/2022	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400	-
	06/23/2022	0.00142	<0.000367	<0.000657	<0.000629	<0.000642	<0.000642	0.00142	-
	09/21/2022	0.000999	<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	-
	03/23/2023	<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	-

Notes:
1. BTEX: Benzene, Toluene, Ethylbenzene, and Total Xylenes
2. NMWQCC: New Mexico Water Quality Control Commission
r
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	03/08/2022	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400	-
	DUP-1	<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	-
	12/03/2023	<0.000190	<0.000412	<0.000160	-	-	<0.000510	<0.000510	-
MW-9	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	<0.00629	<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	-
	03/23/2023	<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)							
MW-10	03/08/2022	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400	-
	06/23/2022	0.00183	<0.000367	<0.000657	<0.000629	<0.000642	<0.000642	0.00183	-
	09/21/2022	0.000941	<0.000475	<0.000411	<0.00124	<0.000551	<0.00124	<0.00124	-
	02/24/2023	0.00183	<0.000367	<0.000657	<0.000629	<0.000642	<0.000642	0.00183	-
	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	-
MW-11	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 (Semi-Annual Schedule)							
MW-12	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	<0.000408	<0.000367	<0.000657	<0.000629	<0.000642	<0.000642	<0.000657	-
	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 (Semi-Annual Schedule)							
MW-13	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 (Semi-Annual Schedule)							
MW-14	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	-
	DUP-2	<0.000408	<0.000367	<0.000657	<0.000629	<0.000642	<0.000642	<0.000657	-
	09/29/2022	<0.000553	<0.000475	<0.000411	<0.00124	<0.000551	<0.00124	<0.00124	-
	DUP-2	<0.000553	<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 (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
Phase-Separate Hydrocarbon (PSH) Thickness & Recovery Summary (MW-1)

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)	Total Fluid Recovery (gallons)	PSH Recovered (gallons)
MW-1	01/29/2021	3,062.62	63.56	63.89	0.33	3.0	0.054
MW-1	02/25/2021	3,062.62	63.59	63.84	0.25	1,260.0	0.041
MW-1	03/25/2021	3,062.62	63.57	63.89	0.32	5.0	0.052
MW-1	04/28/2021	3,062.62	63.30	63.79	0.49	5.0	0.080
MW-1	05/20/2021	3,062.62	63.61	63.78	0.17	1,470.0	0.028
MW-1	06/29/2021	3,062.62	63.64	63.79	0.15	5.0	0.024
MW-1	07/28/2021	3,062.62	63.69	63.77	0.08	5.0	0.013
MW-1	08/12/2021	3,062.62	63.70	63.75	0.05	1,575.0	0.008
MW-1	08/24/2021	3,062.62	-	-	-	5.0	-
MW-1	10/26/2021	3,062.62	63.08	64.05	0.97	5.0	0.158
MW-1	11/11/2021	3,062.62	63.75	63.96	0.21	1,575.0	0.034
MW-1	11/30/2021	3,062.62	63.73	63.86	0.13	5.0	0.021
MW-1	12/21/2021	3,062.62	63.76	64.15	0.39	5.0	0.064
MW-1	01/24/2022	3,062.62	-	-	-	5.0	-
MW-1	02/10/2022	3,062.62	63.78	63.88	0.10	840.0	0.016
MW-1	02/21/2022	3,062.62	Sheen	63.73	-	5.0	-
MW-1	03/30/2022	3,062.62	63.84	63.88	0.04	5.0	0.007
MW-1	04/26/2022	3,062.62	63.78	63.82	0.04	5.0	0.007
MW-1	05/19/2022	3,062.62	69.03	Probe not working properly		810.00	
MW-1	05/26/2022	3,062.62	63.81	63.82	0.01	5.0	0.002
MW-1	08/24/2022	3,062.62	63.85	63.94	0.09	5.0	0.015
MW-1	09/29/2022	3,062.62	63.84	63.88	0.04	1,350	0.007
MW-1	10/31/2022	3,062.62	63.92	63.96	0.04	5.0	0.007
MW-1	11/22/2022	3,062.62	-	63.85	No sheen	5.0	-
MW-1	02/24/2023	3,062.62	63.91	63.92	0.01	-	-
MW-1	03/10/2023	3,062.62	63.40	63.90	0.50	5.0	0.500
MW-1	03/22/2023	3,062.62	63.89	63.90	0.01	-	-
MW-1	05/12/2023	3,062.62	63.91	63.92	0.01	5.0	0.002
MW-1	06/23/2023	3,062.62	63.92	63.93	0.01	5.0	0.002
MW-1	07/26/2023	3,062.62	63.90	63.91	0.01	5.0	0.002
MW-1	08/24/2023	3,062.62	63.89	63.90	0.01	5.0	0.002
MW-1	09/12/2023	3,062.62	63.79	63.80	0.01	5.0	0.002
MW-1	09/25/2023	3,062.62	63.79	63.80	0.01	1,000	-
MW-1	10/12/2023	3,062.62	63.86	63.87	0.01	5.0	0.002
MW-1	11/02/2023	3,062.62	63.83	63.84	0.01	5.0	0.002
MW-1	12/29/2023	3,062.62	64.07	64.08	0.01	5.0	0.002
2023 Average PSH Thickness & Recovery Totals					**0.05**	**1,045**	**0.51**

Notes:

* Elevation measurements are in feet above mean sea level, based on the North American Vertical Datum of 1988.

Dash (-): Not measured or Not Applicable

Table 4
Gauging & Groundwater Recovery Summary (MW-3)

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*	Groundwater Recovered (gallons)
MW-3	01/29/2021	3,062.73	3.0
MW-3	02/24/2021	3,062.73	1,050
MW-3	03/25/2021	3,062.73	5.0
MW-3	04/28/2021	3,062.73	5.0
MW-3	05/19/2021	3,062.73	1,260
MW-3	06/29/2021	3,062.73	5.0
MW-3	07/28/2021	3,062.73	5.0
MW-3	08/11/2021	3,062.73	1,575
MW-3	08/24/2021	3,062.73	5.0
MW-3	10/26/2021	3,062.73	5.0
MW-3	11/10/2021	3,062.73	855
MW-3	11/30/2021	3,062.73	5.0
MW-3	12/21/2021	3,062.73	5.0
MW-3	01/24/2022	3,062.73	5.0
MW-3	02/09/2022	3,062.73	840
MW-3	02/21/2022	3,062.73	5.0
MW-3	03/30/2022	3,062.73	5.0
MW-3	04/26/2022	3,062.73	5.0
MW-3	05/18/2022	3,062.73	810
MW-3	05/26/2022	3,062.73	5.0
MW-3	08/24/2022	3,062.73	5.0
MW-3	09/28/2022	3,062.73	1,350
MW-3	10/31/2022	3,062.73	5.0
MW-3	11/22/2022	3,062.73	5.0
MW-3	02/24/2023	3,062.73	10.0
MW-3	03/10/2023	3,062.73	5.0
MW-3	05/12/2023	3,062.73	5.0
MW-3	06/23/2023	3,062.73	9.0
MW-3	07/26/2023	3,062.73	5.0
MW-3	08/24/2023	3,062.73	5.0
MW-3	09/12/2023	3,062.73	9.0
MW-3	09/27/2023	3,062.73	750.0
MW-3	10/12/2023	3,062.73	5.0
MW-3	11/02/2023	3,062.73	5.0
MW-3	12/29/2023	3,062.73	5.0
2023 Total Recovered			**813**

Notes:
* Elevation measurements are in feet above mean sea level, based on the North American Vertical Datum of 1988.
Dash (-): Not measured or Not Applicable

Table 5
Gauging & Groundwater Recovery Summary (MW-4)

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*	Groundwater Recovered (gallons)
MW-4	01/29/2021	3,062.43	3.0
MW-4	02/23/2021	3,062.43	10.0
MW-4	03/25/2021	3,062.43	5.0
MW-4	04/28/2021	3,062.43	5.0
MW-4	05/17/2021	3,062.43	5.0
MW-4	06/29/2021	3,062.43	5.0
MW-4	07/28/2021	3,062.43	5.0
MW-4	08/12/2021	3,062.43	5.0
MW-4	08/24/2021	3,062.43	5.0
MW-4	10/26/2021	3,062.43	5.0
MW-4	11/11/2021	3,062.43	5.0
MW-4	11/30/2021	3,062.43	5.0
MW-4	12/21/2021	3,062.43	5.0
MW-4	01/24/2022	3,062.43	5.0
MW-4	02/10/2022	3,062.43	10.0
MW-4	02/21/2022	3,062.43	5.0
MW-4	03/30/2022	3,062.43	5.0
MW-4	Not bailed 2Q	3,062.43	N/A
MW-4	08/24/2022	3,062.43	5.0
MW-4	09/29/2022	3,062.43	5.0
MW-4	10/31/2022	3,062.43	5.0
MW-4	11/22/2022	3,062.43	5.0
MW-4	02/24/2023	3,062.43	40.0
MW-4	03/10/2023	3,062.43	5.0
MW-4	05/12/2023	3,062.43	5.0
MW-4	06/23/2023	3,062.43	42.0
MW-4	07/26/2023	3,062.43	5.0
MW-4	08/24/2023	3,062.43	5.0
MW-4	09/12/2023	3,062.43	41.0
MW-4	09/27/2024	3,062.43	750
MW-4	10/12/2023	3,062.43	5.0
MW-4	11/02/2023	3,062.43	5.0
MW-4	12/29/2023	3,062.43	5.0
		2023 Total Recovered	**908**

Notes:

* Elevation measurements are in feet above mean sea level, based on the North American Vertical Datum of 1988.

Dash (-): Not measured or Not Applicable

Table 6
Gauging & Groundwater Recovery Summary (MW-8)

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*	Groundwater Recovered (gallons)
MW-8	01/29/2021	3,062.42	3.0
MW-8	02/22/2021	3,062.42	1,176
MW-8	03/25/2021	3,062.42	5.0
MW-8	04/28/2021	3,062.42	5.0
MW-8	05/18/2021	3,062.42	1,176
MW-8	06/29/2021	3,062.42	5.0
MW-8	07/28/2021	3,062.42	5.0
MW-8	08/10/2021	3,062.42	1,125
MW-8	08/24/2021	3,062.42	5.0
MW-8	10/26/2021	3,062.42	5.0
MW-8	11/09/2021	3,062.42	1,080
MW-8	11/30/2021	3,062.42	5.0
MW-8	12/21/2021	3,062.42	5.0
MW-8	01/24/2022	3,062.42	5.0
MW-8	02/08/2022	3,062.42	1,260
MW-8	02/21/2022	3,062.42	5.0
MW-8	03/30/2022	3,062.42	5.0
MW-8	04/26/2022	3,062.42	5.0
MW-8	05/17/2022	3,062.42	1,170
MW-8	05/26/2022	3,062.42	5.0
MW-8	08/24/2022	3,062.42	5.0
MW-8	09/27/2022	3,062.42	2,700
MW-8	10/31/2022	3,062.42	5.0
MW-8	11/22/2022	3,062.42	5.0
MW-8	02/24/2023	3,062.42	9.0
MW-8	03/10/2023	3,062.42	5.0
MW-8	05/12/2023	3,062.42	5.0
MW-8	06/23/2023	3,062.42	9.0
MW-8	07/26/2023	3,062.42	5.0
MW-8	08/24/2023	3,062.42	5.0
MW-8	09/12/2023	3,062.42	9.0
MW-8	09/26/2024	3,062.42	1,250
MW-8	10/12/2023	3,062.42	5.0
MW-8	11/02/2023	3,062.42	5.0
MW-8	12/29/2023	3,062.42	5.0
		2023 Total Recovered	**1,312**

Notes:
* Elevation measurements are in feet above mean sea level, based on the North American Vertical Datum of 1988.
Dash (-): Not measured or Not Applicable

Table 7
Gauging & Groundwater Recovery Summary (MW-13)

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*	Groundwater Recovered (gallons)
MW-13	01/29/2021	3,062.71	3.0
MW-13	02/23/2021	3,062.71	1,260
MW-13	03/25/2021	3,062.71	5.0
MW-13	04/28/2021	3,062.71	5.0
MW-13	05/17/2021	3,062.71	1,260
MW-13	06/29/2021	3,062.71	5.0
MW-13	07/28/2021	3,062.71	5.0
MW-13	08/09/2021	3,062.71	1,260
MW-13	08/24/2021	3,062.71	5.0
MW-13	10/26/2021	3,062.71	5.0
MW-13	11/08/2021	3,062.71	585
MW-13	11/30/2021	3,062.71	5.0
MW-13	12/21/2021	3,062.71	5.0
MW-13	01/24/2022	3,062.71	5.0
MW-13	02/07/2022	3,062.71	546
MW-13	02/21/2022	3,062.71	5.0
MW-13	03/30/2022	3,062.71	5.0
MW-13	04/26/2022	3,062.71	5.0
MW-13	05/16/2022	3,062.71	585
MW-13	05/26/2022	3,062.71	5.0
MW-13	08/24/2022	3,062.71	5.0
MW-13	09/26/2022	3,062.71	1,350
MW-13	10/31/2022	3,062.71	5.0
MW-13	11/22/2022	3,062.71	5.0
MW-13	02/24/2023	3,062.71	10.0
MW-13	03/10/2023	3,062.71	5.0
MW-13	05/12/2023	3,062.71	5.0
MW-13	06/23/2023	3,062.71	8.0
MW-13	07/26/2023	3,062.71	5.0
MW-13	08/24/2023	3,062.71	5.0
MW-13	09/12/2023	3,062.71	8.0
2023 Total Recovered			**46.0**

Notes:

* Elevation measurements are in feet above mean sea level, based on the North American Vertical Datum of 1988.

Dash (-): Not measured or Not Applicable

Table 8
Quarterly Aggressive Fluid Recovery (AFR) Summary

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

Monitoring	Date	Targeted	Fluid	Notes
MW-1	02/25/2021	PSH*/BTEX**	1,260	Vac Truck
MW-3	02/24/2021	BTEX	1,050	Vac Truck
MW-8	02/22/2021	BTEX	1,176	Vac Truck
MW-13	02/23/2021	BTEX	1,260	Vac Truck
1Q21 Total Recovered			**4,746**	
MW-1	02/25/2021	PSH/BTEX	1,470	Vac Truck
MW-3	02/24/2021	BTEX	1,260	Vac Truck
MW-8	02/22/2021	BTEX	1,176	Vac Truck
MW-13	02/23/2021	BTEX	1,260	Vac Truck
2Q21 Total Recovered			**5,166**	
MW-1	08/12/2021	PSH/BTEX	1,470	Vac Truck
MW-3	08/11/2021	BTEX	1,470	Vac Truck
MW-8	08/10/2021	BTEX	1,050	Vac Truck
MW-13	08/09/2021	BTEX	1,176	Vac Truck
3Q21 Total Recovered			**5,166**	
MW-1	11/11/2021	PSH/BTEX	1,470	Vac Truck
MW-3	11/10/2021	BTEX	798	Vac Truck
MW-8	11/09/2021	BTEX	1,008	Vac Truck
MW-13	11/08/2021	BTEX	546	Vac Truck
4Q21 Total Recovered			**3,822**	
2021 Total Recovered			**18,900**	
MW-1	02/10/2022	PSH & BTEX	840	Vac Truck
MW-3	02/09/2022	BTEX	840	Vac Truck
MW-8	02/08/2022	BTEX	1,260	Vac Truck
MW-13	02/07/2022	BTEX	546	Vac Truck
1Q22 Total Recovered			**3,486**	
MW-1	05/19/2022	PSH/BTEX	810	Vac Truck
MW-3	05/18/2022	BTEX	810	Vac Truck
MW-8	05/17/2022	BTEX	1,170	Vac Truck
MW-13	05/16/2022	BTEX	585	Vac Truck
2Q22 Total Recovered			**3,375**	
MW-1	09/29/2022	PSH/BTEX	1,350	Vac Truck
MW-3	09/28/2022	BTEX	1,350	Vac Truck
MW-8	09/27/2022	BTEX	2,700	Vac Truck
MW-13	09/26/2022	BTEX	1,350	Vac Truck
3Q22 Total Recovered			**6,750**	
2022 Total Recovered			**13,611**	
MW-1	09/25/2024	PSH/BTEX	1,000	Vac Truck
MW-3	09/27/2024	BTEX	750	Vac Truck
MW-4	09/27/2024	BTEX	750	Vac Truck
MW-8	09/26/2024	BTEX	1,250	Vac Truck
2023 Total Recovered			**3,750**	
Total Recovered to Date			**72,529**	

Notes:

*PSH: Phase-Separated Hydrocarbons

**BTEX: Benzene, toluene, ethylbenzene, and total xylenes.

Table 9
Concentrations of Polycyclic Aromatic Hydrocarbons (PAH) in Groundwater

14-Inch Vac to Jal Legacy
Lea County, New Mexico
Plains All American Pipeline SRS #: 2009-092
NMOCD Incident ID#: nAPP2109729126

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

SAMPLE LOCATION	SAMPLE DATE	EPA 8270D																
		Naphthalene	Benzo(a)pyrene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)Pyrene	Phenanthrene	Pyrene
NMWQCC[1] Standards		0.03	0.0007	NE[2]														
MW-1	11/25/2019	Not sampled due to the presence of Phase-Separated Hydrocarbons (PSH)																
	12/08/2020																	
MW-2	06/07/2013	N/A	<0.00021	<0.005	<0.005	<0.00017	<0.005	<0.00039	<0.005	<0.00053	<0.005	<0.005	N/A	<0.00026	<0.00032	<0.005	<0.00029	<0.00029
	05/12/2014	N/A	<0.000053	<0.000053	<0.000053	<0.000053	<0.000053	<0.000053	<0.000053	<0.000053	<0.000053	<0.000053	N/A	<0.000053	<0.000053	<0.000053	<0.000053	<0.000053
	11/25/2019	N/A	<0.000053	<0.000053	<0.000053	<0.000053	<0.000053	<0.000053	<0.000053	<0.000053	<0.000053	<0.000053	N/A	<0.000053	<0.000053	<0.000053	<0.000053	<0.000053
	12/09/2020	**0.000242 J**	<0.0000588	<0.000103	<0.000086	<0.0000893	<0.000139	<0.0000733	<0.000117	<0.000120	<0.000161	<0.0000784	NA	<0.000162	<0.000104	<0.0000942	<0.0000877	<0.000134
MW-3	06/07/2013	N/A	<0.00021	<0.005	<0.005	<0.00017	<0.005	<0.00039	<0.005	<0.00054	<0.005	<0.005	N/A	<0.00026	<0.00032	<0.005	<0.00029	<0.00029
	05/12/2014	N/A	<0.000051	<0.000051	<0.000051	<0.000051	<0.000051	<0.000051	<0.000051	<0.000051	<0.000051	<0.000051	N/A	<0.000051	<0.000051	<0.000051	<0.000051	<0.000051
	11/25/2019	Well Not Sampled																
	12/09/2020	<0.000101	<0.0000594	<0.000104	<0.000087	<0.0000902	<0.000140	<0.0000741	<0.000118	<0.000121	<0.000163	<0.0000792	NA	<0.000164	<0.000105	<0.0000951	<0.0000886	<0.000136
	03/09/2022	<0.00362	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181
MW-4	06/07/2013	N/A	<0.000053	<0.000053	<0.000053	<0.000053	<0.000053	<0.000053	<0.000053	<0.000053	<0.000053	<0.000053	N/A	<0.000053	<0.000053	<0.000053	<0.000053	<0.000053
	05/12/2014	N/A	<0.00021	<0.005	<0.005	<0.00017	<0.005	<0.00040	<0.005	<0.00054	<0.005	<0.005	N/A	<0.00027	<0.00032	<0.005	<0.00029	<0.00030
	11/25/2019	Well Not Sampled																
	12/09/2020	<0.000103	<0.0000604	<0.000106	<0.000089	<0.0000917	<0.000142	<0.0000753	<0.000120	<0.000123	<0.000165	<0.0000805	N/A	<0.000166	<0.000107	<0.0000967	<0.0000901	<0.000138
	03/09/2022	<0.00361	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181
MW-5	06/07/2013	N/A	<0.00021	<0.005	<0.005	<0.00017	<0.005	<0.00039	<0.005	<0.00054	<0.005	<0.005	N/A	<0.00026	<0.00032	<0.005	<0.00029	<0.00029
	05/12/2014	N/A	<0.000052	<0.000052	<0.000052	<0.000052	<0.000052	<0.000052	<0.000052	<0.000052	<0.000052	<0.000052	N/A	<0.000052	<0.000052	<0.000052	<0.000052	<0.000052
	11/25/2019	Well Not Sampled																
	12/08/2020	<0.000100	<0.0000589	<0.000103	<0.000086	<0.0000894	<0.000139	<0.0000734	<0.000117	<0.000120	<0.000161	<0.0000785	N/A	<0.000162	<0.000104	<0.0000943	<0.0000878	<0.000135
	03/08/2022	<0.00360	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181
MW-6	06/07/2013	N/A	<0.00021	<0.005	<0.005	<0.00017	<0.005	<0.00040	<0.005	<0.00055	<0.005	<0.005	N/A	<0.00027	<0.00033	<0.005	<0.00030	<0.00030
	05/12/2014	N/A	<0.000052	<0.000052	<0.000052	<0.000052	<0.000052	<0.000052	<0.000052	<0.000052	<0.000052	<0.000052	N/A	<0.000052	<0.000052	<0.000052	<0.000052	<0.000052
	11/25/2019	Well Not Sampled																
	12/08/2020	<0.000117	<0.0000689	<0.000121	<0.000102	<0.000105	<0.000162	<0.0000858	<0.000137	<0.000140	<0.000189	<0.0000918	N/A	<0.000190	<0.000122	<0.000110	<0.000103	<0.000157
	03/08/2022	<0.00362	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181

Notes:
1. NMQCC: New Mexico Water Quality Control Commission
2. NE: Not Established
J: The target analyte was positively identified below the quantitation limit and above the detection limit
Bold text indicates a concentration above the laboratory detection limit.
Highlighted text indicates a concentration exceeding the NMOCD RRAL

Table 9
Concentrations of Polycyclic Aromatic Hydrocarbons (PAH) in Groundwater

14-Inch Vac to Jal Legacy
Lea County, New Mexico
Plains All American Pipeline SRS #: 2009-092
NMOCD Incident ID#: nAPP2109729126

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

SAMPLE LOCATION	SAMPLE DATE	EPA 8270D																
		Naphthalene	Benzo(a)pyrene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)Pyrene	Phenanthrene	Pyrene
MW-7	07/02/2014	N/A	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	N/A	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	11/25/2019	Well Not Sampled																
	12/08/2020	<0.000133	<0.0000778	<0.000136	<0.000115	<0.000118	<0.000183	<0.0000969	<0.000154	<0.000158	<0.000213	<0.000104	N/A	<0.000214	<0.000137	<0.000124	<0.000116	<0.000178
	03/08/2022	<0.00385	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193
MW-8	07/02/2014	N/A	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	N/A	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	11/25/2019	Well Not Sampled																
	12/09/2020	<0.000114	<0.0000667	<0.000117	<0.000098	<0.000101	<0.000157	<0.0000831	<0.000132	<0.000136	<0.000183	<0.0000889	N/A	<0.000184	<0.000118	<0.000107	<0.0000994	<0.000152
	03/09/2022	<0.00360	<0.000180	<0.000180	<0.000180	<0.000180	<0.000180	<0.000180	<0.000180	<0.000180	<0.000180	<0.000180	<0.000180	<0.000180	<0.000180	<0.000180	<0.000180	<0.000180
MW-9	07/02/2014	N/A	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	N/A	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	11/25/2019	Well Not Sampled																
	12/08/2020	<0.000116	<0.0000679	<0.000119	<0.000100	<0.000103	<0.000160	<0.0000846	<0.000135	<0.000138	<0.000186	<0.0000904	N/A	<0.000187	<0.000120	<0.000109	<0.000101	<0.000155
	03/08/2022	<0.00362	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181
MW-10	11/25/2019	<1.16	N/A	<2.09	<1.12	<0.811	N/A	N/A	N/A	N/A	<1.38	N/A	N/A	<0.740	<1.09	N/A	<0.771	<1.38
	12/08/2020	<0.000110	<0.0000646	<0.000113	<0.000095	<0.0000981	<0.000152	<0.0000805	<0.000128	<0.000132	<0.000177	<0.0000861	N/A	<0.000178	<0.000114	<0.000103	<0.0000963	<0.000148
MW-11	11/25/2019	<1.16	N/A	<2.09	<1.12	<0.811	N/A	N/A	N/A	N/A	<1.38	N/A	N/A	<0.740	<1.09	N/A	<0.771	<1.38
	12/08/2020	<0.000100	<0.0000587	<0.000103	<0.000086	<0.0000891	<0.000138	<0.0000731	<0.000116	<0.000119	<0.000161	<0.0000781	N/A	<0.000162	<0.000104	<0.0000939	<0.0000874	<0.000134
MW-12	11/25/2019	<1.16	N/A	<2.09	<1.12	<0.811	N/A	N/A	N/A	N/A	<1.38	N/A	N/A	<0.740	<1.09	N/A	<0.771	<1.38
	12/09/2020	<0.0000997	<0.0000585	<0.000102	<0.000086	<0.0000888	<0.000138	<0.0000729	<0.000116	<0.000119	<0.000160	<0.0000779	N/A	<0.000161	<0.000103	<0.0000936	<0.0000872	<0.000134
MW-13	11/25/2019	<1.16	N/A	<2.09	<1.12	<0.811	N/A	N/A	N/A	N/A	<1.38	N/A	N/A	<0.740	<1.09	N/A	<0.771	<1.38
	12/09/2020	<0.000115	<0.0000674	<0.000118	<0.000099	<0.000102	<0.000159	<0.0000840	<0.000134	<0.000137	<0.000184	<0.0000898	N/A	<0.000186	<0.000119	<0.000108	<0.000100	<0.000154
MW-14	11/25/2019	<1.16	N/A	<2.09	<1.12	<0.811	N/A	N/A	N/A	N/A	<1.38	N/A	N/A	<0.740	<1.09	N/A	<0.771	<1.38
	12/08/2020	<0.000107	<0.0000627	<0.000110	<0.000092	<0.0000952	<0.000148	<0.0000781	<0.000124	<0.000128	<0.000172	<0.0000835	N/A	<0.000173	<0.000111	<0.000100	<0.0000935	<0.000143

Notes:
1. NMQCC: New Mexico Water Quality Control Commission
2. NE: Not Established
J: The target analyte was positively identified below the quantitation limit and above the detection limit
Bold text indicates a concentration above the laboratory detection limit.
Highlighted text indicates a concentration exceeding the NMOCD RRAL

Appendix A
Laboratory Analytical Reports

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

PBELAB

Analytical Report

Prepared for:

Joel Lowry

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

13000 West County Road 100

Odessa, TX 79765

Project: Plains-14" Vac to Jal Legacy

Project Number: 17474

Location: Lea County, NM

Lab Order Number: 3D03008

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 04/18/23

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Plains-14" Vac to Jal Legacy
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-14	3D03008-01	Water	03/22/23 10:33	04-03-2023 14:40
MW-6	3D03008-02	Water	03/23/23 12:00	04-03-2023 14:40
MW-7	3D03008-03	Water	03/23/23 11:24	04-03-2023 14:40
MW-5	3D03008-04	Water	03/23/23 13:28	04-03-2023 14:40
MW-2	3D03008-05	Water	03/23/23 13:45	04-03-2023 14:40
MW-10	3D03008-06	Water	03/22/23 14:36	04-03-2023 14:40
MW-12	3D03008-07	Water	03/22/23 11:52	04-03-2023 14:40
MW-8	3D03008-08	Water	03/22/23 11:07	04-03-2023 14:40
MW-11	3D03008-09	Water	03/22/23 13:28	04-03-2023 14:40
MW-3	3D03008-10	Water	03/22/23 11:28	04-03-2023 14:40
MW-9	3D03008-11	Water	03/23/23 09:05	04-03-2023 14:40
MW-13	3D03008-12	Water	03/22/23 10:51	04-03-2023 14:40
MW-4	3D03008-13	Water	03/22/23 14:15	04-03-2023 14:40

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Plains-14" Vac to Jal Legacy
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

MW-14

3D03008-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 00:46	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 00:46	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 00:46	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 00:46	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 00:46	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*112 %*	*80-120*		*P3D0302*	*04/03/23 15:51*	*04/04/23 00:46*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*94.2 %*	*80-120*		*P3D0302*	*04/03/23 15:51*	*04/04/23 00:46*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Plains-14" Vac to Jal Legacy
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

MW-6

3D03008-02 (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	P3D0302	04/03/23 15:51	04/04/23 01:07	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 01:07	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 01:07	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 01:07	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 01:07	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*112 %*	*80-120*		*P3D0302*	*04/03/23 15:51*	*04/04/23 01:07*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*92.2 %*	*80-120*		*P3D0302*	*04/03/23 15:51*	*04/04/23 01:07*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Plains-14" Vac to Jal Legacy
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

MW-7

3D03008-03 (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	P3D0302	04/03/23 15:51	04/04/23 01:29	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 01:29	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 01:29	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 01:29	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 01:29	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*111 %*	*80-120*		*P3D0302*	*04/03/23 15:51*	*04/04/23 01:29*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*92.1 %*	*80-120*		*P3D0302*	*04/03/23 15:51*	*04/04/23 01:29*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Plains-14" Vac to Jal Legacy
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

MW-5

3D03008-04 (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	P3D0302	04/03/23 15:51	04/04/23 01:50	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 01:50	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 01:50	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 01:50	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 01:50	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*111 %*	*80-120*		*P3D0302*	*04/03/23 15:51*	*04/04/23 01:50*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*92.6 %*	*80-120*		*P3D0302*	*04/03/23 15:51*	*04/04/23 01:50*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Plains-14" Vac to Jal Legacy
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

MW-2

3D03008-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
Organics by GC									
Benzene	**0.00875**	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 02:11	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 02:11	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 02:11	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 02:11	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 02:11	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*111 %*	*80-120*		*P3D0302*	*04/03/23 15:51*	*04/04/23 02:11*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*93.0 %*	*80-120*		*P3D0302*	*04/03/23 15:51*	*04/04/23 02:11*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**10300**	100	mg/L	100	P3D1414	04/15/23 15:00	04/16/23 13:12	EPA 300.0	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Plains-14" Vac to Jal Legacy
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

MW-10

3D03008-06 (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	P3D0302	04/03/23 15:51	04/04/23 02:32	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 02:32	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 02:32	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 02:32	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 02:32	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*109 %*	*80-120*		*P3D0302*	*04/03/23 15:51*	*04/04/23 02:32*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*94.5 %*	*80-120*		*P3D0302*	*04/03/23 15:51*	*04/04/23 02:32*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Plains-14" Vac to Jal Legacy
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

MW-12

3D03008-07 (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	P3D0302	04/03/23 15:51	04/04/23 02:52	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 02:52	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 02:52	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 02:52	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 02:52	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*111 %*	*80-120*		*P3D0302*	*04/03/23 15:51*	*04/04/23 02:52*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.3 %*	*80-120*		*P3D0302*	*04/03/23 15:51*	*04/04/23 02:52*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Plains-14" Vac to Jal Legacy
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

MW-8

3D03008-08 (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	P3D0302	04/03/23 15:51	04/04/23 03:13	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 03:13	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 03:13	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 03:13	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 03:13	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*112 %*	*80-120*		*P3D0302*	*04/03/23 15:51*	*04/04/23 03:13*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*94.4 %*	*80-120*		*P3D0302*	*04/03/23 15:51*	*04/04/23 03:13*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Plains-14" Vac to Jal Legacy
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

MW-11

3D03008-09 (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	P3D0302	04/03/23 15:51	04/04/23 04:15	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 04:15	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 04:15	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 04:15	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 04:15	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*114 %*	*80-120*		*P3D0302*	*04/03/23 15:51*	*04/04/23 04:15*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*90.5 %*	*80-120*		*P3D0302*	*04/03/23 15:51*	*04/04/23 04:15*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Plains-14" Vac to Jal Legacy
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

MW-3

3D03008-10 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 04:37	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 04:37	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 04:37	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 04:37	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 04:37	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*112 %*	*80-120*		*P3D0302*	*04/03/23 15:51*	*04/04/23 04:37*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*90.6 %*	*80-120*		*P3D0302*	*04/03/23 15:51*	*04/04/23 04:37*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Plains-14" Vac to Jal Legacy
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

MW-9

3D03008-11 (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	P3D0302	04/03/23 15:51	04/04/23 04:58	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 04:58	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 04:58	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 04:58	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 04:58	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*111 %*	*80-120*		*P3D0302*	*04/03/23 15:51*	*04/04/23 04:58*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*89.1 %*	*80-120*		*P3D0302*	*04/03/23 15:51*	*04/04/23 04:58*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Plains-14" Vac to Jal Legacy
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

MW-13

3D03008-12 (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	P3D0302	04/03/23 15:51	04/04/23 05:19	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 05:19	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 05:19	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 05:19	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 05:19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*113 %*	*80-120*		*P3D0302*	*04/03/23 15:51*	*04/04/23 05:19*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*93.5 %*	*80-120*		*P3D0302*	*04/03/23 15:51*	*04/04/23 05:19*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Plains-14" Vac to Jal Legacy
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

MW-4

3D03008-13 (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	P3D0302	04/03/23 15:51	04/04/23 05:41	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 05:41	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 05:41	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 05:41	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3D0302	04/03/23 15:51	04/04/23 05:41	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*112 %*	*80-120*		*P3D0302*	*04/03/23 15:51*	*04/04/23 05:41*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*92.2 %*	*80-120*		*P3D0302*	*04/03/23 15:51*	*04/04/23 05:41*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Plains-14" Vac to Jal Legacy
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

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 P3D0302 - * DEFAULT PREP *** **										
Blank (P3D0302-BLK1)				Prepared & Analyzed: 04/03/23						
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	*0.132*		"	*0.120*		*110*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.110*		"	*0.120*		*91.7*	*80-120*			
LCS (P3D0302-BS1)				Prepared & Analyzed: 04/03/23						
Benzene	0.117	0.00100	mg/L	0.100		117	80-120			
Toluene	0.115	0.00100	"	0.100		115	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.240	0.00200	"	0.200		120	80-120			
Xylene (o)	0.114	0.00100	"	0.100		114	80-120			
Surrogate: 4-Bromofluorobenzene	*0.137*		"	*0.120*		*114*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*95.8*	*80-120*			
LCS Dup (P3D0302-BSD1)				Prepared & Analyzed: 04/03/23						
Benzene	0.114	0.00100	mg/L	0.100		114	80-120	2.37	20	
Toluene	0.115	0.00100	"	0.100		115	80-120	0.00873	20	
Ethylbenzene	0.118	0.00100	"	0.100		118	80-120	1.17	20	
Xylene (p/m)	0.239	0.00200	"	0.200		120	80-120	0.246	20	
Xylene (o)	0.113	0.00100	"	0.100		113	80-120	0.563	20	
Surrogate: 4-Bromofluorobenzene	*0.132*		"	*0.120*		*110*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.111*		"	*0.120*		*92.7*	*80-120*			
Calibration Blank (P3D0302-CCB1)				Prepared & Analyzed: 04/03/23						
Benzene	0.130		ug/l							
Toluene	0.290		"							
Ethylbenzene	0.470		"							
Xylene (p/m)	1.45		"							
Xylene (o)	0.650		"							
Surrogate: 4-Bromofluorobenzene	*0.133*		"	*0.120*		*111*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.112*		"	*0.120*		*93.4*	*80-120*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Plains-14" Vac to Jal Legacy
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

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 P3D0302 - * DEFAULT PREP *** **										
Calibration Blank (P3D0302-CCB2)				Prepared: 04/03/23 Analyzed: 04/04/23						
Benzene	0.0900		ug/l							
Toluene	0.220		"							
Ethylbenzene	0.430		"							
Xylene (p/m)	1.07		"							
Xylene (o)	0.440		"							
Surrogate: 4-Bromofluorobenzene	*0.134*		*"*	*0.120*		*112*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.111*		*"*	*0.120*		*92.5*	*80-120*			
Calibration Check (P3D0302-CCV1)				Prepared & Analyzed: 04/03/23						
Benzene	0.0818	0.00100	mg/L	0.100		81.8	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120			
Xylene (p/m)	0.237	0.00200	"	0.200		119	80-120			
Xylene (o)	0.115	0.00100	"	0.100		115	80-120			
Surrogate: 4-Bromofluorobenzene	*0.140*		*"*	*0.120*		*117*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.1*	*80-120*			
Calibration Check (P3D0302-CCV2)				Prepared: 04/03/23 Analyzed: 04/04/23						
Benzene	0.0861	0.00100	mg/L	0.100		86.1	80-120			
Toluene	0.109	0.00100	"	0.100		109	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.240	0.00200	"	0.200		120	80-120			
Xylene (o)	0.118	0.00100	"	0.100		118	80-120			
Surrogate: 4-Bromofluorobenzene	*0.129*		*"*	*0.120*		*108*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.108*		*"*	*0.120*		*90.0*	*80-120*			
Calibration Check (P3D0302-CCV3)				Prepared: 04/03/23 Analyzed: 04/04/23						
Benzene	0.109	0.00100	mg/L	0.100		109	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120			
Xylene (p/m)	0.219	0.00200	"	0.200		109	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 4-Bromofluorobenzene	*0.109*		*"*	*0.120*		*91.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.0961*		*"*	*0.120*		*80.1*	*80-120*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Plains-14" Vac to Jal Legacy
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

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 P3D0302 - * DEFAULT PREP *** **										
Matrix Spike (P3D0302-MS1)	**Source: 3C27011-01**			Prepared: 04/03/23 Analyzed: 04/04/23						
Benzene	0.112	0.00100	mg/L	0.100	ND	112	80-120			
Toluene	0.109	0.00100	"	0.100	ND	109	80-120			
Ethylbenzene	0.116	0.00100	"	0.100	ND	116	80-120			
Xylene (p/m)	0.233	0.00200	"	0.200	ND	117	80-120			
Xylene (o)	0.107	0.00100	"	0.100	ND	107	80-120			
Surrogate: 4-Bromofluorobenzene	*0.137*		*"*	*0.120*		*114*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.109*		*"*	*0.120*		*90.7*	*80-120*			
Matrix Spike Dup (P3D0302-MSD1)	**Source: 3C27011-01**			Prepared: 04/03/23 Analyzed: 04/04/23						
Benzene	0.119	0.00100	mg/L	0.100	ND	119	80-120	6.19	20	
Toluene	0.117	0.00100	"	0.100	ND	117	80-120	7.63	20	
Ethylbenzene	0.117	0.00100	"	0.100	ND	117	80-120	0.797	20	
Xylene (p/m)	0.242	0.00200	"	0.200	ND	121	80-120	3.70	20	QM-05
Xylene (o)	0.114	0.00100	"	0.100	ND	114	80-120	6.33	20	
Surrogate: 4-Bromofluorobenzene	*0.139*		*"*	*0.120*		*116*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.111*		*"*	*0.120*		*92.6*	*80-120*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Plains-14" Vac to Jal Legacy
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

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 P3D1414 - * DEFAULT PREP *** **										
Blank (P3D1414-BLK1)				Prepared: 04/14/23 Analyzed: 04/16/23						
Chloride	ND	1.00	mg/L							
LCS (P3D1414-BS1)				Prepared: 04/14/23 Analyzed: 04/16/23						
Chloride	18.9		mg/L	20.0		94.7	90-110			
LCS Dup (P3D1414-BSD1)				Prepared: 04/14/23 Analyzed: 04/16/23						
Chloride	19.2		mg/L	20.0		95.9	90-110	1.21	10	
Matrix Spike (P3D1414-MS1)		**Source: 3D03008-05**		Prepared: 04/14/23 Analyzed: 04/16/23						
Chloride	212		mg/L	100	103	109	80-120			
Matrix Spike Dup (P3D1414-MSD1)		**Source: 3D03008-05**		Prepared: 04/14/23 Analyzed: 04/16/23						
Chloride	209		mg/L	100	103	106	80-120	1.39	20	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Plains-14" Vac to Jal Legacy
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

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
BULK	Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 4/18/2023

Brent Barron, Laboratory Director/Technical Director

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Plains-14" Vac to Jal Legacy
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235

Project Manager: Joel Lowry
Company Name: Plains All American Pipeline, L.P.
Company Address: 1106 Griffith Drive
City/State/Zip: Midland, TX 79706
Telephone No: Fax No:
Sampler Signature: Miguel Ramirez e-mail: pm@etechenv.com

Project Name: 14" Vac to Jal Legacy
Project #: 17474
Project Loc: Lea County, NM
PO #: 2009-092
Report Format: X Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 3D03008

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3 250 ml Poly	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None 1L Poly	NaOH/ZnAc	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TPH by TX 1005 8015B 8015M	Chloride	BTEX by 8021B	4 Cations	Rush 24 48 72 (Please call)	Standard
1	MW 14	-	-	03/22/23	10:33		3	X		X						GW			X			X
2	MW 6	-	-	03/23/23	12:00		3	X		X						GW			X			X
3	MW 7	-	-	03/23/23	11:24		3	X		X						GW			X			X
4	MW 5	-	-	03/23/23	1:28		3	X		X						GW			X			X
5	MW 2	-	-	03/23/23	1:45		3	X		X						GW			X	X		X
6	MW 10	-	-	03/22/23	2:36		3	X		X						GW			X			X
7	MW 12	-	-	03/22/23	11:52		3	X		X						GW			X			X
8	MW 8	-	-	03/22/23	11:07		3	X		X						GW			X			X
9	MW 11	-	-	03/22/23	1:28		3	X		X						GW			X			X
10	MW 3	-	-	03/22/23	11:28		3	X		X						GW			X			X

Special Instructions:
Bill to Plains, Care of Camille Bryant

Relinquished by:	Date	Time	Received by:	Date	Time
Joel Lowry	4/3/23	14:40			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
			Tina Bledsoe	4/3/23	14:40

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 4.3 °C
Adjusted: °C Factor

NE 3

2 of 2

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235

Project Manager: Joel Lowry

Company Name: Plains All American Pipeline, L.P.

Company Address: 1106 Griffith Drive

City/State/Zip: Midland, TX 79706

Telephone No: Fax No:

Sampler Signature: Miguel Ramirez e-mail: pm@etechenv.com

Project Name: ~~Livingston Ridge~~ 14" Vac to Jal Legacy

Project #: ~~47470~~

Project Loc: ~~Lea County, NM~~

PO #: ~~2021 11086~~

Report Format: X Standard ☐ TRRP ☐ NPDES

(lab use only) ORDER #: 3D03008

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 250ml Poly	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None 1L Poly	NaOH/ZnAc	Matrix (DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other)	Analyze For: TPH by TX 1005 8015B 8015M	Chloride	BTEX by 8021B	Rush 24 48 72 (Please call)	Standard
11	MW 9	-	-	03/23/23	9:05		3	X		X						GW			X		X
12	MW 13	-	-	03/22/23	10:51		3	X		X						GW			X		X
13	MW 4	-	-	03/22/23	2:15		3	X		X						GW			X		X

Special Instructions:

	Date	Time		Date	Time
Relinquished by: Joel Lowry	4/3/23	14:40			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by: Tina Bledsoe	4/3/23	14:40

Laboratory Comments:

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

Temperature Upon Receipt:
Received: 4.3 °C
Adjusted: °C Factor NCF 13

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

PBELAB

Analytical Report

Prepared for:

Zach Conder

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

13000 West County Road 100

Odessa, TX 79765

Project: 14-INCH VAC TO JAL LEGACY

Project Number: 17474

Location: RURAL LEA COUNTY, NM

Lab Order Number: 3F29014

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 07/18/23

E Tech Environmental & Safety Solutions, Inc. [1]	Project: 14-INCH VAC TO JAL LEGACY
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Zach Conder

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW2	3F29014-01	Water	06/28/23 11:55	06-29-2023 13:09
MW3	3F29014-02	Water	06/28/23 09:30	06-29-2023 13:09
MW4	3F29014-03	Water	06/28/23 12:10	06-29-2023 13:09
MW5	3F29014-04	Water	06/28/23 11:30	06-29-2023 13:09
MW6	3F29014-05	Water	06/28/23 10:30	06-29-2023 13:09
MW7	3F29014-06	Water	06/28/23 11:20	06-29-2023 13:09
MW8	3F29014-07	Water	06/28/23 09:50	06-29-2023 13:09
MW10	3F29014-08	Water	06/28/23 11:45	06-29-2023 13:09
MW11	3F29014-09	Water	06/28/23 08:55	06-29-2023 13:09
MW13	3F29014-10	Water	06/28/23 11:05	06-29-2023 13:09
MW14	3F29014-11	Water	06/28/23 11:20	06-29-2023 13:09

8260 BTEX analysis was subcontracted to ALS Houston. Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here:
https://www.tceq.texas.gov/assets/public/compliance/compliance_support/qa/labs/als_svcs_houston.pdf

E Tech Environmental & Safety Solutions, Inc. [1]	Project: 14-INCH VAC TO JAL LEGACY
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Zach Conder

MW2

3F29014-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**16100**	100	mg/L	100	P3G0317	07/05/23 14:40	07/11/23 20:17	EPA 300.0	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.00500	mg/L	1	P3G1807	07/07/23 20:30	07/07/23 20:30	EPA 8260B	SUB-13
Ethylbenzene	ND	0.00500	mg/L	1	P3G1807	07/07/23 20:30	07/07/23 20:30	EPA 8260B	SUB-13
m,p-Xylene	ND	0.0100	mg/L	1	P3G1807	07/07/23 20:30	07/07/23 20:30	EPA 8260B	SUB-13
o-Xylene	ND	0.00500	mg/L	1	P3G1807	07/07/23 20:30	07/07/23 20:30	EPA 8260B	SUB-13
Toluene	ND	0.00500	mg/L	1	P3G1807	07/07/23 20:30	07/07/23 20:30	EPA 8260B	SUB-13
Xylenes, total (v/v)	ND	0.00500	mg/L	1	P3G1807	07/07/23 20:30	07/07/23 20:30	EPA 8260B	SUB-13

E Tech Environmental & Safety Solutions, Inc. [1]	Project: 14-INCH VAC TO JAL LEGACY
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Zach Conder

MW3

3F29014-02 (Water)

Permian Basin Environmental Lab, L.P.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	**0.00820**	0.00500	mg/L	1	P3G1807	07/07/23 20:52	07/07/23 20:52	EPA 8260B	SUB-13
Ethylbenzene	ND	0.00500	mg/L	1	P3G1807	07/07/23 20:52	07/07/23 20:52	EPA 8260B	SUB-13
m,p-Xylene	ND	0.0100	mg/L	1	P3G1807	07/07/23 20:52	07/07/23 20:52	EPA 8260B	SUB-13
o-Xylene	ND	0.00500	mg/L	1	P3G1807	07/07/23 20:52	07/07/23 20:52	EPA 8260B	SUB-13
Toluene	ND	0.00500	mg/L	1	P3G1807	07/07/23 20:52	07/07/23 20:52	EPA 8260B	SUB-13
Xylenes, total (v/v)	ND	0.00500	mg/L	1	P3G1807	07/07/23 20:52	07/07/23 20:52	EPA 8260B	SUB-13

E Tech Environmental & Safety Solutions, Inc. [1]	Project: 14-INCH VAC TO JAL LEGACY
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Zach Conder

MW4

3F29014-03 (Water)

Permian Basin Environmental Lab, L.P.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.00500	mg/L	1	P3G1807	07/07/23 21:15	07/07/23 21:15	EPA 8260B	SUB-13
Ethylbenzene	ND	0.00500	mg/L	1	P3G1807	07/07/23 21:15	07/07/23 21:15	EPA 8260B	SUB-13
m,p-Xylene	ND	0.0100	mg/L	1	P3G1807	07/07/23 21:15	07/07/23 21:15	EPA 8260B	SUB-13
o-Xylene	ND	0.00500	mg/L	1	P3G1807	07/07/23 21:15	07/07/23 21:15	EPA 8260B	SUB-13
Toluene	ND	0.00500	mg/L	1	P3G1807	07/07/23 21:15	07/07/23 21:15	EPA 8260B	SUB-13
Xylenes, total (v/v)	ND	0.00500	mg/L	1	P3G1807	07/07/23 21:15	07/07/23 21:15	EPA 8260B	SUB-13

E Tech Environmental & Safety Solutions, Inc. [1]	Project: 14-INCH VAC TO JAL LEGACY
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Zach Conder

MW5

3F29014-04 (Water)

Permian Basin Environmental Lab, L.P.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.00500	mg/L	1	P3G1807	07/07/21 21:37	07/07/21 21:37	EPA 8260B	SUB-13
Ethylbenzene	ND	0.00500	mg/L	1	P3G1807	07/07/21 21:37	07/07/21 21:37	EPA 8260B	SUB-13
m,p-Xylene	ND	0.0100	mg/L	1	P3G1807	07/07/21 21:37	07/07/21 21:37	EPA 8260B	SUB-13
o-Xylene	ND	0.00500	mg/L	1	P3G1807	07/07/21 21:37	07/07/21 21:37	EPA 8260B	SUB-13
Toluene	ND	0.00500	mg/L	1	P3G1807	07/07/21 21:37	07/07/21 21:37	EPA 8260B	SUB-13
Xylenes, total (v/v)	ND	0.00500	mg/L	1	P3G1807	07/07/21 21:37	07/07/21 21:37	EPA 8260B	SUB-13

E Tech Environmental & Safety Solutions, Inc. [1]	Project: 14-INCH VAC TO JAL LEGACY
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Zach Conder

MW6

3F29014-05 (Water)

Permian Basin Environmental Lab, L.P.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.00500	mg/L	1	P3G1807	07/11/23 01:21	07/11/23 01:21	EPA 8260B	SUB-13
Ethylbenzene	ND	0.00500	mg/L	1	P3G1807	07/11/23 01:21	07/11/23 01:21	EPA 8260B	SUB-13
m,p-Xylene	ND	0.0100	mg/L	1	P3G1807	07/11/23 01:21	07/11/23 01:21	EPA 8260B	SUB-13
o-Xylene	ND	0.00500	mg/L	1	P3G1807	07/11/23 01:21	07/11/23 01:21	EPA 8260B	SUB-13
Toluene	ND	0.00500	mg/L	1	P3G1807	07/11/23 01:21	07/11/23 01:21	EPA 8260B	SUB-13
Xylenes, total (v/v)	ND	0.00500	mg/L	1	P3G1807	07/11/23 01:21	07/11/23 01:21	EPA 8260B	SUB-13

E Tech Environmental & Safety Solutions, Inc. [1]	Project: 14-INCH VAC TO JAL LEGACY
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Zach Conder

MW7

3F29014-06 (Water)

Permian Basin Environmental Lab, L.P.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.00500	mg/L	1	P3G1807	07/11/23 02:43	07/11/23 02:43	EPA 8260B	SUB-13
Ethylbenzene	ND	0.00500	mg/L	1	P3G1807	07/11/23 02:43	07/11/23 02:43	EPA 8260B	SUB-13
m,p-Xylene	ND	0.0100	mg/L	1	P3G1807	07/11/23 02:43	07/11/23 02:43	EPA 8260B	SUB-13
o-Xylene	ND	0.00500	mg/L	1	P3G1807	07/11/23 02:43	07/11/23 02:43	EPA 8260B	SUB-13
Toluene	ND	0.00500	mg/L	1	P3G1807	07/11/23 02:43	07/11/23 02:43	EPA 8260B	SUB-13
Xylenes, total (v/v)	ND	0.00500	mg/L	1	P3G1807	07/11/23 02:43	07/11/23 02:43	EPA 8260B	SUB-13

E Tech Environmental & Safety Solutions, Inc. [1]	Project: 14-INCH VAC TO JAL LEGACY
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Zach Conder

MW8

3F29014-07 (Water)

Permian Basin Environmental Lab, L.P.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.00500	mg/L	1	P3G1807	07/11/23 03:04	07/11/23 03:04	EPA 8260B	SUB-13
Ethylbenzene	ND	0.00500	mg/L	1	P3G1807	07/11/23 03:04	07/11/23 03:04	EPA 8260B	SUB-13
m,p-Xylene	ND	0.0100	mg/L	1	P3G1807	07/11/23 03:04	07/11/23 03:04	EPA 8260B	SUB-13
o-Xylene	ND	0.00500	mg/L	1	P3G1807	07/11/23 03:04	07/11/23 03:04	EPA 8260B	SUB-13
Toluene	ND	0.00500	mg/L	1	P3G1807	07/11/23 03:04	07/11/23 03:04	EPA 8260B	SUB-13
Xylenes, total (v/v)	ND	0.00500	mg/L	1	P3G1807	07/11/23 03:04	07/11/23 03:04	EPA 8260B	SUB-13

E Tech Environmental & Safety Solutions, Inc. [1]	Project: 14-INCH VAC TO JAL LEGACY
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Zach Conder

MW10

3F29014-08 (Water)

Permian Basin Environmental Lab, L.P.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.00500	mg/L	1	P3G1807	07/11/23 03:24	07/11/23 03:24	EPA 8260B	SUB-13
Ethylbenzene	ND	0.00500	mg/L	1	P3G1807	07/11/23 03:24	07/11/23 03:24	EPA 8260B	SUB-13
m,p-Xylene	ND	0.0100	mg/L	1	P3G1807	07/11/23 03:24	07/11/23 03:24	EPA 8260B	SUB-13
o-Xylene	ND	0.00500	mg/L	1	P3G1807	07/11/23 03:24	07/11/23 03:24	EPA 8260B	SUB-13
Toluene	ND	0.00500	mg/L	1	P3G1807	07/11/23 03:24	07/11/23 03:24	EPA 8260B	SUB-13
Xylenes, total (v/v)	ND	0.00500	mg/L	1	P3G1807	07/11/23 03:24	07/11/23 03:24	EPA 8260B	SUB-13

E Tech Environmental & Safety Solutions, Inc. [1]	Project: 14-INCH VAC TO JAL LEGACY
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Zach Conder

MW11

3F29014-09 (Water)

Permian Basin Environmental Lab, L.P.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.00500	mg/L	1	P3G1807	07/11/23 03:45	07/11/23 03:45	EPA 8260B	SUB-13
Ethylbenzene	ND	0.00500	mg/L	1	P3G1807	07/11/23 03:45	07/11/23 03:45	EPA 8260B	SUB-13
m,p-Xylene	ND	0.0100	mg/L	1	P3G1807	07/11/23 03:45	07/11/23 03:45	EPA 8260B	SUB-13
o-Xylene	ND	0.00500	mg/L	1	P3G1807	07/11/23 03:45	07/11/23 03:45	EPA 8260B	SUB-13
Toluene	ND	0.00500	mg/L	1	P3G1807	07/11/23 03:45	07/11/23 03:45	EPA 8260B	SUB-13
Xylenes, total (v/v)	ND	0.00500	mg/L	1	P3G1807	07/11/23 03:45	07/11/23 03:45	EPA 8260B	SUB-13

E Tech Environmental & Safety Solutions, Inc. [1]	Project: 14-INCH VAC TO JAL LEGACY
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Zach Conder

MW13

3F29014-10 (Water)

Permian Basin Environmental Lab, L.P.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.00500	mg/L	1	P3G1807	07/11/23 04:05	07/11/23 04:05	EPA 8260B	SUB-13
Ethylbenzene	ND	0.00500	mg/L	1	P3G1807	07/11/23 04:05	07/11/23 04:05	EPA 8260B	SUB-13
m,p-Xylene	ND	0.0100	mg/L	1	P3G1807	07/11/23 04:05	07/11/23 04:05	EPA 8260B	SUB-13
o-Xylene	ND	0.00500	mg/L	1	P3G1807	07/11/23 04:05	07/11/23 04:05	EPA 8260B	SUB-13
Toluene	ND	0.00500	mg/L	1	P3G1807	07/11/23 04:05	07/11/23 04:05	EPA 8260B	SUB-13
Xylenes, total (v/v)	ND	0.00500	mg/L	1	P3G1807	07/11/23 04:05	07/11/23 04:05	EPA 8260B	SUB-13

E Tech Environmental & Safety Solutions, Inc. [1]	Project: 14-INCH VAC TO JAL LEGACY
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Zach Conder

MW14

3F29014-11 (Water)

Permian Basin Environmental Lab, L.P.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.00500	mg/L	1	P3G1807	07/11/23 04:26	07/11/23 04:26	EPA 8260B	SUB-13
Ethylbenzene	ND	0.00500	mg/L	1	P3G1807	07/11/23 04:26	07/11/23 04:26	EPA 8260B	SUB-13
m,p-Xylene	ND	0.0100	mg/L	1	P3G1807	07/11/23 04:26	07/11/23 04:26	EPA 8260B	SUB-13
o-Xylene	ND	0.00500	mg/L	1	P3G1807	07/11/23 04:26	07/11/23 04:26	EPA 8260B	SUB-13
Toluene	ND	0.00500	mg/L	1	P3G1807	07/11/23 04:26	07/11/23 04:26	EPA 8260B	SUB-13
Xylenes, total (v/v)	ND	0.00500	mg/L	1	P3G1807	07/11/23 04:26	07/11/23 04:26	EPA 8260B	SUB-13

E Tech Environmental & Safety Solutions, Inc. [1]	Project: 14-INCH VAC TO JAL LEGACY
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Zach Conder

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 P3G0317 - * DEFAULT PREP *** **										
Blank (P3G0317-BLK1)				Prepared: 07/05/23 Analyzed: 07/11/23						
Chloride	ND	1.00	mg/L							
LCS (P3G0317-BS1)				Prepared: 07/05/23 Analyzed: 07/11/23						
Chloride	21.7		mg/L	20.0		108	90-110			
LCS Dup (P3G0317-BSD1)				Prepared: 07/05/23 Analyzed: 07/11/23						
Chloride	21.5		mg/L	20.0		107	90-110	0.978	10	
Calibration Check (P3G0317-CCV1)				Prepared: 07/05/23 Analyzed: 07/11/23						
Chloride	21.1		mg/L	20.0		106	90-110			
Calibration Check (P3G0317-CCV2)				Prepared: 07/05/23 Analyzed: 07/11/23						
Chloride	21.7		mg/L	20.0		108	90-110			
Matrix Spike (P3G0317-MS1)		**Source: 3F23016-01**		Prepared: 07/05/23 Analyzed: 07/11/23						
Chloride	116		mg/L	100	11.4	104	80-120			
Matrix Spike Dup (P3G0317-MSD1)		**Source: 3F23016-01**		Prepared: 07/05/23 Analyzed: 07/11/23						
Chloride	114		mg/L	100	11.4	103	80-120	1.50	20	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: 14-INCH VAC TO JAL LEGACY
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Zach Conder

Notes and Definitions

SUB-13	Subcontract of analyte/analysis to ALS Houston.
ROI	Received on Ice
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: 7/18/2023

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235

Project Manager: Zach Condor
Company Name: Etech Environmental
Company Address: 2617 W. Marland
City/State/Zip: Hobbs, NM 88240
Telephone No: 575-396-2378
Fax No: 575-396-1429
Sampler Signature:
e-mail: PM@etechenv.com

Project Name: 14-inch Vac to Jal Legacy
Project #: 17474
Project Loc: Rural Lea Co., NM
PO #: 2009-092
Report Format: X Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 3F29014

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3 250 ml Poly	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None 1L Poly	NaOH/ZnAc	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TPH by TX 1005 8015B 8015M	Chloride	BTEX by 8021B	Rush 24 48 72 (Please call)	Standard
1	MW2	-	-	6/28/23	11:55	G	4	X		X						GW	X	X	X		X
2	MW3	-	-	6/27/23	9:30	G	3	X		X						GW			X		X
3	MW4	-	-	6/23/23	12:10	G	3	X		X						GW			X		X
4	MW5	-	-	6/28/23	11:30	G	3	X		X						GW			X		X
5	MW6	-	-	6/23/23	10:30	G	3	X		X						GW			X		X
6	MW7	-	-	6/23/23	11:20	G	3	X		X						GW			X		X
7	MW8	-	-	6/22/23	9:50	G	3	X		X						GW			X		X
8	MW10	-	-	6/28/23	11:45	G	3	X		X						GW			X		X
9	MW11	-	-	6/27/23	8:55	G	3	X		X						GW			X		X
10	MW13	-	-	6/28/23	11:05	G	3	X		X						GW			X		X

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
				6/29/23	13:09

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 6.9 °C
Adjusted: 6.9 °C Factor
CF0

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235

Project Manager: Zach Conder
Company Name: ETech Environmental
Company Address: 2617 W. Marland
City/State/Zip: Hobbs, NM 88240
Telephone No: 575-396-2378
Fax No: 575-396-1429
Sampler Signature:
e-mail: PM@etechenv.com

Project Name: 14-inch Vac to Jal Legacy
Project #: 17474
Project Loc: Rural Lea Co., NM
PO #: 2009.092

Report Format: X Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #:

2/2

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3 250 ml Poly	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None 1L Poly	NaOH/ZnAc	Matrix: DW=Drinking Water SL=Sludge / GW=Groundwater S=Soil/Solid / NP=Non-Potable Specify Other	Analyze For: TPH by TX 1005 8015B 8015M	Chloride	BTEX by 8021B	Rush 24 48 72 (Please call)	Standard
11	MW14			6/28/23	11:20	G	3	X		X						GW			X		X

Special Instructions:

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

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

Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
			Laura Mc	06/29/23	

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB_SUB_COC_V2

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

Company Name: PBEL — **Project #:**

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

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

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

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

ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: ICE	HNO_3 250 poly 1	HCl 3 40mL VOA	H_2SO_4 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	$Na_2S_2O_3$	NONE	NONE 3 AMBER VOAA VIALS	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: BTEX 8021B TOTAL CALC	24 HOUR	STANDARD
	3F29014-01			6/28/2023	11:55		3	X		X						W	X		X
	3F29014-02			6/28/2023	9:30		3	X		X						W	X		X
	3F29014-03			6/28/2023	12:10		3	X		X						W	X		X
	3F29014-04			6/28/2023	11:30		3	X		X						W	X		X
	3F29014-05			6/28/2023	10:30		3	X		X						W	X		X
	3F29014-06			6/28/2023	11:20		3	X		X						W	X		X
	3F29014-07			6/28/2023	9:50		3	X		X						W	X		X

SPECIAL INSTRUCTIONS: **REPORT TO MDL RUN REGARDLESS OF HOLD TIME**

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

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

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

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB_SUB_COC_V2

Project Manager: Brent Barron
Project Name: SUBCONTRACT
Company Name: PBEL
Project #:
Company Address: 1400 Rankin HWY
Project Loc:
City/State/Zip: Midland Texas 79701
PO #:
Telephone No: 432-661-4184
Fax No:
Report Format: X Standard ☐ TRRP ☐ NPDES
Sampler Signature: N/A
e-mail: brentbarron@pbelab.com

ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: ICE	HNO_3 250 poly 1	HCl 3 40mL VOA	H_2SO_4 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	$Na_2S_2O_3$	NONE	NONE 3 AMBER VOAA VIALS	Matrix: DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Analyze For: BTEX 8021B TOTAL CALC	24 HOUR	STANDARD
	3F29014-08			6/28/2023	11:45		3	X		X						W			X		X
	3F29014-09			6/28/2023	8:55		3	X		X						W			X		X
	3F29014-10			6/28/2023	11:05		3	X		X						W			X		X
	3F29014-11			6/28/2023	11:20		3	X		X						W			X		X

SPECIAL INSTRUCTIONS: REPORT TO MDL RUN REGARDLESS OF HOLD TIME

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

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

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

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

July 11, 2023

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

Work Order: **HS23070258**

Laboratory Results for: **3F29014**

Dear Brent Barron,

ALS Environmental received 11 sample(s) on Jul 07, 2023 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Anna Kinchen
Project Manager

ALS Houston, US Date: 11-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3F29014
Work Order: HS23070258

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23070258-01	3F29014-01	Water		28-Jun-2023 11:55	07-Jul-2023 09:40	☐
HS23070258-02	3F29014-02	Water		28-Jun-2023 09:30	07-Jul-2023 09:40	☐
HS23070258-03	3F29014-03	Water		28-Jun-2023 12:10	07-Jul-2023 09:40	☐
HS23070258-04	3F29014-04	Water		28-Jun-2023 11:30	07-Jul-2023 09:40	☐
HS23070258-05	3F29014-05	Water		28-Jun-2023 10:30	07-Jul-2023 09:40	☐
HS23070258-06	3F29014-06	Water		28-Jun-2023 11:20	07-Jul-2023 09:40	☐
HS23070258-07	3F29014-07	Water		28-Jun-2023 09:50	07-Jul-2023 09:40	☐
HS23070258-08	3F29014-08	Water		28-Jun-2023 11:45	07-Jul-2023 09:40	☐
HS23070258-09	3F29014-09	Water		28-Jun-2023 08:55	07-Jul-2023 09:40	☐
HS23070258-10	3F29014-10	Water		28-Jun-2023 11:05	07-Jul-2023 09:40	☐
HS23070258-11	3F29014-11	Water		28-Jun-2023 11:20	07-Jul-2023 09:40	☐

ALS Houston, US Date: 11-Jul-23

Client: Permian Basin Environmental Lab, LP **CASE NARRATIVE**
Project: 3F29014
Work Order: HS23070258

GCMS Volatiles by Method SW8260

Batch ID: R440984

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

Batch ID: R440835

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

ALS Houston, US Date: 11-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3F29014
Sample ID: 3F29014-01
Collection Date: 28-Jun-2023 11:55

ANALYTICAL REPORT
WorkOrder:HS23070258
Lab ID:HS23070258-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES - SW8260C	**Method:SW8260**					Analyst: PC
Benzene	ND		0.0050	mg/L	1	07-Jul-2023 20:30
Ethylbenzene	ND		0.0050	mg/L	1	07-Jul-2023 20:30
m,p-Xylene	ND		0.010	mg/L	1	07-Jul-2023 20:30
o-Xylene	ND		0.0050	mg/L	1	07-Jul-2023 20:30
Toluene	ND		0.0050	mg/L	1	07-Jul-2023 20:30
Xylenes, Total	ND		0.0050	mg/L	1	07-Jul-2023 20:30
Surr: 1,2-Dichloroethane-d4	*103*		*70-126*	*%REC*	*1*	*07-Jul-2023 20:30*
Surr: 4-Bromofluorobenzene	*93.9*		*82-124*	*%REC*	*1*	*07-Jul-2023 20:30*
Surr: Dibromofluoromethane	*97.7*		*77-123*	*%REC*	*1*	*07-Jul-2023 20:30*
Surr: Toluene-d8	*110*		*82-127*	*%REC*	*1*	*07-Jul-2023 20:30*

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

ALS Houston, US Date: 11-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3F29014
Sample ID: 3F29014-02
Collection Date: 28-Jun-2023 09:30

ANALYTICAL REPORT
WorkOrder:HS23070258
Lab ID:HS23070258-02
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES - SW8260C	**Method:SW8260**					Analyst: PC
Benzene	**0.0082**		**0.0050**	**mg/L**	1	07-Jul-2023 20:52
Ethylbenzene	ND		0.0050	mg/L	1	07-Jul-2023 20:52
m,p-Xylene	ND		0.010	mg/L	1	07-Jul-2023 20:52
o-Xylene	ND		0.0050	mg/L	1	07-Jul-2023 20:52
Toluene	ND		0.0050	mg/L	1	07-Jul-2023 20:52
Xylenes, Total	ND		0.0050	mg/L	1	07-Jul-2023 20:52
Surr: 1,2-Dichloroethane-d4	*104*		*70-126*	*%REC*	*1*	*07-Jul-2023 20:52*
Surr: 4-Bromofluorobenzene	*93.6*		*82-124*	*%REC*	*1*	*07-Jul-2023 20:52*
Surr: Dibromofluoromethane	*98.4*		*77-123*	*%REC*	*1*	*07-Jul-2023 20:52*
Surr: Toluene-d8	*107*		*82-127*	*%REC*	*1*	*07-Jul-2023 20:52*

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

ALS Houston, US Date: 11-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3F29014
Sample ID: 3F29014-03
Collection Date: 28-Jun-2023 12:10

ANALYTICAL REPORT
WorkOrder:HS23070258
Lab ID:HS23070258-03
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES - SW8260C	**Method:SW8260**					Analyst: PC
Benzene	ND		0.0050	mg/L	1	07-Jul-2023 21:15
Ethylbenzene	ND		0.0050	mg/L	1	07-Jul-2023 21:15
m,p-Xylene	ND		0.010	mg/L	1	07-Jul-2023 21:15
o-Xylene	ND		0.0050	mg/L	1	07-Jul-2023 21:15
Toluene	ND		0.0050	mg/L	1	07-Jul-2023 21:15
Xylenes, Total	ND		0.0050	mg/L	1	07-Jul-2023 21:15
Surr: 1,2-Dichloroethane-d4	*105*		*70-126*	*%REC*	*1*	*07-Jul-2023 21:15*
Surr: 4-Bromofluorobenzene	*93.5*		*82-124*	*%REC*	*1*	*07-Jul-2023 21:15*
Surr: Dibromofluoromethane	*99.8*		*77-123*	*%REC*	*1*	*07-Jul-2023 21:15*
Surr: Toluene-d8	*108*		*82-127*	*%REC*	*1*	*07-Jul-2023 21:15*

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

ALS Houston, US Date: 11-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3F29014
Sample ID: 3F29014-04
Collection Date: 28-Jun-2023 11:30

ANALYTICAL REPORT
WorkOrder:HS23070258
Lab ID:HS23070258-04
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES - SW8260C	**Method:SW8260**					Analyst: PC
Benzene	ND		0.0050	mg/L	1	07-Jul-2023 21:37
Ethylbenzene	ND		0.0050	mg/L	1	07-Jul-2023 21:37
m,p-Xylene	ND		0.010	mg/L	1	07-Jul-2023 21:37
o-Xylene	ND		0.0050	mg/L	1	07-Jul-2023 21:37
Toluene	ND		0.0050	mg/L	1	07-Jul-2023 21:37
Xylenes, Total	ND		0.0050	mg/L	1	07-Jul-2023 21:37
Surr: 1,2-Dichloroethane-d4	*108*		*70-126*	*%REC*	*1*	*07-Jul-2023 21:37*
Surr: 4-Bromofluorobenzene	*93.6*		*82-124*	*%REC*	*1*	*07-Jul-2023 21:37*
Surr: Dibromofluoromethane	*99.4*		*77-123*	*%REC*	*1*	*07-Jul-2023 21:37*
Surr: Toluene-d8	*107*		*82-127*	*%REC*	*1*	*07-Jul-2023 21:37*

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

ALS Houston, US Date: 11-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3F29014
Sample ID: 3F29014-05
Collection Date: 28-Jun-2023 10:30

ANALYTICAL REPORT
WorkOrder:HS23070258
Lab ID:HS23070258-05
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES - SW8260C	**Method:SW8260**					Analyst: PC
Benzene	ND		0.0050	mg/L	1	11-Jul-2023 01:21
Ethylbenzene	ND		0.0050	mg/L	1	11-Jul-2023 01:21
m,p-Xylene	ND		0.010	mg/L	1	11-Jul-2023 01:21
o-Xylene	ND		0.0050	mg/L	1	11-Jul-2023 01:21
Toluene	ND		0.0050	mg/L	1	11-Jul-2023 01:21
Xylenes, Total	ND		0.0050	mg/L	1	11-Jul-2023 01:21
Surr: 1,2-Dichloroethane-d4	*84.5*		*70-126*	*%REC*	*1*	*11-Jul-2023 01:21*
Surr: 4-Bromofluorobenzene	*92.3*		*82-124*	*%REC*	*1*	*11-Jul-2023 01:21*
Surr: Dibromofluoromethane	*93.8*		*77-123*	*%REC*	*1*	*11-Jul-2023 01:21*
Surr: Toluene-d8	*103*		*82-127*	*%REC*	*1*	*11-Jul-2023 01:21*

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

ALS Houston, US Date: 11-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3F29014
Sample ID: 3F29014-06
Collection Date: 28-Jun-2023 11:20

ANALYTICAL REPORT
WorkOrder:HS23070258
Lab ID:HS23070258-06
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES - SW8260C	**Method:SW8260**					Analyst: PC
Benzene	ND		0.0050	mg/L	1	11-Jul-2023 02:43
Ethylbenzene	ND		0.0050	mg/L	1	11-Jul-2023 02:43
m,p-Xylene	ND		0.010	mg/L	1	11-Jul-2023 02:43
o-Xylene	ND		0.0050	mg/L	1	11-Jul-2023 02:43
Toluene	ND		0.0050	mg/L	1	11-Jul-2023 02:43
Xylenes, Total	ND		0.0050	mg/L	1	11-Jul-2023 02:43
Surr: 1,2-Dichloroethane-d4	*83.5*		*70-126*	*%REC*	*1*	*11-Jul-2023 02:43*
Surr: 4-Bromofluorobenzene	*91.8*		*82-124*	*%REC*	*1*	*11-Jul-2023 02:43*
Surr: Dibromofluoromethane	*94.4*		*77-123*	*%REC*	*1*	*11-Jul-2023 02:43*
Surr: Toluene-d8	*99.7*		*82-127*	*%REC*	*1*	*11-Jul-2023 02:43*

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

ALS Houston, US Date: 11-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3F29014
Sample ID: 3F29014-07
Collection Date: 28-Jun-2023 09:50

ANALYTICAL REPORT
WorkOrder:HS23070258
Lab ID:HS23070258-07
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES - SW8260C	**Method:SW8260**					Analyst: PC
Benzene	ND		0.0050	mg/L	1	11-Jul-2023 03:04
Ethylbenzene	ND		0.0050	mg/L	1	11-Jul-2023 03:04
m,p-Xylene	ND		0.010	mg/L	1	11-Jul-2023 03:04
o-Xylene	ND		0.0050	mg/L	1	11-Jul-2023 03:04
Toluene	ND		0.0050	mg/L	1	11-Jul-2023 03:04
Xylenes, Total	ND		0.0050	mg/L	1	11-Jul-2023 03:04
Surr: 1,2-Dichloroethane-d4	*84.2*		*70-126*	*%REC*	*1*	*11-Jul-2023 03:04*
Surr: 4-Bromofluorobenzene	*90.5*		*82-124*	*%REC*	*1*	*11-Jul-2023 03:04*
Surr: Dibromofluoromethane	*93.8*		*77-123*	*%REC*	*1*	*11-Jul-2023 03:04*
Surr: Toluene-d8	*99.8*		*82-127*	*%REC*	*1*	*11-Jul-2023 03:04*

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

ALS Houston, US Date: 11-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3F29014
Sample ID: 3F29014-08
Collection Date: 28-Jun-2023 11:45

ANALYTICAL REPORT
WorkOrder:HS23070258
Lab ID:HS23070258-08
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES - SW8260C	**Method:SW8260**					Analyst: PC
Benzene	ND		0.0050	mg/L	1	11-Jul-2023 03:24
Ethylbenzene	ND		0.0050	mg/L	1	11-Jul-2023 03:24
m,p-Xylene	ND		0.010	mg/L	1	11-Jul-2023 03:24
o-Xylene	ND		0.0050	mg/L	1	11-Jul-2023 03:24
Toluene	ND		0.0050	mg/L	1	11-Jul-2023 03:24
Xylenes, Total	ND		0.0050	mg/L	1	11-Jul-2023 03:24
Surr: 1,2-Dichloroethane-d4	*83.1*		*70-126*	*%REC*	*1*	*11-Jul-2023 03:24*
Surr: 4-Bromofluorobenzene	*90.5*		*82-124*	*%REC*	*1*	*11-Jul-2023 03:24*
Surr: Dibromofluoromethane	*93.0*		*77-123*	*%REC*	*1*	*11-Jul-2023 03:24*
Surr: Toluene-d8	*102*		*82-127*	*%REC*	*1*	*11-Jul-2023 03:24*

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

ALS Houston, US Date: 11-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3F29014
Sample ID: 3F29014-09
Collection Date: 28-Jun-2023 08:55

ANALYTICAL REPORT
WorkOrder:HS23070258
Lab ID:HS23070258-09
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES - SW8260C	**Method:SW8260**					Analyst: PC
Benzene	ND		0.0050	mg/L	1	11-Jul-2023 03:45
Ethylbenzene	ND		0.0050	mg/L	1	11-Jul-2023 03:45
m,p-Xylene	ND		0.010	mg/L	1	11-Jul-2023 03:45
o-Xylene	ND		0.0050	mg/L	1	11-Jul-2023 03:45
Toluene	ND		0.0050	mg/L	1	11-Jul-2023 03:45
Xylenes, Total	ND		0.0050	mg/L	1	11-Jul-2023 03:45
Surr: 1,2-Dichloroethane-d4	*85.6*		*70-126*	*%REC*	*1*	*11-Jul-2023 03:45*
Surr: 4-Bromofluorobenzene	*90.5*		*82-124*	*%REC*	*1*	*11-Jul-2023 03:45*
Surr: Dibromofluoromethane	*95.8*		*77-123*	*%REC*	*1*	*11-Jul-2023 03:45*
Surr: Toluene-d8	*101*		*82-127*	*%REC*	*1*	*11-Jul-2023 03:45*

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

ALS Houston, US Date: 11-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3F29014
Sample ID: 3F29014-10
Collection Date: 28-Jun-2023 11:05

ANALYTICAL REPORT
WorkOrder:HS23070258
Lab ID:HS23070258-10
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES - SW8260C	**Method:SW8260**					Analyst: PC
Benzene	ND		0.0050	mg/L	1	11-Jul-2023 04:05
Ethylbenzene	ND		0.0050	mg/L	1	11-Jul-2023 04:05
m,p-Xylene	ND		0.010	mg/L	1	11-Jul-2023 04:05
o-Xylene	ND		0.0050	mg/L	1	11-Jul-2023 04:05
Toluene	ND		0.0050	mg/L	1	11-Jul-2023 04:05
Xylenes, Total	ND		0.0050	mg/L	1	11-Jul-2023 04:05
Surr: 1,2-Dichloroethane-d4	*82.8*		*70-126*	*%REC*	*1*	*11-Jul-2023 04:05*
Surr: 4-Bromofluorobenzene	*91.6*		*82-124*	*%REC*	*1*	*11-Jul-2023 04:05*
Surr: Dibromofluoromethane	*92.5*		*77-123*	*%REC*	*1*	*11-Jul-2023 04:05*
Surr: Toluene-d8	*99.9*		*82-127*	*%REC*	*1*	*11-Jul-2023 04:05*

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

ALS Houston, US Date: 11-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3F29014
Sample ID: 3F29014-11
Collection Date: 28-Jun-2023 11:20

ANALYTICAL REPORT
WorkOrder:HS23070258
Lab ID:HS23070258-11
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES - SW8260C	**Method:SW8260**					Analyst: PC
Benzene	ND		0.0050	mg/L	1	11-Jul-2023 04:26
Ethylbenzene	ND		0.0050	mg/L	1	11-Jul-2023 04:26
m,p-Xylene	ND		0.010	mg/L	1	11-Jul-2023 04:26
o-Xylene	ND		0.0050	mg/L	1	11-Jul-2023 04:26
Toluene	ND		0.0050	mg/L	1	11-Jul-2023 04:26
Xylenes, Total	ND		0.0050	mg/L	1	11-Jul-2023 04:26
Surr: 1,2-Dichloroethane-d4	*84.9*		*70-126*	*%REC*	*1*	*11-Jul-2023 04:26*
Surr: 4-Bromofluorobenzene	*90.1*		*82-124*	*%REC*	*1*	*11-Jul-2023 04:26*
Surr: Dibromofluoromethane	*95.6*		*77-123*	*%REC*	*1*	*11-Jul-2023 04:26*
Surr: Toluene-d8	*102*		*82-127*	*%REC*	*1*	*11-Jul-2023 04:26*

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

ALS Houston, US Date: 11-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3F29014
WorkOrder: HS23070258

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R440835 (0)	**Test Name :** VOLATILES - SW8260C				**Matrix:** Water	
HS23070258-01	3F29014-01	28 Jun 2023 11:55			07 Jul 2023 20:30	1
HS23070258-02	3F29014-02	28 Jun 2023 09:30			07 Jul 2023 20:52	1
HS23070258-03	3F29014-03	28 Jun 2023 12:10			07 Jul 2023 21:15	1
HS23070258-04	3F29014-04	28 Jun 2023 11:30			07 Jul 2023 21:37	1
Batch ID: R440984 (0)	**Test Name :** VOLATILES - SW8260C				**Matrix:** Water	
HS23070258-05	3F29014-05	28 Jun 2023 10:30			11 Jul 2023 01:21	1
HS23070258-06	3F29014-06	28 Jun 2023 11:20			11 Jul 2023 02:43	1
HS23070258-07	3F29014-07	28 Jun 2023 09:50			11 Jul 2023 03:04	1
HS23070258-08	3F29014-08	28 Jun 2023 11:45			11 Jul 2023 03:24	1
HS23070258-09	3F29014-09	28 Jun 2023 08:55			11 Jul 2023 03:45	1
HS23070258-10	3F29014-10	28 Jun 2023 11:05			11 Jul 2023 04:05	1
HS23070258-11	3F29014-11	28 Jun 2023 11:20			11 Jul 2023 04:26	1

ALS Houston, US Date: 11-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3F29014
WorkOrder: HS23070258

QC BATCH REPORT

Batch ID: R440835 (0) **Instrument: VOA9** **Method: VOLATILES - SW8260C**

MBLK Sample ID: **VBLKW-230707** Units: **ug/L** Analysis Date: **07-Jul-2023 13:02**
Client ID: Run ID: **VOA9_440835** SeqNo: **7409148** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	5.0								
Ethylbenzene	ND	5.0								
m,p-Xylene	ND	10								
o-Xylene	ND	5.0								
Toluene	ND	5.0								
Xylenes, Total	ND	5.0								
Surr: 1,2-Dichloroethane-d4	*51.91*	*0*	*50*	*0*	*104*	*70 - 130*				
Surr: 4-Bromofluorobenzene	*48.02*	*0*	*50*	*0*	*96.0*	*82 - 115*				
Surr: Dibromofluoromethane	*49.72*	*0*	*50*	*0*	*99.4*	*73 - 126*				
Surr: Toluene-d8	*53.07*	*0*	*50*	*0*	*106*	*81 - 120*				

LCS Sample ID: **VLCSW-230707** Units: **ug/L** Analysis Date: **07-Jul-2023 12:17**
Client ID: Run ID: **VOA9_440835** SeqNo: **7409147** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	21.26	5.0	20	0	106	74 - 120				
Ethylbenzene	21.3	5.0	20	0	107	77 - 117				
m,p-Xylene	44.94	10	40	0	112	77 - 122				
o-Xylene	22.42	5.0	20	0	112	75 - 119				
Toluene	21.76	5.0	20	0	109	77 - 118				
Xylenes, Total	67.35	5.0	60	0	112	75 - 122				
Surr: 1,2-Dichloroethane-d4	*56.24*	*0*	*50*	*0*	*112*	*70 - 130*				
Surr: 4-Bromofluorobenzene	*52.1*	*0*	*50*	*0*	*104*	*82 - 115*				
Surr: Dibromofluoromethane	*54.38*	*0*	*50*	*0*	*109*	*73 - 126*				
Surr: Toluene-d8	*51.35*	*0*	*50*	*0*	*103*	*81 - 120*				

ALS Houston, US Date: 11-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3F29014
WorkOrder: HS23070258

QC BATCH REPORT

Batch ID: R440835 (0) **Instrument: VOA9** **Method: VOLATILES - SW8260C**

MS Sample ID: **HS23070249-01MS** Units: **ug/L** Analysis Date: **07-Jul-2023 16:01**
Client ID: Run ID: **VOA9_440835** SeqNo: **7409156** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	20.9	5.0	20	0	104	70 - 127				
Ethylbenzene	22.29	5.0	20	0	111	70 - 124				
m,p-Xylene	45.92	10	40	0	115	70 - 130				
o-Xylene	22.35	5.0	20	0	112	70 - 124				
Toluene	22.33	5.0	20	0	112	70 - 123				
Xylenes, Total	68.27	5.0	60	0	114	70 - 130				
Surr: 1,2-Dichloroethane-d4	*50.11*	*0*	*50*	*0*	*100*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*49.54*	*0*	*50*	*0*	*99.1*	*82 - 124*				
Surr: Dibromofluoromethane	*49.61*	*0*	*50*	*0*	*99.2*	*77 - 123*				
Surr: Toluene-d8	*56.11*	*0*	*50*	*0*	*112*	*82 - 127*				

MSD Sample ID: **HS23070249-01MSD** Units: **ug/L** Analysis Date: **07-Jul-2023 16:24**
Client ID: Run ID: **VOA9_440835** SeqNo: **7409157** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	20.42	5.0	20	0	102	70 - 127	20.9	2.31	20	
Ethylbenzene	21.97	5.0	20	0	110	70 - 124	22.29	1.44	20	
m,p-Xylene	45.71	10	40	0	114	70 - 130	45.92	0.444	20	
o-Xylene	22.11	5.0	20	0	111	70 - 124	22.35	1.09	20	
Toluene	21.44	5.0	20	0	107	70 - 123	22.33	4.03	20	
Xylenes, Total	67.82	5.0	60	0	113	70 - 130	68.27	0.653	20	
Surr: 1,2-Dichloroethane-d4	*50.18*	*0*	*50*	*0*	*100*	*70 - 126*	*50.11*	*0.147*	*20*	
Surr: 4-Bromofluorobenzene	*50.6*	*0*	*50*	*0*	*101*	*82 - 124*	*49.54*	*2.12*	*20*	
Surr: Dibromofluoromethane	*49.78*	*0*	*50*	*0*	*99.6*	*77 - 123*	*49.61*	*0.328*	*20*	
Surr: Toluene-d8	*54.65*	*0*	*50*	*0*	*109*	*82 - 127*	*56.11*	*2.64*	*20*	

The following samples were analyzed in this batch: HS23070258-01 HS23070258-02 HS23070258-03 HS23070258-04

ALS Houston, US Date: 11-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3F29014
WorkOrder: HS23070258

QC BATCH REPORT

Batch ID: R440984 (0) **Instrument: VOA6** **Method: VOLATILES - SW8260C**

MBLK Sample ID: **VBLKW-230710** Units: **ug/L** Analysis Date: **11-Jul-2023 00:20**
Client ID: Run ID: **VOA6_440984** SeqNo: **7418509** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	5.0								
Ethylbenzene	ND	5.0								
m,p-Xylene	ND	10								
o-Xylene	ND	5.0								
Toluene	ND	5.0								
Xylenes, Total	ND	5.0								
Surr: 1,2-Dichloroethane-d4	*41.84*	*0*	*50*	*0*	*83.7*	*70 - 130*				
Surr: 4-Bromofluorobenzene	*45.21*	*0*	*50*	*0*	*90.4*	*82 - 115*				
Surr: Dibromofluoromethane	*47.34*	*0*	*50*	*0*	*94.7*	*73 - 126*				
Surr: Toluene-d8	*51.22*	*0*	*50*	*0*	*102*	*81 - 120*				

LCS Sample ID: **VLCSW-230710** Units: **ug/L** Analysis Date: **10-Jul-2023 23:39**
Client ID: Run ID: **VOA6_440984** SeqNo: **7418508** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	19.49	5.0	20	0	97.4	74 - 120				
Ethylbenzene	19.78	5.0	20	0	98.9	77 - 117				
m,p-Xylene	40.94	10	40	0	102	77 - 122				
o-Xylene	19.68	5.0	20	0	98.4	75 - 119				
Toluene	20.07	5.0	20	0	100	77 - 118				
Xylenes, Total	60.62	5.0	60	0	101	75 - 122				
Surr: 1,2-Dichloroethane-d4	*46.12*	*0*	*50*	*0*	*92.2*	*70 - 130*				
Surr: 4-Bromofluorobenzene	*48.02*	*0*	*50*	*0*	*96.0*	*82 - 115*				
Surr: Dibromofluoromethane	*52.51*	*0*	*50*	*0*	*105*	*73 - 126*				
Surr: Toluene-d8	*48.94*	*0*	*50*	*0*	*97.9*	*81 - 120*				

ALS Houston, US Date: 11-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3F29014
WorkOrder: HS23070258

QC BATCH REPORT

Batch ID: R440984 (0) **Instrument:** VOA6 **Method:** VOLATILES - SW8260C

MS Sample ID: **HS23070258-05MS** Units: **ug/L** Analysis Date: **11-Jul-2023 01:42**
Client ID: **3F29014-05** Run ID: **VOA6_440984** SeqNo: **7418537** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	18.6	5.0	20	0	93.0	70 - 127				
Ethylbenzene	16.76	5.0	20	0	83.8	70 - 124				
m,p-Xylene	33.67	10	40	0	84.2	70 - 130				
o-Xylene	17.62	5.0	20	0	88.1	70 - 124				
Toluene	18.87	5.0	20	0	94.4	70 - 123				
Xylenes, Total	51.29	5.0	60	0	85.5	70 - 130				
Surr: 1,2-Dichloroethane-d4	*41.89*	*0*	*50*	*0*	*83.8*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*46.85*	*0*	*50*	*0*	*93.7*	*82 - 124*				
Surr: Dibromofluoromethane	*47.31*	*0*	*50*	*0*	*94.6*	*77 - 123*				
Surr: Toluene-d8	*50.76*	*0*	*50*	*0*	*102*	*82 - 127*				

MSD Sample ID: **HS23070258-05MSD** Units: **ug/L** Analysis Date: **11-Jul-2023 02:02**
Client ID: **3F29014-05** Run ID: **VOA6_440984** SeqNo: **7418538** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	17.4	5.0	20	0	87.0	70 - 127	18.6	6.68	20	
Ethylbenzene	15.75	5.0	20	0	78.8	70 - 124	16.76	6.22	20	
m,p-Xylene	32.26	10	40	0	80.6	70 - 130	33.67	4.29	20	
o-Xylene	16.34	5.0	20	0	81.7	70 - 124	17.62	7.5	20	
Toluene	17.44	5.0	20	0	87.2	70 - 123	18.87	7.87	20	
Xylenes, Total	48.6	5.0	60	0	81.0	70 - 130	51.29	5.38	20	
Surr: 1,2-Dichloroethane-d4	*41.56*	*0*	*50*	*0*	*83.1*	*70 - 126*	*41.89*	*0.769*	*20*	
Surr: 4-Bromofluorobenzene	*47.01*	*0*	*50*	*0*	*94.0*	*82 - 124*	*46.85*	*0.348*	*20*	
Surr: Dibromofluoromethane	*47.53*	*0*	*50*	*0*	*95.1*	*77 - 123*	*47.31*	*0.461*	*20*	
Surr: Toluene-d8	*50.44*	*0*	*50*	*0*	*101*	*82 - 127*	*50.76*	*0.636*	*20*	

The following samples were analyzed in this batch: HS23070258-05 HS23070258-06 HS23070258-07 HS23070258-08 HS23070258-09 HS23070258-10 HS23070258-11

ALS Houston, US Date: 11-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3F29014
WorkOrder: **HS23070258**

QUALIFIERS, ACRONYMS, UNITS

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

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

Unit Reported	Description
mg/L	Milligrams per Liter

ALS Houston, US Date: 11-Jul-23

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352; 2022-2023	31-Jul-2023
Louisiana	03087-2023	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932022-13	31-Jul-2023

ALS Houston, US Date: 11-Jul-23

Sample Receipt Checklist

Work Order ID: HS23070258 **Date/Time Received:** 07-Jul-2023 09:40

Client Name: Permian Basin Lab **Received by:** Paresh M. Giga

Completed By:	/S/ Ragen Giga	07-Jul-2023 10:57	**Reviewed by:**	/S/ Anna Kinchen	10-Jul-2023 08:29
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **water** Carrier name: **FedEx Priority Overnight**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	2 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Samplers name present on COC?	Yes ☐	No ☑	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Temperature(s)/Thermometer(s):	5.8uc/5.7c	IR31
Cooler(s)/Kit(s):	Red	
Date/Time sample(s) sent to storage:	07/07/2023 11:30	

Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

HS23070258

Permian Basin Environmental Lab, LP

3F29014

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Project Manager: Brent Barron

Company Name: PBEL

Company Address: 1400 Rankin HWY

City/State/Zip: Midland Texas 79701

Telephone No: 432-661-4184 Fax No:

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

Project #:

Project Loc:

PO #:

Report Format: X Standard ☐ TRRP ☐ NPDES

ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: ICE	HNO_3 250 poly 1	HCl 3 40mL VOA	H_2SO_4 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	$Na_2S_2O_3$	NONE	NONE 3 AMBER VOAA VIALS	Matrix: DW-Drinking Water SL-Sludge GW=Groundwater S-Soil/Solid NP=Non-Potable Specify Other	Analyze For: BTEX 8021B TOTAL CALC	24 HOUR	STANDARD
	3F29014-01			6/28/2023	11:55		3	X		X						W	X		X
	3F29014-02			6/28/2023	9:30		3	X		X						W	X		X
	3F29014-03			6/28/2023	12:10		3	X		X						W	X		X
	3F29014-04			6/28/2023	11:30		3	X		X						W	X		X
	3F29014-05			6/28/2023	10:30		3	X		X						W	X		X
	3F29014-06			6/28/2023	11:20		3	X		X						W	X		X
	3F29014-07			6/28/2023	9:50		3	X		X						W	X		X

SPECIAL INSTRUCTIONS: REPORT TO MDL RUN REGARDLESS OF HOLD TIME

Relinquished by: Brent Barron	Date 7/6/23	Time 17:00	Received by:	Date	Time
Relinquished by:	Date	Time	Received by: 7/7/23 08:40	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

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

HS23070258

Permian Basin Environmental Lab, LP

3F29014

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Project Manager: Brent Barron

Company Name: PBEL

Company Address: 1400 Rankin HWY

City/State/Zip: Midland Texas 79701

Telephone No: 432-661-4184 Fax No:

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

Project #:

Project Loc:

PO #:

Report Format: X Standard ☐ TRRP ☐ NPDES

ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: ICE	HNO_3 250 poly 1	HCl 3 40mL VOA	H_2SO_4 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	$Na_2S_2O_3$	NONE	NONE 3 AMBER VOAA VIALS	Matrix: DW-Drinking Water SL-Sludge GW = Groundwater SS-Soil/Solid NP=Non-Potable Specify Other	Analyze For: BTEX 8021B TOTAL CALC	24 HOUR	STANDARD
	3F29014-08			6/28/2023	11:45		3	X		X						W	X		X
	3F29014-09			6/28/2023	8:55		3	X		X						W	X		X
	3F29014-10			6/28/2023	11:05		3	X		X						W	X		X
	3F29014-11			6/28/2023	11:20		3	X		X						W	X		X

SPECIAL INSTRUCTIONS: REPORT TO MDL RUN REGARDLESS OF HOLD TIME

Relinquished by: Brent Barron	Date 7/5/23	Time 17.00	Received by:	Date 7/7/23	Time 08:40
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Laboratory Comments:

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

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

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

PBELAB

Analytical Report

Prepared for:

Joel Lowry

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

13000 West County Road 100

Odessa, TX 79765

Project: 14-INCH VAC TO JAL LEGACY

Project Number: 17474

Location: Jal, NM

Lab Order Number: 3I13010

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 09/21/23

E Tech Environmental & Safety Solutions, Inc. [1]	Project: 14-INCH VAC TO JAL LEGACY
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	3I13010-01	Water	09/12/23 14:00	09-13-2023 13:17
MW-3	3I13010-02	Water	09/12/23 08:30	09-13-2023 13:17
MW-4	3I13010-03	Water	09/12/23 11:30	09-13-2023 13:17
MW-5	3I13010-04	Water	09/12/23 12:30	09-13-2023 13:17
MW-6	3I13010-05	Water	09/12/23 10:30	09-13-2023 13:17
MW-7	3I13010-06	Water	09/12/23 12:00	09-13-2023 13:17
MW-8	3I13010-07	Water	09/12/23 09:00	09-13-2023 13:17
MW-9	3I13010-08	Water	09/12/23 11:00	09-13-2023 13:17
MW-10	3I13010-09	Water	09/12/23 13:00	09-13-2023 13:17
MW-11	3I13010-10	Water	09/12/23 13:30	09-13-2023 13:17
MW-12	3I13010-11	Water	09/12/23 08:00	09-13-2023 13:17
MW-13	3I13010-12	Water	09/12/23 09:30	09-13-2023 13:17
MW-14	3I13010-13	Water	09/12/23 10:00	09-13-2023 13:17
MW-2	3I13010-14	Water	09/12/23 13:15	09-13-2023 13:17

E Tech Environmental & Safety Solutions, Inc. [1]	Project: 14-INCH VAC TO JAL LEGACY
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

MW-2

3I13010-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Total BTEX	**0.00706**	0.00100	mg/L	1	[CALC]	09/15/23 09:06	09/15/23 16:42	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/15/23 09:06	09/15/23 16:42	EPA 8021B	
Organics by GC									
Benzene	**0.00706**	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 16:42	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 16:42	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 16:42	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 16:42	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 16:42	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*94.4 %*	*80-120*		*P3I1505*	*09/15/23 09:06*	*09/15/23 16:42*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.5 %*	*80-120*		*P3I1505*	*09/15/23 09:06*	*09/15/23 16:42*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: 14-INCH VAC TO JAL LEGACY
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

MW-3

3I13010-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Total BTEX	**0.0102**	0.00100	mg/L	1	[CALC]	09/15/23 09:06	09/15/23 17:52	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/15/23 09:06	09/15/23 17:52	EPA 8021B	
Organics by GC									
Benzene	**0.0102**	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 17:52	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 17:52	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 17:52	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 17:52	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 17:52	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*95.8 %*	*80-120*		*P3I1505*	*09/15/23 09:06*	*09/15/23 17:52*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.7 %*	*80-120*		*P3I1505*	*09/15/23 09:06*	*09/15/23 17:52*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: 14-INCH VAC TO JAL LEGACY
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

MW-4

3I13010-03 (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]	09/15/23 09:06	09/15/23 18:15	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/15/23 09:06	09/15/23 18:15	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 18:15	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 18:15	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 18:15	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 18:15	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 18:15	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*88.9 %*	*80-120*		*P3I1505*	*09/15/23 09:06*	*09/15/23 18:15*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*94.5 %*	*80-120*		*P3I1505*	*09/15/23 09:06*	*09/15/23 18:15*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: 14-INCH VAC TO JAL LEGACY
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

MW-5

3I13010-04 (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]	09/15/23 09:06	09/15/23 18:39	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/15/23 09:06	09/15/23 18:39	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 18:39	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 18:39	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 18:39	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 18:39	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 18:39	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*94.8 %*	*80-120*		*P3I1505*	*09/15/23 09:06*	*09/15/23 18:39*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.7 %*	*80-120*		*P3I1505*	*09/15/23 09:06*	*09/15/23 18:39*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: 14-INCH VAC TO JAL LEGACY
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

MW-6

3I13010-05 (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]	09/15/23 09:06	09/15/23 19:02	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/15/23 09:06	09/15/23 19:02	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 19:02	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 19:02	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 19:02	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 19:02	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 19:02	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*95.5 %*	*80-120*		*P3I1505*	*09/15/23 09:06*	*09/15/23 19:02*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.2 %*	*80-120*		*P3I1505*	*09/15/23 09:06*	*09/15/23 19:02*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: 14-INCH VAC TO JAL LEGACY
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

MW-7

3I13010-06 (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]	09/15/23 09:06	09/15/23 19:25	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/15/23 09:06	09/15/23 19:25	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 19:25	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 19:25	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 19:25	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 19:25	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 19:25	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*95.2 %*	*80-120*		*P3I1505*	*09/15/23 09:06*	*09/15/23 19:25*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*97.1 %*	*80-120*		*P3I1505*	*09/15/23 09:06*	*09/15/23 19:25*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: 14-INCH VAC TO JAL LEGACY
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

MW-8

3I13010-07 (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]	09/15/23 09:06	09/15/23 19:48	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/15/23 09:06	09/15/23 19:48	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 19:48	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 19:48	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 19:48	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 19:48	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 19:48	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*94.3 %*	*80-120*		*P3I1505*	*09/15/23 09:06*	*09/15/23 19:48*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.2 %*	*80-120*		*P3I1505*	*09/15/23 09:06*	*09/15/23 19:48*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: 14-INCH VAC TO JAL LEGACY
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

MW-9

3I13010-08 (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]	09/15/23 09:06	09/15/23 20:11	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/15/23 09:06	09/15/23 20:11	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 20:11	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 20:11	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 20:11	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 20:11	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 20:11	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*92.2 %*	*80-120*		*P3I1505*	*09/15/23 09:06*	*09/15/23 20:11*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.8 %*	*80-120*		*P3I1505*	*09/15/23 09:06*	*09/15/23 20:11*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: 14-INCH VAC TO JAL LEGACY
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

MW-10

3I13010-09 (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]	09/15/23 09:06	09/15/23 20:34	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/15/23 09:06	09/15/23 20:34	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 20:34	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 20:34	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 20:34	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 20:34	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 20:34	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*94.3 %*	*80-120*		*P3I1505*	*09/15/23 09:06*	*09/15/23 20:34*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.8 %*	*80-120*		*P3I1505*	*09/15/23 09:06*	*09/15/23 20:34*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: 14-INCH VAC TO JAL LEGACY
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

MW-11

3I13010-10 (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]	09/15/23 09:06	09/15/23 20:57	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/15/23 09:06	09/15/23 20:57	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 20:57	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 20:57	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 20:57	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 20:57	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 20:57	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*94.3 %*	*80-120*		*P3I1505*	*09/15/23 09:06*	*09/15/23 20:57*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.5 %*	*80-120*		*P3I1505*	*09/15/23 09:06*	*09/15/23 20:57*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: 14-INCH VAC TO JAL LEGACY
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

MW-12

3I13010-11 (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]	09/15/23 09:06	09/15/23 21:21	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/15/23 09:06	09/15/23 21:21	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 21:21	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 21:21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 21:21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 21:21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 21:21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*92.7 %*	*80-120*		*P3I1505*	*09/15/23 09:06*	*09/15/23 21:21*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.4 %*	*80-120*		*P3I1505*	*09/15/23 09:06*	*09/15/23 21:21*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: 14-INCH VAC TO JAL LEGACY
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Odessa TX, 79765	Project Manager: Joel Lowry

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3I13010-12 (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]	09/15/23 09:11	09/16/23 00:25	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/15/23 09:11	09/16/23 00:25	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3I1506	09/15/23 09:11	09/16/23 00:25	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3I1506	09/15/23 09:11	09/16/23 00:25	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3I1506	09/15/23 09:11	09/16/23 00:25	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3I1506	09/15/23 09:11	09/16/23 00:25	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3I1506	09/15/23 09:11	09/16/23 00:25	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*94.0 %*	*80-120*		*P3I1506*	*09/15/23 09:11*	*09/16/23 00:25*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.6 %*	*80-120*		*P3I1506*	*09/15/23 09:11*	*09/16/23 00:25*	*EPA 8021B*	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: 14-INCH VAC TO JAL LEGACY
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Odessa TX, 79765	Project Manager: Joel Lowry

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3I13010-13 (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]	09/15/23 09:11	09/16/23 00:48	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/15/23 09:11	09/16/23 00:48	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3I1506	09/15/23 09:11	09/16/23 00:48	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3I1506	09/15/23 09:11	09/16/23 00:48	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3I1506	09/15/23 09:11	09/16/23 00:48	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3I1506	09/15/23 09:11	09/16/23 00:48	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3I1506	09/15/23 09:11	09/16/23 00:48	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*95.6 %*	*80-120*		*P3I1506*	*09/15/23 09:11*	*09/16/23 00:48*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*97.3 %*	*80-120*		*P3I1506*	*09/15/23 09:11*	*09/16/23 00:48*	*EPA 8021B*	

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Odessa TX, 79765	Project Manager: Joel Lowry

MW-2

3I13010-14 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**10400**	100	mg/L	100	P3I1814	09/18/23 12:34	09/19/23 11:18	EPA 300.0	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: 14-INCH VAC TO JAL LEGACY
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Odessa TX, 79765	Project Manager: Joel Lowry

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 P3I1505 - * DEFAULT PREP *** **										
Blank (P3I1505-BLK1)				Prepared & Analyzed: 09/15/23						
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*		*94.5*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.5*	*80-120*			
LCS (P3I1505-BS1)				Prepared & Analyzed: 09/15/23						
Benzene	0.0827	0.00100	mg/L	0.100		82.7	80-120			
Toluene	0.0858	0.00100	"	0.100		85.8	80-120			
Ethylbenzene	0.0928	0.00100	"	0.100		92.8	80-120			
Xylene (p/m)	0.186	0.00200	"	0.200		93.2	80-120			
Xylene (o)	0.0816	0.00100	"	0.100		81.6	80-120			
Surrogate: 4-Bromofluorobenzene	*0.113*		*"*	*0.120*		*93.9*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.3*	*80-120*			
LCS Dup (P3I1505-BSD1)				Prepared & Analyzed: 09/15/23						
Benzene	0.0815	0.00100	mg/L	0.100		81.5	80-120	1.41	20	
Toluene	0.0853	0.00100	"	0.100		85.3	80-120	0.538	20	
Ethylbenzene	0.0924	0.00100	"	0.100		92.4	80-120	0.475	20	
Xylene (p/m)	0.186	0.00200	"	0.200		92.9	80-120	0.382	20	
Xylene (o)	0.0811	0.00100	"	0.100		81.1	80-120	0.615	20	
Surrogate: 4-Bromofluorobenzene	*0.115*		*"*	*0.120*		*96.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.4*	*80-120*			
Calibration Blank (P3I1505-CCB1)				Prepared & Analyzed: 09/15/23						
Benzene	0.100		ug/l							
Toluene	0.0600		"							
Ethylbenzene	0.0700		"							
Xylene (p/m)	0.110		"							
Xylene (o)	0.0700		"							
Surrogate: 4-Bromofluorobenzene	*0.114*		*"*	*0.120*		*95.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.6*	*80-120*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: 14-INCH VAC TO JAL LEGACY
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

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 P3I1505 - * DEFAULT PREP *** **										
Calibration Blank (P3I1505-CCB2)				Prepared & Analyzed: 09/15/23						
Benzene	0.0800		ug/l							
Toluene	0.0800		"							
Ethylbenzene	0.0600		"							
Xylene (p/m)	0.0800		"							
Xylene (o)	0.0400		"							
Surrogate: 4-Bromofluorobenzene	*0.114*		*"*	*0.120*		*94.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.5*	*80-120*			
Calibration Check (P3I1505-CCV1)				Prepared & Analyzed: 09/15/23						
Benzene	0.0893	0.00100	mg/L	0.100		89.3	80-120			
Toluene	0.0950	0.00100	"	0.100		95.0	80-120			
Ethylbenzene	0.0989	0.00100	"	0.100		98.9	80-120			
Xylene (p/m)	0.207	0.00200	"	0.200		104	80-120			
Xylene (o)	0.0936	0.00100	"	0.100		93.6	80-120			
Surrogate: 4-Bromofluorobenzene	*0.108*		*"*	*0.120*		*89.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.7*	*80-120*			
Calibration Check (P3I1505-CCV2)				Prepared & Analyzed: 09/15/23						
Benzene	0.0823	0.00100	mg/L	0.100		82.3	80-120			
Toluene	0.0880	0.00100	"	0.100		88.0	80-120			
Ethylbenzene	0.0912	0.00100	"	0.100		91.2	80-120			
Xylene (p/m)	0.190	0.00200	"	0.200		94.8	80-120			
Xylene (o)	0.0870	0.00100	"	0.100		87.0	80-120			
Surrogate: 4-Bromofluorobenzene	*0.110*		*"*	*0.120*		*92.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.6*	*80-120*			
Calibration Check (P3I1505-CCV3)				Prepared & Analyzed: 09/15/23						
Benzene	0.0918	0.00100	mg/L	0.100		91.8	80-120			
Toluene	0.0980	0.00100	"	0.100		98.0	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.215	0.00200	"	0.200		107	80-120			
Xylene (o)	0.0985	0.00100	"	0.100		98.5	80-120			
Surrogate: 4-Bromofluorobenzene	*0.112*		*"*	*0.120*		*93.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.2*	*80-120*			

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Odessa TX, 79765	Project Manager: Joel Lowry

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 P3I1505 - * DEFAULT PREP *** **										
Matrix Spike (P3I1505-MS1)	**Source: 3I08007-05**			Prepared & Analyzed: 09/15/23						
Benzene	0.0725	0.00100	mg/L	0.100	ND	72.5	80-120			QM-05
Toluene	0.0852	0.00100	"	0.100	ND	85.2	80-120			
Ethylbenzene	0.0970	0.00100	"	0.100	ND	97.0	80-120			
Xylene (p/m)	0.190	0.00200	"	0.200	ND	95.1	80-120			
Xylene (o)	0.0861	0.00100	"	0.100	ND	86.1	80-120			
Surrogate: 4-Bromofluorobenzene	*0.110*		*"*	*0.120*		*91.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.1*	*80-120*			
Matrix Spike Dup (P3I1505-MSD1)	**Source: 3I08007-05**			Prepared & Analyzed: 09/15/23						
Benzene	0.0690	0.00100	mg/L	0.100	ND	69.0	80-120	4.93	20	QM-05
Toluene	0.0808	0.00100	"	0.100	ND	80.8	80-120	5.33	20	
Ethylbenzene	0.0924	0.00100	"	0.100	ND	92.4	80-120	4.91	20	
Xylene (p/m)	0.183	0.00200	"	0.200	ND	91.4	80-120	4.05	20	
Xylene (o)	0.0813	0.00100	"	0.100	ND	81.3	80-120	5.74	20	
Surrogate: 4-Bromofluorobenzene	*0.109*		*"*	*0.120*		*90.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.3*	*80-120*			
Batch P3I1506 - * DEFAULT PREP *** **										
Blank (P3I1506-BLK1)				Prepared: 09/15/23 Analyzed: 09/16/23						
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	*0.110*		*"*	*0.120*		*92.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.9*	*80-120*			

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Odessa TX, 79765	Project Manager: Joel Lowry

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 P3I1506 - * DEFAULT PREP *** **										
LCS (P3I1506-BS1)				Prepared & Analyzed: 09/15/23						
Benzene	0.0848	0.00100	mg/L	0.100		84.8	80-120			
Toluene	0.0869	0.00100	"	0.100		86.9	80-120			
Ethylbenzene	0.0938	0.00100	"	0.100		93.8	80-120			
Xylene (p/m)	0.187	0.00200	"	0.200		93.4	80-120			
Xylene (o)	0.0821	0.00100	"	0.100		82.1	80-120			
Surrogate: 4-Bromofluorobenzene	*0.109*		*"*	*0.120*		*91.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.2*	*80-120*			
LCS Dup (P3I1506-BSD1)				Prepared & Analyzed: 09/15/23						
Benzene	0.0836	0.00100	mg/L	0.100		83.6	80-120	1.40	20	
Toluene	0.0856	0.00100	"	0.100		85.6	80-120	1.48	20	
Ethylbenzene	0.0922	0.00100	"	0.100		92.2	80-120	1.77	20	
Xylene (p/m)	0.183	0.00200	"	0.200		91.6	80-120	1.92	20	
Xylene (o)	0.0805	0.00100	"	0.100		80.5	80-120	1.97	20	
Surrogate: 4-Bromofluorobenzene	*0.109*		*"*	*0.120*		*90.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.4*	*80-120*			
Calibration Blank (P3I1506-CCB1)				Prepared & Analyzed: 09/15/23						
Benzene	0.0800		ug/l							
Toluene	0.0700		"							
Ethylbenzene	0.0700		"							
Xylene (p/m)	0.0900		"							
Xylene (o)	0.0800		"							
Surrogate: 4-Bromofluorobenzene	*0.110*		*"*	*0.120*		*91.5*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*96.2*	*80-120*			
Calibration Blank (P3I1506-CCB2)				Prepared: 09/15/23 Analyzed: 09/16/23						
Benzene	0.100		ug/l							
Toluene	0.0600		"							
Ethylbenzene	0.0600		"							
Xylene (p/m)	0.120		"							
Xylene (o)	0.0700		"							
Surrogate: 4-Bromofluorobenzene	*0.108*		*"*	*0.120*		*90.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.3*	*80-120*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: 14-INCH VAC TO JAL LEGACY
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Odessa TX, 79765	Project Manager: Joel Lowry

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 P3I1506 - * DEFAULT PREP *** **										
Calibration Check (P3I1506-CCV1)				Prepared & Analyzed: 09/15/23						
Benzene	0.0918	0.00100	mg/L	0.100		91.8	80-120			
Toluene	0.0980	0.00100	"	0.100		98.0	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.215	0.00200	"	0.200		107	80-120			
Xylene (o)	0.0985	0.00100	"	0.100		98.5	80-120			
Surrogate: 4-Bromofluorobenzene	*0.112*		"	*0.120*		*93.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.2*	*80-120*			
Calibration Check (P3I1506-CCV2)				Prepared: 09/15/23 Analyzed: 09/16/23						
Benzene	0.0873	0.00100	mg/L	0.100		87.3	80-120			
Toluene	0.0934	0.00100	"	0.100		93.4	80-120			
Ethylbenzene	0.0971	0.00100	"	0.100		97.1	80-120			
Xylene (p/m)	0.207	0.00200	"	0.200		104	80-120			
Xylene (o)	0.0945	0.00100	"	0.100		94.5	80-120			
Surrogate: 4-Bromofluorobenzene	*0.111*		"	*0.120*		*92.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.7*	*80-120*			
Calibration Check (P3I1506-CCV3)				Prepared: 09/15/23 Analyzed: 09/16/23						
Benzene	0.0888	0.00100	mg/L	0.100		88.8	80-120			
Toluene	0.0948	0.00100	"	0.100		94.8	80-120			
Ethylbenzene	0.0978	0.00100	"	0.100		97.8	80-120			
Xylene (p/m)	0.205	0.00200	"	0.200		103	80-120			
Xylene (o)	0.0935	0.00100	"	0.100		93.5	80-120			
Surrogate: 4-Bromofluorobenzene	*0.108*		"	*0.120*		*89.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.8*	*80-120*			
Matrix Spike (P3I1506-MS1)	**Source: 3I13010-12**			Prepared: 09/15/23 Analyzed: 09/16/23						
Benzene	0.0711	0.00100	mg/L	0.100	ND	71.1	80-120			QM-05
Toluene	0.0833	0.00100	"	0.100	ND	83.3	80-120			
Ethylbenzene	0.0944	0.00100	"	0.100	ND	94.4	80-120			
Xylene (p/m)	0.187	0.00200	"	0.200	ND	93.3	80-120			
Xylene (o)	0.0834	0.00100	"	0.100	ND	83.4	80-120			
Surrogate: 4-Bromofluorobenzene	*0.109*		"	*0.120*		*90.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.2*	*80-120*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: 14-INCH VAC TO JAL LEGACY
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

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 P3I1506 - * DEFAULT PREP *** **										
Matrix Spike Dup (P3I1506-MSD1)	**Source: 3I13010-12**			Prepared: 09/15/23 Analyzed: 09/16/23						
Benzene	0.0612	0.00100	mg/L	0.100	ND	61.2	80-120	14.9	20	QM-05
Toluene	0.0711	0.00100	"	0.100	ND	71.1	80-120	15.8	20	QM-05
Ethylbenzene	0.0804	0.00100	"	0.100	ND	80.4	80-120	16.0	20	
Xylene (p/m)	0.161	0.00200	"	0.200	ND	80.5	80-120	14.7	20	
Xylene (o)	0.0710	0.00100	"	0.100	ND	71.0	80-120	16.0	20	QM-05
Surrogate: 4-Bromofluorobenzene	*0.107*		*"*	*0.120*		*88.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.4*	*80-120*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: 14-INCH VAC TO JAL LEGACY
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

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 P3I1814 - * DEFAULT PREP *** **										
Blank (P3I1814-BLK1)				Prepared: 09/18/23 Analyzed: 09/19/23						
Chloride	ND	1.00	mg/L							
LCS (P3I1814-BS1)				Prepared: 09/18/23 Analyzed: 09/19/23						
Chloride	20.5		mg/L	20.0		103	90-110			
LCS Dup (P3I1814-BSD1)				Prepared: 09/18/23 Analyzed: 09/19/23						
Chloride	20.5		mg/L	20.0		103	90-110	0.0536	10	
Calibration Check (P3I1814-CCV1)				Prepared: 09/18/23 Analyzed: 09/19/23						
Chloride	20.2		mg/L	20.0		101	90-110			
Calibration Check (P3I1814-CCV2)				Prepared: 09/18/23 Analyzed: 09/19/23						
Chloride	20.3		mg/L	20.0		101	90-110			
Matrix Spike (P3I1814-MS1)		**Source: 3I13010-14**		Prepared: 09/18/23 Analyzed: 09/19/23						
Chloride	217		mg/L	100	104	113	80-120			
Matrix Spike Dup (P3I1814-MSD1)		**Source: 3I13010-14**		Prepared: 09/18/23 Analyzed: 09/19/23						
Chloride	217		mg/L	100	104	113	80-120	0.0208	20	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: 14-INCH VAC TO JAL LEGACY
13000 West County Road 100	Project Number: 17474
Odessa TX, 79765	Project Manager: Joel Lowry

Notes and Definitions

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: 9/21/2023

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235

Project Manager: Joel Lowry
Company Name: Etech Environmental & Safety Solutions, Inc.
Company Address: 2617 West Marland
City/State/Zip: Hobbs, NM 88240
Telephone No: (575) 264-9884 Fax No:
Sampler Signature:
e-mail: PM@etechenv.com

Project Name: 14-Inch Vac to Jal Legacy
Project #: 17474
Project Loc: 32.1029722, -103.1195278
PO #: 2009-092
Report Format: X Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 3I13010

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 250ml Poly	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None 1L Poly	NaOH/ZnAc	Matrix: DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Analyze For: TPH 8015 M (NEW MEXICO)	CHLORIDES	BTEX 8021 B	Rush 24 48 72 (Please call)	Standard
1	MW-2			9.12.23	2:00		3	X		X							GW				X		X
2	MW-3			9.12.23	9:30		3	X		X							GW				X		X
3	MW-4			9.12.23	11:30		3	X		X							GW				X		X
4	MW-5			9.12.23	12:30		3	X		X							GW				X		X
5	MW-6			9.12.23	10:30		3	X		X							GW				X		X
6	MW-7			9.12.23	12:00		3	X		X							GW				X		X
7	MW-8			9.12.23	9:00		3	X		X							GW				X		X
8	MW-9			9.12.23	11:00		3	X		X							GW				X		X
9	MW-10			9.12.23	1:00		3	X		X							GW				X		X
10	MW-11			9.12.23	1:30		3	X		X							GW				X		X

Special Instructions:
Please email copy of COC to and results to PM@etechenv.com.

Relinquished by:	Date 9/13/23	Time 13:17	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date 9/13/23	Time 13:17

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: °C
Adjusted: 5.1 °C Factor NCF 1.3

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235

Project Manager: Joel Lowry

Company Name: Etech Environmental & Safety Solutions, Inc.

Company Address: 2617 West Marland

City/State/Zip: Hobbs, NM 88240

Telephone No: (575) 264-9884 Fax No:

Sampler Signature:

e-mail: PM@etechenv.com

Project Name: 14-Inch Vac to Jal Legacy

Project #: 17474

Project Loc: 32.1029722, -103.1195278

PO #: 2009-092

Report Format: X Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 3I13010

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3 250 ml Poly	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None 1L Poly	NaOH/ZnAc	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TPH 8015 M (NEW MEXICO)	CHLORIDES	BTEX 8021 B	Rush 24 48 72 (Please call)	Standard
11	MW-12			9-12-23	8:00		3	X		X						GW			X		X
12	MW-13			9-12-23	9:30		3	X		X						GW			X		X
13	MW-14			9-12-23	10:00		3	X		X						GW			X		X
14	MW-02			9-12-23	2:15		1	X								GW		X			X

Special Instructions:
Please email copy of COC to and results to PM@etechenv.com.

Relinquished by:	Date	Time	Received by:	Date	Time
	9/13/23	13:17			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
				9/13/23	13:17

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: °C
Adjusted: 5.1 °C Factor NCF 0.3

ANALYTICAL REPORT

December 27, 2023

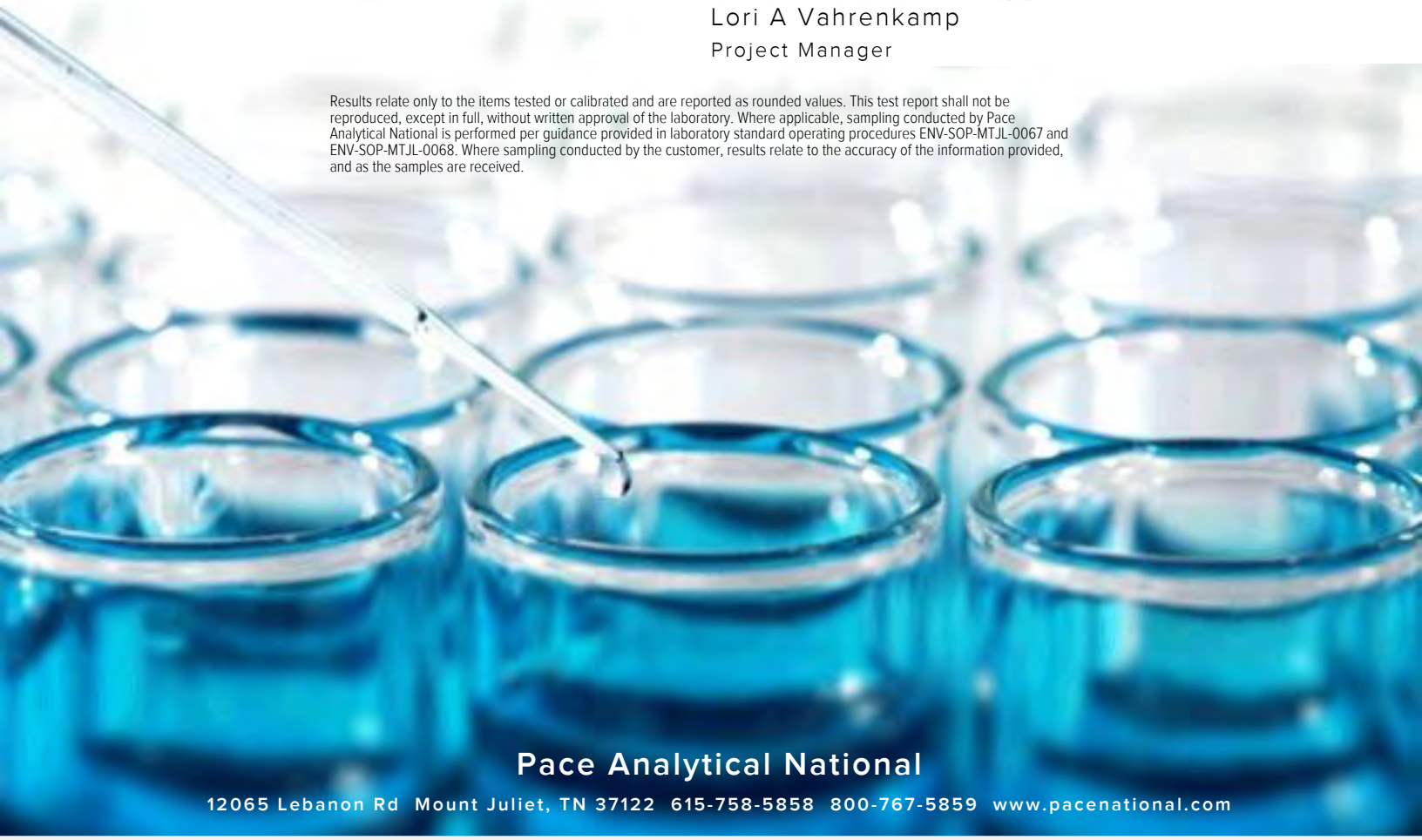
Plains All American Pipeline - ETECH

Sample Delivery Group:	L1684452
Samples Received:	12/05/2023
Project Number:	SRS #2009-092
Description:	14" Jal to Vac Legacy
Site:	SRS #2009-092
Report To:	Kimble Thrash PO Box 62228 Midland, TX 79711

Entire Report Reviewed By:

Lori A Vahrenkamp
Project Manager

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



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

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MW-2 L1684452-01 GW

Collected by: Kimble Thrash | Collected date/time: 12/02/23 11:20 | Received date/time: 12/05/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 300.0	WG2189217	100	12/18/23 22:34	12/18/23 22:34	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG2185313	1	12/10/23 16:24	12/10/23 16:24	DWR	Mt. Juliet, TN

MW-3 L1684452-02 GW

Collected by: Kimble Thrash | Collected date/time: 12/02/23 16:00 | Received date/time: 12/05/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2185313	1	12/10/23 16:01	12/10/23 16:01	DWR	Mt. Juliet, TN

MW-4 L1684452-03 GW

Collected by: Kimble Thrash | Collected date/time: 12/03/23 15:10 | Received date/time: 12/05/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2185313	1	12/10/23 16:47	12/10/23 16:47	DWR	Mt. Juliet, TN

MW-5 L1684452-04 GW

Collected by: Kimble Thrash | Collected date/time: 12/02/23 14:50 | Received date/time: 12/05/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2185313	1	12/10/23 17:10	12/10/23 17:10	DWR	Mt. Juliet, TN

MW-6 L1684452-05 GW

Collected by: Kimble Thrash | Collected date/time: 12/03/23 11:40 | Received date/time: 12/05/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2185313	1	12/10/23 17:33	12/10/23 17:33	DWR	Mt. Juliet, TN

MW-7 L1684452-06 GW

Collected by: Kimble Thrash | Collected date/time: 12/03/23 13:20 | Received date/time: 12/05/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2185313	1	12/10/23 17:56	12/10/23 17:56	DWR	Mt. Juliet, TN

MW-8 L1684452-07 GW

Collected by: Kimble Thrash | Collected date/time: 12/03/23 09:30 | Received date/time: 12/05/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2185313	1	12/10/23 18:18	12/10/23 18:18	DWR	Mt. Juliet, TN

MW-10 L1684452-08 GW

Collected by: Kimble Thrash | Collected date/time: 12/02/23 13:10 | Received date/time: 12/05/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2185313	1	12/10/23 18:41	12/10/23 18:41	DWR	Mt. Juliet, TN

DUP-1 L1684452-09 GW

Collected by: Kimble Thrash
Collected date/time: 12/03/23 15:11
Received date/time: 12/05/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2185313	1	12/10/23 19:19	12/10/23 19:19	DWR	Mt. Juliet, TN

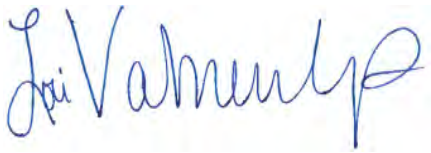
TRIP BLANK L1684452-10 GW

Collected by: Kimble Thrash
Collected date/time: 12/02/23 00:00
Received date/time: 12/05/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2184212	1	12/08/23 16:30	12/08/23 16:30	ADM	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	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	10300		37.9	100	100	12/18/2023 22:34	WG2189217

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	0.00384		0.000190	0.000500	1	12/10/2023 16:24	WG2185313
Toluene	U		0.000412	0.00100	1	12/10/2023 16:24	WG2185313
Ethylbenzene	U		0.000160	0.000500	1	12/10/2023 16:24	WG2185313
Total Xylene	U		0.000510	0.00150	1	12/10/2023 16:24	WG2185313
(S) a,a,a-Trifluorotoluene(PID)	*102*			*79.0-125*		*12/10/2023 16:24*	WG2185313

MW-3
Collected date/time: 12/02/23 16:00
L1684452

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00607		0.000190	0.000500	1	12/10/2023 16:01	WG2185313
Toluene	U		0.000412	0.00100	1	12/10/2023 16:01	WG2185313
Ethylbenzene	U		0.000160	0.000500	1	12/10/2023 16:01	WG2185313
Total Xylene	U		0.000510	0.00150	1	12/10/2023 16:01	WG2185313
(S) a,a,a-Trifluorotoluene(PID)	*104*			*79.0-125*		*12/10/2023 16:01*	WG2185313

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000480	J	0.000190	0.000500	1	12/10/2023 16:47	WG2185313
Toluene	U		0.000412	0.00100	1	12/10/2023 16:47	WG2185313
Ethylbenzene	U		0.000160	0.000500	1	12/10/2023 16:47	WG2185313
Total Xylene	U		0.000510	0.00150	1	12/10/2023 16:47	WG2185313
(S) a,a,a-Trifluorotoluene(PID)	*101*			*79.0-125*		*12/10/2023 16:47*	WG2185313

MW-3
Collected date/time: 12/02/23 14:50
L1684452

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	12/10/2023 17:10	WG2185313
Toluene	U		0.000412	0.00100	1	12/10/2023 17:10	WG2185313
Ethylbenzene	U		0.000160	0.000500	1	12/10/2023 17:10	WG2185313
Total Xylene	U		0.000510	0.00150	1	12/10/2023 17:10	WG2185313
(S) a,a,a-Trifluorotoluene(PID)	*104*			*79.0-125*		*12/10/2023 17:10*	WG2185313

MW-6
Collected date/time: 12/03/23 11:40
L1684452

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	12/10/2023 17:33	WG2185313
Toluene	U		0.000412	0.00100	1	12/10/2023 17:33	WG2185313
Ethylbenzene	U		0.000160	0.000500	1	12/10/2023 17:33	WG2185313
Total Xylene	U		0.000510	0.00150	1	12/10/2023 17:33	WG2185313
(S) a,a,a-Trifluorotoluene(PID)	*102*			*79.0-125*		*12/10/2023 17:33*	WG2185313

MW-7
Collected date/time: 12/03/23 13:20
L1684452

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000809		0.000190	0.000500	1	12/10/2023 17:56	WG2185313
Toluene	U		0.000412	0.00100	1	12/10/2023 17:56	WG2185313
Ethylbenzene	U		0.000160	0.000500	1	12/10/2023 17:56	WG2185313
Total Xylene	U		0.000510	0.00150	1	12/10/2023 17:56	WG2185313
(S) a,a,a-Trifluorotoluene(PID)	*102*			*79.0-125*		*12/10/2023 17:56*	WG2185313

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	12/10/2023 18:18	WG2185313
Toluene	U		0.000412	0.00100	1	12/10/2023 18:18	WG2185313
Ethylbenzene	U		0.000160	0.000500	1	12/10/2023 18:18	WG2185313
Total Xylene	U		0.000510	0.00150	1	12/10/2023 18:18	WG2185313
(S) a,a,a-Trifluorotoluene(PID)	*103*			*79.0-125*		*12/10/2023 18:18*	WG2185313

MW-10
Collected date/time: 12/02/23 13:10
L1684452

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000840		0.000190	0.000500	1	12/10/2023 18:41	WG2185313
Toluene	U		0.000412	0.00100	1	12/10/2023 18:41	WG2185313
Ethylbenzene	U		0.000160	0.000500	1	12/10/2023 18:41	WG2185313
Total Xylene	U		0.000510	0.00150	1	12/10/2023 18:41	WG2185313
(S) a,a,a-Trifluorotoluene(PID)	*102*			*79.0-125*		*12/10/2023 18:41*	WG2185313

DUP-1
Collected date/time: 12/03/23 15:11
L1684452

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000671		0.000190	0.000500	1	12/10/2023 19:19	WG2185313
Toluene	U		0.000412	0.00100	1	12/10/2023 19:19	WG2185313
Ethylbenzene	U		0.000160	0.000500	1	12/10/2023 19:19	WG2185313
Total Xylene	U		0.000510	0.00150	1	12/10/2023 19:19	WG2185313
(S) a,a,a-Trifluorotoluene(PID)	*101*			*79.0-125*		*12/10/2023 19:19*	WG2185313

TRIP BLANK
Collected date/time: 12/02/23 00:00
L1684452

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	12/08/2023 16:30	WG2184212
Toluene	U		0.000412	0.00100	1	12/08/2023 16:30	WG2184212
Ethylbenzene	U		0.000160	0.000500	1	12/08/2023 16:30	WG2184212
Total Xylene	U		0.000510	0.00150	1	12/08/2023 16:30	WG2184212
(S) a,a,a-Trifluorotoluene(PID)	*105*			*79.0-125*		*12/08/2023 16:30*	WG2184212

Method Blank (MB)

(MB) R4014857-1 12/18/23 03:28

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

L1682312-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1682312-01 12/18/23 03:59 • (DUP) R4014857-3 12/18/23 04:15

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	14.3	14.3	1	0.283		15

L1684419-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1684419-02 12/18/23 21:30 • (DUP) R4014857-6 12/18/23 21:46

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	44.1	44.1	1	0.152		15

Laboratory Control Sample (LCS)

(LCS) R4014857-2 12/18/23 03:43

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	40.1	100	90.0-110	

L1684097-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1684097-04 12/18/23 06:54 • (MS) R4014857-4 12/18/23 07:10 • (MSD) R4014857-5 12/18/23 07:26

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	1410	1080	1070	0.000	0.000	10	80.0-120	V	V	1.37	15

Sample Narrative:

OS: Bromide and Fluoride BDL dilution due to matrix

MS: spike failed due to matrix

MSD: spike failed due to matrix

L1684419-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1684419-02 12/18/23 21:30 • (MS) R4014857-7 12/18/23 22:02

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	44.1	75.4	78.2	1	80.0-120	J6

Sample Narrative:

MS: CL spike failed due to matrix

Method Blank (MB)

(MB) R4010223-3 12/08/23 03:43

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)	*108*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R4010223-1 12/08/23 01:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0523	105	77.0-122	
Toluene	0.0500	0.0527	105	80.0-121	
Ethylbenzene	0.0500	0.0530	106	80.0-123	
Total Xylene	0.150	0.162	108	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*107*	*79.0-125*	

Method Blank (MB)

(MB) R4011376-2 12/10/23 13:25

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)	*105*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R4011376-1 12/10/23 12:16

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0545	109	77.0-122	
Toluene	0.0500	0.0547	109	80.0-121	
Ethylbenzene	0.0500	0.0552	110	80.0-123	
Total Xylene	0.150	0.170	113	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*108*	*79.0-125*	

L1684452-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1684452-01 12/10/23 16:24 • (MS) R4011376-4 12/10/23 23:42 • (MSD) R4011376-5 12/11/23 00:05

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 %
Benzene	0.0500	0.00384	0.0424	0.0427	77.1	77.7	1	10.0-160			0.705	21
Toluene	0.0500	U	0.0400	0.0393	80.0	78.6	1	12.0-148			1.77	21
Ethylbenzene	0.0500	U	0.0403	0.0403	80.6	80.6	1	22.0-149			0.000	21
Total Xylene	0.150	U	0.123	0.125	82.0	83.3	1	13.0-155			1.61	21
(S) a,a,a-Trifluorotoluene(PID)					*103*	*101*		*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.
V	The sample concentration is too high to evaluate accurate spike recoveries.

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	LA000356
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: 432 894 9996

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

Date Results Needed

Quote #

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 # L1684452

Table # B241

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 8021B	BTEX 40mlAmb-HCl-Blk 8021B	CHLORIDE 125mlHDPE-NoPres 300.0							Remarks	Sample # (lab only)
MW-1		GW					X										
MW-2	G	GW	N/A	12-2-23	1120	4	X		X								-01
MW-3	G	GW	N/A	12-2-23	1600	3	X										-02
MW-4	G	GW	N/A	12-3-23	1510	3	X										-03
MW-5	G	GW	N/A	12-2-23	1450	3	X										-04
MW-6	G	GW	N/A	12-3-23	1140	3	X										-05
MW-7	G	GW	N/A	12-3-23	1320	3	X										-06
MW-8	G	GW	N/A	12-3-23	0930	3	X										-07
MW-9		GW					X										
MW-10	G	GW	N/A	12-2-23	1310	3	X										-08

* 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

	Date:	Time:		
Relinquished by: (Signature)	12/4/23	1326	Received by: (Signature)	Trip Blank Received: (Yes) / No HCL / MeoH TBR
Relinquished by: (Signature)	12-4-23	14:00	Received by: (Signature) Earthwest	Temp: CC/18 °C 0.2+0=0.2 Bottles Received: 28
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 12-5-23 Time: 8:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

Company Name/Address:
Plains All American Pipeline - ETECH

PO Box 62228
Midland, TX 79711

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

Pres Chk

Report to:
Kimble Thrash

Email To: **kimble@etechenv.com**

Project Description:
14" Jal to Vac Legacy

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

Please Circle: PT MT CT ET

Phone: **4228949996**

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

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
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SDG # L1664452

Table #

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 8021B	BTEX 40mlAmb-HCl-Blk 8021B	CHLORIDE 125mlHDPE-NoPres 300.0	Remarks	Sample # (lab only)
[redacted]		GW				3	X				
[redacted]		GW				3	X				
[redacted]		GW				3	X				
[redacted]		GW				3	X				
DUP-1	G	GW	N/A	12-3-23	1511	3	X				-09
[redacted]		GW				3	X				
TRIP BLANK		GW	N/A			1		X			-10

* 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

	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	12/4/23	1324	Erica Dyal	
Relinquished by : (Signature) Erica Dyal	12-4-23	14:00	Southwest	Temp: °C Bottles Received:
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) 9 10	Date: 12-5-23 Time: 8:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 328408

CONDITIONS

Operator:	OGRID:
PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	34053
	Action Number: 328408
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 2023 Annual Groundwater Monitoring Report for 14-In Vac to Jal Legacy: content satisfactory 1. Continue to conduct groundwater monitoring as scheduled for wells: MW-2, MW-3, MW-4, MW-7, MW-8 and MW-10 on a quarterly basis for BTEX 2. Continue to conduct groundwater monitoring for MW-5, MW-6, MW-9, and MW-11, through MW-14 semi-annually. 3. Monitor MW-2 for chlorides as prescribed 4. Continue to recover product as scheduled, including AFR events. 5. Submit the 2025 annual report to OCD by April 1, 2025.	8/14/2024