## 2023 Annual Groundwater Monitoring Report

**REVIEWED** 

By Mike Buchanan at 4:36 pm, Aug 01, 2024



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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 DCP Plant to Lea Station 6-Inch Section 31 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 Site is Unit Letter "K" (NE/SW), Section 31, Township 20 South, Range 37 East, in Lea County, New Mexico. The property affected by the release is owned by the State of New Mexico and administered by the New Mexico State Land Office (NMSLO). The geographic coordinates of the Release Site are 32.52733° North latitude and 103.2906° West longitude. A "Site Location Map" is provided as Figure 1.

### 2.0 BACKGROUND INFORMATION

On April 2, 2009, Plains discovered a crude oil release from a 6-inch steel pipeline. During initial response activities, Plains installed a temporary clamp on the pipeline to mitigate the release. The crude oil release resulted in a surface stain measuring approximately six (6) feet in width by eight (8) feet in length. Plains initially classified the release as "non-reportable". On further investigation, Plains reclassified the release as "reportable", notified the NMOCD Hobbs District Office, and submitted a "Release Notification and Corrective Action" (Form C-141) on April 29, 2009. The cause of the release was attributed to external corrosion of the pipeline. The C-141 indicated approximately 20 barrels (bbls) of crude oil was released from the pipeline, with no recovery.

On April 15, 2009, one (1) soil boring (SB-1) was advanced approximately 10 feet west of the release point to evaluate the vertical extent of impacted soil. During advancement of the soil boring, groundwater was encountered at approximately 77 feet below ground surface (bgs). Temporary casing was installed in the soil boring to obtain a preliminary groundwater sample. On April 16, 2009, a groundwater sample (SB-1) was collected from the temporary casing and submitted to the laboratory for analysis of total dissolved solids (TDS); chloride; and benzene, toluene, ethylbenzene, and total xylenes (BTEX). Following the collection of the groundwater sample, the temporary casing was removed from the soil boring, and the soil boring was plugged with cement and bentonite, as required by the New Mexico Office of the State Engineer (NMOSE). Laboratory analytical results indicated a benzene concentration of 1.915 mg/L, a BTEX concentration of 4.7711 mg/L, a chloride concentration of 54.6 mg/L, and a TDS concentration of 788 mg/L. Based on the analytical results of the submitted groundwater sample, Plains notified NMOCD representatives in the Hobbs District Office and the Santa Fe Office of the laboratory confirmed impact to groundwater at the Release Site.

On June 2, 2009, following advancement of the soil boring, excavation of hydrocarbon-impacted soil commenced. Excavated soil was stockpiled on-site on a plastic liner to mitigate the potential leaching of the contaminants into the vadose zone. Approximately 1,400 cubic yards (cy) of soil was stockpiled on-site, pending final disposition. The final dimensions of the excavation were approximately 77 feet in width, approximately 80 feet in length, and 15 feet in depth.

On September 21 through September 23, 2009, Plains installed and developed four (4) monitor wells (MW-1 through MW-4) at the Release Site, as approved by the NMOCD. Soil samples were collected at five (5) foot drilling intervals and field screened using a Photo-Ionization Detector (PID). Selected soil samples were submitted to the laboratory for determination of concentrations of BTEX and total petroleum hydrocarbons (TPH) using EPA Methods SW-846 8021b and SW-846 8015M, respectively.

Monitor well MW-1 was installed on the floor of the excavation, at approximately 15 feet bgs, to a total depth of approximately 86 feet bgs. Soil samples collected at 25, 35, 45, 55, 65, and 75 feet bgs were submitted to the laboratory for analysis. Laboratory analytical results indicated benzene concentrations were less than the appropriate laboratory method detection limit (MDL) for all of the submitted soil samples. BTEX concentrations ranged from 0.0359 mg/kg for the soil sample collected at 25 feet bgs to 13.444 mg/kg for the soil sample collected at 25 feet bgs to 1,538 mg/kg for the soil sample collected at 25 feet bgs.

Monitor well MW-2 is located approximately 75 feet northwest (up-gradient) of the release point. The monitor well was installed to a total depth of approximately 90 feet bgs. Soil samples collected at 15, 30, 45, 60, and 75 feet bgs were submitted to the laboratory for analysis. Laboratory analytical results indicated benzene, BTEX, and TPH concentrations were less than the appropriate laboratory MDL in each of the submitted soil samples.

Monitor well MW-3 is located approximately 75 feet to the southwest (cross-gradient) of the release point. The monitor well was installed to a total depth of approximately 90 feet bgs. Soil samples collected at 15, 30, 45 and 60 feet were submitted to the laboratory for analysis. Laboratory analytical results indicated benzene concentrations ranged from less than the appropriate laboratory MDL for the soil samples collected at 15, 30, 45, and 60 feet bgs. Analytical results indicated BTEX concentrations ranged from less than the appropriate laboratory MDL for the soil sample collected at 60 feet bgs. Analytical results indicated BTEX concentrations ranged from less than the appropriate laboratory MDL for the soil samples collected at 15, 30, and 45 feet bgs to 0.0052 mg/kg for the soil sample collected at 60 feet bgs. TPH concentrations were less than the appropriate laboratory MDL in each of the submitted soil samples.

Monitor well MW-4 is located approximately 75 feet to the southeast (down-gradient) of the release point. The monitor well was installed to a total depth of approximately eighty-nine 89 feet bgs. Soil samples collected at 15, 30, 45, and 60 feet bgs were submitted to the laboratory for analysis. Laboratory analytical results indicated benzene, BTEX, and TPH concentrations were less than the appropriate laboratory MDL in each of the submitted soil samples.

On January 25, 2011, one (1) additional monitor well (MW-5) was installed to further monitor the down-gradient migration of the PSH plume. Monitor well MW-5 is located approximately 60 feet to the southeast (down-gradient) of the release point. The monitor well was installed to a total depth of approximately 95 feet bgs. Soil samples collected at 15, 25, 45, 65, and 75 feet bgs were submitted to the laboratory for analysis. Laboratory analytical results indicated benzene, BTEX, and TPH concentrations were less than the appropriate laboratory MDL in each of the submitted soil samples. PSH was not observed in monitor well MW-5.

On September 11, 2013, one (1) additional monitor well (MW-6) was installed to further monitor the down-gradient migration of the PSH plume. Monitor well MW-6 is located approximately 95 feet to the east (cross-gradient) of the release point. The monitor well was installed to a total depth of approximately 100 feet bgs. Soil samples collected at five (5), 40, and 75 feet bgs were submitted to the laboratory for analysis. Laboratory analytical results indicated benzene, BTEX, and TPH concentrations were less than the appropriate laboratory MDL for all of the submitted soil samples. PSH was not observed in monitor well MW-6.

On March 6, 2020, a soil vapor extraction (SVE) unit was installed on monitor well MW-1. Previously a mobile dual phase extraction (MDPE) unit was utilized for the extraction of soil vapor. Monthly effluent air samples were collected from the SVE unit to ensure compliance with New Mexico Environment Department (NMED) Air Quality Bureau Action Levels. Results of effluent sample analyses are summarized in Table 3.

In February 2023, Etech, at the request of Plains, assumed project management and oversight responsibilities for groundwater remediation activities at the DCP Plant to Lea Station 6-Inch Section 31.

Currently, a total of six (6) monitor wells (MW-1 through MW-6) are located at the DCP Plant to Lea Station 6-Inch Section 31 Release Site. Monitor wells MW-2, MW-4, and MW-5 are gauged and sampled on a quarterly schedule. A semi-annual monitoring schedule was approved by the NMOCD for monitor wells MW-3 and MW-6 in August 2022. Monitor well MW-1 is gauged monthly but not sampled due to the presence of PSH.

### **3.0 FIELD ACTIVITIES**

### **3.1 Product Recovery Efforts**

A measurable thickness of PSH was detected in monitor well MW-1 during the initial site investigation. Manual recovery of PSH from MW-1 commenced in October 2009, and approximately 5,783 gallons (138 barrels) of PSH have been recovered since inception. Approximately 91.0 gallons of dissolved-phase hydrocarbon-impacted groundwater and 2.27 gallons of PSH were recovered by manual recovery from MW-1 during the 2023 reporting period. The average PSH thickness measured in monitor well MW-1 during the reporting period was 0.93 feet, and the maximum PSH thickness observed was 1.15 feet on July 28, 2023. Groundwater gauging and recovery data for monitor well MW-1 is summarized in Table 4.

An Aggressive Fluid Recovery (AFR) event was conducted on monitor well MW-1 in August 2023. During the AFR event, a submersible pump was utilized to conduct a prolonged recovery event consisting of approximately 5-7 hours of pumping. A total of approximately 350 gallons (8.33 bbls) of hydrocarbon-impacted groundwater were recovered from the monitor well during the event. The recovered fluid was pumped directly into the on-site polystyrene aboveground storage tank (AST), pending transport to an NMOCD-approved disposal facility.

In September 2012, an MDPE unit was installed on monitor well MW-1 by Talon LPE. The MDPE unit was shared with the nearby Release Site known as DCP Plant to Lea Station 6-Inch #2

(NMOCD Incident #nAPP2109730917), and the location of the unit was alternated periodically until an SVE was installed at the aforementioned Site on July 19, 2017.

On March 6, 2020, an SVE unit was installed on monitor well MW-1. Monthly effluent air samples are collected from the SVE unit to ensure compliance with NMED Air Quality Bureau (AQB) Action Levels.

Effluent air samples are collected from the exhaust port of the SVE system during each monthly recovery event. Emission mass calculations resulted in a decrease in average emissions of TPH from 2.25 tons/year in 2022 to 0.93 tons/year in 2023. The average emission volume decreased from 2.11 gal/day in 2022 to 0.86 gal/day in 2023. Effluent air samples were below the AQB criteria of 10 tons of TPH per year throughout the 2023 reporting period. Laboratory analytical results for effluent air samples are summarized in Table 3, and laboratory analytical reports are provided in Appendix B.

### **3.2** Groundwater Monitoring

The on-site monitor wells were gauged and sampled on March 29 and 30 (1Q2023); June 21 (2Q2023); September 19 (3Q2023); and December 7, 2023 (4Q2023). The groundwater monitoring events consisted of measuring static water levels in the on-site monitor wells (MW-1 through MW-6), checking for the presence of PSH, and purging and sampling of each well exhibiting sufficient recharge. Purged water was placed into the on-site 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 0.002 to 0.003 feet/foot to the south-southeast, as measured between monitor wells MW-2 and MW-4. Groundwater elevation and PSH thickness data is summarized in Table 1.

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

### 4.0 LABORATORY RESULTS

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

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

### Monitor Well MW-1

Monitor well MW-1 was not sampled during the 2023 reporting period due to the presence of PSH in the well.

### Monitor Well MW-2

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-3

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-4

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-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 Well 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.

### 5.0 SUMMARY

This report presents the results of the monitoring activities for the 2023 annual monitoring period. Currently, there are six (6) groundwater monitor wells (MW-1 through MW-6) on-site. Monitor well MW-1 was not sampled in 2022 due to the presence of PSH in the well. Monitor wells MW-2, MW-4, and MW-5 were sampled during all four quarters of the monitoring period. Monitor wells MW-3 and MW-6 are on a semi-annual monitoring schedule and were not sampled during 2Q2023. The results of these sampling events are summarized above.

Groundwater gauging data collected during the monitoring period indicates a general gradient of approximately 0.002 to 0.003 feet/foot to the south-southeast as measured between monitor wells MW-2 and MW-4.

During the reporting period, approximately 91.0 gallons of dissolved-phase hydrocarbon-impacted groundwater and 2.27 gallons of PSH were recovered by manual recovery from monitor well MW-1. The average PSH thickness measured in monitor well MW-1 during the reporting period was 0.93 feet, and the maximum PSH thickness observed was 1.15 feet on July 28, 2023.

An AFR event was conducted on monitor well MW-1 in August 2023. A total of approximately 350 gallons (8.33 bbls) of hydrocarbon-impacted groundwater were recovered from the monitor well during the event.

Effluent air samples collected from the exhaust port of the SVE system during the monitoring period indicated a decrease in average emissions of TPH from 2.25 tons/year in 2022 to 0.93 tons/year in 2023. The average emission volume decreased from 2.11 gal/day in 2022 to 0.86 gal/day in 2023. Effluent air samples were below the AQB criteria of 10 tons of TPH per year throughout the 2023 reporting period.

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

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

### 6.0 ANTICIPATED ACTIONS

Monitor wells MW-2, MW-4, and MW-5 will continue to be monitored and sampled quarterly. Monitor wells MW-3 and MW-6 will be sampled on a semi-annual basis.

In lieu of manual recovery, monthly AFR events will be conducted from monitor well MW-1 in an effort to control the down-gradient migration of the dissolved-phase plume.

Recovery by SVE and monthly emission sampling will continue from monitor well MW-1.

Results from 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 reference in the report and on oral statements made by certain individuals. Etech has not conducted an independent examination of the facts contained in referenced materials and statements. Etech has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Etech has prepared the report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Etech notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

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

### 8.0 **DISTRIBUTION**

### Plains All American Pipeline, LP

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(Electronic Submission)

### Figure 1 Site Location Map



# Figures 2A - 2D Inferred Groundwater Gradient Maps

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### Figures 3A - 3D Groundwater Concentration Maps









### Tables 1 - 4

#### Table 1 Groundwater Elevation & PSH<sup>1</sup> Thickness Summary

#### DCP Plant to Lea Station 6-Inch Sec. 31 Lea County, New Mexico Plains SRS #: 2009-084 Etech Project #: 14743

#### NMOCD<sup>2</sup> Incident ID #: nAPP2109734163

All e	levation	measurements	are ir	ı feet	above	mean	sea l	level
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Monitoring Well (Well Diameter ")	Date Gauged	Top of Casing (TOC) <sup>3</sup> Elevation*	Depth to PSH Below TOC (feet)	Depth to Water Below TOC (feet)	PSH Thickness (feet)	Corrected Groundwater Elevation
	03/10/2022	Lievation	85.09	85.95	0.86	3 454 37
MW-1 (4")	06/13/2022		85.00	86.00	1 00	3 454 44
	09/06/2022		84 49	85 13	0.64	3 455 00
	02/10/2023		85.09	86 19	1 10	3 454 34
	03/29/2023	3,539.59	85.02	85.88	0.86	3,454,44
	06/21/2023		85.02	86.16	1.14	3.454.40
	09/19/2023		85.00	85.88	0.88	3.454.46
	12/07/2023		85.10	85.16	0.06	3.454.48
	03/10/2022		-	83.78	-	3,455.59
	06/13/2022		-	83.71	-	3,455.66
	09/06/2022		-	83.77	-	3,455.60
MIN/ 2 (2")	02/10/2023	2 520 27	-	83.79	-	3,455.58
10100-2 (2)	03/29/2023	3,559.57	-	83.74	-	3,455.63
	06/21/2023		-	83.76	-	3,455.61
	09/19/2023		-	83.72	-	3,455.65
	12/07/2023		-	83.88	-	3,455.49
	03/10/2022		-	84.00	-	3,455.28
MW-3 (2")	6/13/2022		-	84.10	-	3,455.18
	09/06/2022	3,539.28	-	84.11	-	3,455.17
	02/10/2023		-	84.15	-	3,455.13
	03/29/2023		-	84.11	-	3,455.17
	06/21/2023		-	84.15	-	3,455.13
	09/19/2023		-	84.10	-	3,455.18
	12/07/2023		-	84.24	-	3,455.04
	03/10/2022		-	85.16	-	3,454.91
	06/13/2022		-	85.05	-	3,455.02
	09/06/2022		-	85.13	-	3,434.94
MW-4 (2")	03/29/2023	3,540.07		85.14		3 454 93
	06/21/2023		-	85.19	-	3.454.88
	09/19/2023		-	85.13	-	3,454.94
	12/07/2023		-	85.25	-	3,454.82
	03/10/2022		-	84.79	-	3,455.11
	06/13/2022		-	84.68	-	3,455.22
	09/06/2022		-	84.74	-	3,455.16
MW-5 (4")	02/10/2023	3,539.90	-	04.03 84.74	-	3,455,16
	06/21/2023		-	84 74	-	3 455 16
	09/19/2023		-	84.75	-	3,455.15
	12/07/2023		-	84.92	-	3,454.98
	03/10/2022		-	85.58	-	3,455.24
	06/13/2022		-	85.55	-	3,455.27
	09/06/2022		-	85.60	-	3,455.22
MW-6 (2")	02/10/2023	3,540.82	-	00.00 85.90	-	3,400.14
	06/21/2023			85.62		3 455 20
	09/19/2023		-	85.85	-	3,454.97
	12/07/2023		-	85.74	-	3,455.08

Notes:

1. PSH: Phase Separated Hydrocarbons

2. NMOCD: New Mexico Oil Conservation Division

3. TOC: Top of Casing

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

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### Table 2 Groundwater BTEX<sup>1</sup> Concentration Analytical Summary

#### DCP Plant to Lea Station 6-Inch Sec. 31 Lea County, New Mexico Plains SRS #: 2009-084 Etech Project #: 17473 NMOCD<sup>2</sup> Incident ID #: nAPP2109734163

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

Monitoring	Dato												
Well	Sampled	Benzene	Toluene	Ethylbenzene	M,P- Xylenes	O- Xylenes	Total Xylenes	Total BTEX					
NMOCD RRA	AL CRITERIA <sup>3</sup>	0.01	0.75	0.75	ΤΟΤΑ	L XYLENES 0	.62	NE⁴					
	03/10/22							•					
	06/13/22												
	09/08/22												
MW-1	02/10/23	Not Sampled due to presence of PSH											
	03/30/23												
	06/21/23	_											
	09/19/23												
	12/07/23												
	03/10/22	<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					
	06/13/22	< 0.000408	0.000614 J	< 0.000657	< 0.000629	< 0.000642	< 0.000642	< 0.000657					
	09/08/22	< 0.000533	< 0.000475	< 0.000411	< 0.00124	< 0.000551	< 0.00124	< 0.00124					
MW-2	02/10/23	<0.00100	<0.00100	< 0.00100	<0.0100	<0.00100	<0.0100	<0.0100					
	03/30/23	<0.00100	< 0.00100	<0.00100	<0.00200	< 0.00100	< 0.00200	< 0.00200					
	06/21/23	<0.00500	< 0.00500	< 0.00500	<0.0100	<0.00500	< 0.00500	<0.0100					
	09/19/23	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200					
	12/07/23	<0.000190	< 0.000412	< 0.000160	-	-	<0.000510	<0.000510					
	03/10/22	<0.00200	<0.00200	<0.00200	<0.00400	< 0.00200	<0.00400	<0.00400					
	06/13/22	<0.000522	<0.00047E		entiy Not Sample		<0.00104	<0.00104					
MW-3	09/08/22	<0.000533	<0.000475	<0.000411	<0.00124	<0.000551	<0.00124	<0.00124					
	02/10/23	<0.00100	<0.00100	<0.00100		<0.00100	<0.0100	<0.0100					
	05/30/23	<0.00100	<0.00100	Well Not Sample	<pre>&lt;0.00200 d (Semi-Annual)</pre>	Schedule)	<0.00200	~0.00200					
•	09/19/23	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200					
	12/07/23	< 0.000190	< 0.000412	< 0.000160	-	-	< 0.000510	< 0.000510					
	03/10/22	<0.00200	<0.00200	< 0.00200	<0.00400	<0.00200	< 0.00400	< 0.00400					
	06/13/22	<0.000408	0.000620 J	<0.000657	<0.000629	<0.000642	< 0.000642	< 0.000657					
	09/08/22	< 0.000533	<0.000475	<0.000411	<0.00124	<0.000551	<0.00124	<0.00124					
MW-4	02/10/23	<0.00100	< 0.00100	< 0.00100	<0.0100	< 0.00100	<0.0100	<0.0100					
	03/30/23	< 0.00100	<0.00100	< 0.00100	< 0.00200	< 0.00100	<0.00200	< 0.00200					
	06/21/23	< 0.00500	<0.00500	<0.00500	<0.0100	<0.00500	<0.00500	<0.0100					
	09/19/23	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200					
	12/07/23	<0.000190	<0.000412	<0.000160	-	-	<0.000510	<0.000510					
	03/10/22	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400					
	06/13/22	< 0.000408	0.000957 J	< 0.000657	< 0.000629	< 0.000642	< 0.000642	0.000957					
	DUP-1	< 0.000408	0.000684 J	< 0.000657	< 0.000629	< 0.000642	< 0.000642	0.000684					
	09/08/22	< 0.000533	<0.000475	<0.000411	<0.00124	<0.000551	< 0.00124	< 0.00124					
	DUP-1	< 0.000533	<0.000475	<0.000411	<0.00124	<0.000551	< 0.00124	< 0.00124					
MW-5	02/10/23	<0.00100	<0.00100	<0.00100	<0.0100	<0.00100	<0.0100	<0.0100					
	03/30/23	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200					
	06/21/23	<0.00500	<0.00500	< 0.00500	<0.0100	<0.00500	<0.00500	<0.0100					
	09/19/23	< 0.00100	< 0.00100	< 0.00100	<0.00200	<0.00100	<0.00200	<0.00200					
	12/07/23	< 0.000190	< 0.000412	< 0.000160	-	-	< 0.000510	< 0.000510					
	DUP-1	<0.000190	<0.000412	< 0.000160	-	-	<0.000510	<0.000510					
	03/10/22	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400					
	06/13/22	<0.00200	<u> </u>	Inadvert	ently Not Sample	00200 ed	<u>~0.00400</u>	<u>∼0.00400</u>					
	00/13/22	<0.000533	<0.000475	<0.000411	<0.00124	<0.000551	<0.00124	<0.00124					
	02/10/23	<0.00100	<0.00100	<0.00100	<0.0100	< 0.00100	<0.0100	< 0.0100					
MW-6	03/30/23	< 0.00100	< 0.00100	< 0.00100	<0.00200	< 0.00100	<0.00200	< 0.00200					
	06/21/23			Well Not Sample	d (Semi-Annual	Schedule)							
	09/19/23	<0.00100	< 0.00100	<0.00100	<0.00200	<0.00100	<0.00200	< 0.00200					
	12/07/23	< 0.000190	< 0.000412	< 0.000160	-	-	< 0.000510	<0.000510					

Notes:

1. BTEX: Benzene, Toluene, Ethylbenzene, and Total Xylenes

2. NMOCD: New Mexico Oil Conservation Division

3. RRAL Criteria: Recommended Remediation Action Level Criteria

4. NE: Not Established

J: The target analyte was positively identified below the quantitation limit and above the detection limit

.

# TABLE 3 SVE<sup>1</sup> Emission Analytical Summary - BTEX<sup>2</sup> & TPH<sup>3</sup>

#### DCP Plant to Lea Station 6-Inch Sec. 31 Lea County, New Mexico Etech Project #: 17473 Plains SRS#: 2009-084 NMOCD Incident ID#: nAPP2109734163

Sample I.D.	Sample Date	Laboratory	BTEX / TPH (mg/m³)	Emission Mass⁴ (tons/year)	Emission Volume (gal/day)
New Mexico Enviro	nment Department (NN	(AQB) Action Level requiring an Air Permit	10	-	
			Benzene - 0.359	0.000244	0.000184
			Toluene - 0.275	0.000187	0.000141
	02/02/2022	Eurofina Vanaa	Ethylbenzene - <0.230	0.00	0.00
EFF-1 (03323)	03/03/2023	Euronins Xenco	Total Xylene - 0.784	0.000534	0.000534
			Total BTEX - 1.42	0.000965	0.000965
			TPH - GRO - 575	0.391421	0.361421
			Benzene - 0.255	0.000174	0.000131
	05/15/2023	PBEL	Toluene - 0.182	0.000124	0.000093
			Ethylbenzene - <0.500	0.00	0.00
EFF-1 (031525)			Total Xylene - 0.430	0.000293	0.000220
			Total BTEX - 0.867	0.000590	0.000444
			TPH - GRO - NA	NA	NA
			Benzene - 2.48	0.00169	0.00127
			Toluene - 1.95	0.00133	0.000998
EEE 1 (060223)	06/20/2023	Pace	Ethylbenzene - 0.51	0.000345	0.000259
EFF-1 (000223)	00/20/2023	Face	Total Xylene - 6.25	0.00425	0.00320
			Total BTEX - 11.2	0.00762	0.00573
			TPH - GRO - 2,340	1.59	1.47
			Benzene - 0.594	0.000404	0.000304
			Toluene - 1.10	0.000749	0.000563
EEE_1 (072823)	07/28/2023	Pace	Ethylbenzene - 0.43	0.000295	0.000222
Li i - i (072023)	0112012020	1 000	Total Xylene - 4.39	0.00299	0.00225
			Total BTEX - 6.52	0.00444	0.00334
			TPH - GRO - 810	0.55	0.51

Notes:

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1. SVE: Soil Vapor Extraction

2. BTEX: Benzene, toluene, ethylbenzene, total xylene analyzed by EPA Method 8021B

3. TPH: Total petroleum hydrocarbons analyzed by EPA Method 8015

4. Emission Mass calculated assuming flowrate 1.1073 (m³/min) and constituent concentration were constant for the entirety of a year.

NA: Indicates constituant was not analyzed

< = Constituent not detected above laboratory sample detection limit (SDL)

Bold denotes concentrations that could potentially be in violation of applicable NMED AQB criteria.

# TABLE 3 SVE<sup>1</sup> Emission Analytical Summary - BTEX<sup>2</sup> & TPH<sup>3</sup>

#### DCP Plant to Lea Station 6-Inch Sec. 31 Lea County, New Mexico Etech Project #: 17473 Plains SRS#: 2009-084 NMOCD Incident ID#: nAPP2109734163

Sample I.D.	Sample Date	Laboratory	BTEX / TPH (mg/m³)	Emission Mass⁴ (tons/year)	Emission Volume (gal/day)
New Mexico Enviro	nment Department (NM	10	-		
			Benzene - 1.25	0.000851	0.000640
			Toluene - 1.13	0.000769	0.000578
EEE 1 (092522)	09/25/2022	Paga	Ethylbenzene - 0.41	0.000278	0.000209
EFF-1 (002525)	00/20/2020	Face	Total Xylene - 5.34	0.00364	0.00273
			Total BTEX - 8.13	0.00553	0.00416
			TPH - GRO - 1,310	0.89	0.82
			Benzene - <0.639	0.00	0.00
EFF-1 (092923)	09/29/2023	Pace	Toluene - 0.258	0.000176	0.000132
			Ethylbenzene - 0.101	0.0000688	0.0000517
			Total Xylene - 1.02	0.000694	0.000522
			Total BTEX - 1.38	0.000939	0.000706
			TPH - GRO - 673	0.458	0.424
			Benzene - <0.00400	0.00	0.00
			Toluene - <0.0100	0.00	0.00
EEE 1 (112023)	11/20/2023	DREI	Ethylbenzene - <0.0100	0.00	0.00
LTT-T(T12023)	11/20/2023	FDLL	Total Xylene - <0.0200	0.00	0.00
			Total BTEX - <0.0200	0.00	0.00
			TPH - GRO - NA	NA	NA
			Benzene - 0.543	0.000370	0.000278
			Toluene - 1.31	0.000892	0.000670
	12/28/2023	Pace	Ethylbenzene - 0.46	0.000310	0.000233
LII-I(122023)	12/20/2023	Faut	Total Xylene - 3.12	0.00212	0.00160
			Total BTEX - 5.43	0.00370	0.00278
			TPH - GRO - 2,480	1.69	1.56
			2023 TPH Average:	0.93	0.86

Notes:

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1. SVE: Soil Vapor Extraction

2. BTEX: Benzene, toluene, ethylbenzene, total xylene analyzed by EPA Method 8021B

3. TPH: Total petroleum hydrocarbons analyzed by EPA Method 8015

4. Emission Mass calculated assuming flowrate 1.1073 (m³/min) and constituent concentration were constant for the entirety of a year.

NA: Indicates constituant was not analyzed

< = Constituent not detected above laboratory sample detection limit (SDL)

Bold denotes concentrations that could potentially be in violation of applicable NMED AQB criteria.

### Table 4 MW-1 SVE<sup>1</sup> System Operation, PSH<sup>2</sup> Thickness & Recovery Summary

#### DCP Plant to Lea Station 6-Inch Sec. 31 Lea County, New Mexico Plains SRS #: 2009-084 Etech Project #: 17473 NMOCD<sup>3</sup> Incident ID #: nAPP2109734163

All measurements are in feet above mean sea level

Monitoring Well	Date	Top of Casing (TOC) <sup>4</sup> Elevation*	Depth to PSH Below TOC (feet)	Depth to Water Below TOC (feet)	PSH Thickness (feet)	PID⁵ Reading	SVE Unit Hours of Operation	Total Fluid Recovery (gallons)	PSH Recovered (gallons)
	01/27/2022		85.01	85.88	0.87	4,374.0	1,510.0	5.00	0.14
	02/24/2022		85.18	85.97	0.79	874.5	1,512.0	5.00	0.13
	03/28/2022		84.67	85.26	0.59	475.2	1,517.0	5.00	0.10
	04/25/2022		84.98	85.62	0.64	727.9	1,514.0	10.0	0.10
	05/19/2022		84.82	85.35	0.53	411.4	1,514.0	5.00	0.086
	06/13/2022		85.00	86.00	1.00	-	-	-	-
	06/29/2022		84.94	86.00	1.06	128.5	1,515.0	5.00	0.17
	08/22/2022		84.76	85.51	0.75	-	-	5.00	0.12
	09/06/2022		84.49	85.13	0.64	-	-	-	-
	09/29/2022		84.47	85.14	0.67	-	686.1	5.00	0.11
	10/20/2022		84.57	85.34	0.77	374.4	1,131.7	5.00	0.13
	11/28/2022		84.60	85.49	0.89	637.8	-	5.00	0.15
	02/10/2023		85.09	86.19	1.10	-	-	-	0.18
MW-1	03/03/2023	3,540.25	-	-	-	-	-	5.0	0.15
	03/29/2023		85.02	85.88	0.86	-	-	11.0	0.14
	05/09/2023		-	-	-	-	-	5.0	0.15
	05/15/2023		84.71	85.49	0.78	-	4,593.8	4.50	0.13
	05/30/2023		84.88	85.79	0.91		4,950.9	5.00	0.15
	06/21/2023		85.02	86.16	1.14	-	-	5.00	0.19
	07/28/2023		85.01	86.16	1.15	-	5,842.0	5.00	0.19
	08/07/2023		84.72	85.48	0.76	-	-	350	0.12
	08/22/2023		-	-	-	-	-	5.0	0.15
	08/25/2023		84.70	85.50	0.80		6,290.7	5.00	0.13
	09/19/2023		85.00	85.88	0.88	-	-	5.00	0.14
	10/09/2023		-	-	-	-	-	25.0	0.16
	11/20/2023	1	85.14	86.21	1.07	-	7,030.1	5.00	0.17
	12/28/2023		84.72	85.45	0.73	-	-	5.00	0.12
			2023 Average	e PSH Thickness	0.93	2023 Tota	als Recovered	441	2.27

#### Notes:

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1. SVE: Soil Vapor Extraction

2. PSH: Phase Separated Hydrocarbons

3. NMOCD: New Mexico Oil Conservation Division

4. TOC: Top Of Casing

5. PID: Photoionization Detector

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

### Appendix A Laboratory Analytical Reports (Groundwater)

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



# Analytical Report

### **Prepared for:**

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

> Project: Plains-DCP Sec. 31 Project Number: 17473 Location: Lea County, NM

Lab Order Number: 3D03010



**Current Certification** 

Report Date: 04/17/23

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	Plains-DCP Sec. 31
13000 West County Road 100	Project Number:	17473
Odessa TX, 79765	Project Manager:	Joel Lowry

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-4	3D03010-01	Water	03/30/23 08:25	04-03-2023 14:40
MW-6	3D03010-02	Water	03/30/23 10:00	04-03-2023 14:40
MW-3	3D03010-03	Water	03/30/23 08:45	04-03-2023 14:40
MW-5	3D03010-04	Water	03/30/23 09:25	04-03-2023 14:40
MW-2	3D03010-05	Water	03/30/23 10:10	04-03-2023 14:40

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	Plains-DCP Sec. 31
13000 West County Road 100	Project Number:	17473
Odessa TX, 79765	Project Manager:	Joel Lowry

### MW-4

3D03010-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
Permian Basin Environmental Lab, L.P.											
Organics by GC											
Benzene	ND	0.00100	mg/L	1	P3D0603	04/06/23 10:11	04/06/23 23:56	EPA 8021B			
Toluene	ND	0.00100	mg/L	1	P3D0603	04/06/23 10:11	04/06/23 23:56	EPA 8021B			
Ethylbenzene	ND	0.00100	mg/L	1	P3D0603	04/06/23 10:11	04/06/23 23:56	EPA 8021B			
Xylene (p/m)	ND	0.00200	mg/L	1	P3D0603	04/06/23 10:11	04/06/23 23:56	EPA 8021B			
Xylene (o)	ND	0.00100	mg/L	1	P3D0603	04/06/23 10:11	04/06/23 23:56	EPA 8021B			
Surrogate: 4-Bromofluorobenzene		102 %	80-120		P3D0603	04/06/23 10:11	04/06/23 23:56	EPA 8021B			
Surrogate: 1,4-Difluorobenzene		98.9 %	80-120		P3D0603	04/06/23 10:11	04/06/23 23:56	EPA 8021B			

E Tech Environmental & Safety Solution 13000 West County Road 100 Odessa TX, 79765	is, Inc. [1]		Projec Project	Project: t Number: Manager:	Plains-DCP 5 17473 Joel Lowry	Sec. 31			
				MV	W-6				
			3	D03010-	02 (Water)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ironmental l	Lab, L.P.			
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3D0603	04/06/23 10:11	04/07/23 00:17	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3D0603	04/06/23 10:11	04/07/23 00:17	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3D0603	04/06/23 10:11	04/07/23 00:17	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3D0603	04/06/23 10:11	04/07/23 00:17	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3D0603	04/06/23 10:11	04/07/23 00:17	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	80-120		P3D0603	04/06/23 10:11	04/07/23 00:17	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.2 %	80-120		P3D0603	04/06/23 10:11	04/07/23 00:17	EPA 8021B	

E Tech Environmental & Safety Solution 13000 West County Road 100 Odessa TX, 79765	us, Inc. [1]		Projec Project	Project: t Number: Manager:	Plains-DCP S 17473 Joel Lowry	Sec. 31			
				MV	W-3				
			3	D03010-	03 (Water)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian B	asin Envi	ironmental I	lab, L.P.			
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3D0606	04/06/23 11:35	04/07/23 03:05	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3D0606	04/06/23 11:35	04/07/23 03:05	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3D0606	04/06/23 11:35	04/07/23 03:05	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3D0606	04/06/23 11:35	04/07/23 03:05	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3D0606	04/06/23 11:35	04/07/23 03:05	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		P3D0606	04/06/23 11:35	04/07/23 03:05	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.9 %	80-120		P3D0606	04/06/23 11:35	04/07/23 03:05	EPA 8021B	

E Tech Environmental & Safety Solutions 13000 West County Road 100 Odessa TX, 79765	s, Inc. [1]		Projec Project	Project: t Number: Manager:	Plains-DCP 5 17473 Joel Lowry	Sec. 31			
				MV	W-5				
			3	D03010-	04 (Water)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ironmental l	Lab, L.P.			
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3D0606	04/06/23 11:35	04/07/23 03:27	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3D0606	04/06/23 11:35	04/07/23 03:27	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3D0606	04/06/23 11:35	04/07/23 03:27	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3D0606	04/06/23 11:35	04/07/23 03:27	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3D0606	04/06/23 11:35	04/07/23 03:27	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	80-120		P3D0606	04/06/23 11:35	04/07/23 03:27	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.9 %	80-120		P3D0606	04/06/23 11:35	04/07/23 03:27	EPA 8021B	

E Tech Environmental & Safety Solutions 13000 West County Road 100 Odessa TX, 79765	s, Inc. [1]		Projec Project	Project: t Number: Manager:	Plains-DCP S 17473 Joel Lowry	Sec. 31			
				MV	W-2				
			3	D03010-	05 (Water)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ironmental I	.ab, L.P.			
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3D0606	04/06/23 11:35	04/07/23 03:48	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3D0606	04/06/23 11:35	04/07/23 03:48	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3D0606	04/06/23 11:35	04/07/23 03:48	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3D0606	04/06/23 11:35	04/07/23 03:48	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3D0606	04/06/23 11:35	04/07/23 03:48	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		P3D0606	04/06/23 11:35	04/07/23 03:48	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.3 %	80-120		P3D0606	04/06/23 11:35	04/07/23 03:48	EPA 8021B	
E Tech Environmental & Safety Solutions, Inc. [1]	Project:	Plains-DCP Sec. 31							
---	------------------	--------------------							
13000 West County Road 100	Project Number:	17473							
Odessa TX, 79765	Project Manager:	Joel Lowry							

Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P3D0603 - *** DEFAULT PREP ***										
Blank (P3D0603-BLK1)				Prepared &	Analyzed:	04/06/23				
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	0.111		"	0.120		92.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	80-120			
LCS (P3D0603-BS1)				Prepared &	Analyzed:	04/06/23				
Benzene	0.118	0.00100	mg/L	0.100		118	80-120			
Toluene	0.112	0.00100		0.100		112	80-120			
Ethylbenzene	0.113	0.00100		0.100		113	80-120			
Xylene (p/m)	0.225	0.00200		0.200		112	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			
LCS Dup (P3D0603-BSD1)				Prepared &	Analyzed:	04/06/23				
Benzene	0.120	0.00100	mg/L	0.100		120	80-120	1.28	20	
Toluene	0.119	0.00100		0.100		119	80-120	5.95	20	
Ethylbenzene	0.119	0.00100		0.100		119	80-120	5.28	20	
Xylene (p/m)	0.239	0.00200		0.200		119	80-120	6.05	20	
Xylene (o)	0.111	0.00100	"	0.100		111	80-120	6.13	20	
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			
Calibration Blank (P3D0603-CCB1)				Prepared &	Analyzed:	04/06/23				
Benzene	0.180		ug/l							
Toluene	0.320									
Ethylbenzene	0.570									
Xylene (p/m)	1.00									
Xylene (o)	0.580		"							
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Plains-DCP Sec. 31	
13000 West County Road 100	Project Number: 17473	
Odessa TX, 79765	Project Manager: Joel Lowry	

Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P3D0603 - *** DEFAULT PREP ***										
Calibration Blank (P3D0603-CCB2)				Prepared &	Analyzed:	04/06/23				
Benzene	0.170		ug/l							
Toluene	0.180		"							
Ethylbenzene	0.270		"							
Xylene (p/m)	0.630		"							
Xylene (o)	0.330		"							
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		98.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.9	80-120			
Calibration Check (P3D0603-CCV1)				Prepared &	Analyzed:	04/06/23				
Benzene	0.115	0.00100	mg/L	0.100		115	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120			
Xylene (p/m)	0.224	0.00200	"	0.200		112	80-120			
Xylene (o)	0.105	0.00100	"	0.100		105	80-120			
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.124		"	0.120		103	80-120			
Calibration Check (P3D0603-CCV2)				Prepared &	Analyzed:	04/06/23				
Benzene	0.0938	0.00100	mg/L	0.100		93.8	80-120			
Toluene	0.0903	0.00100	"	0.100		90.3	80-120			
Ethylbenzene	0.0861	0.00100	"	0.100		86.1	80-120			
Xylene (p/m)	0.183	0.00200	"	0.200		91.4	80-120			
Xylene (o)	0.0846	0.00100	"	0.100		84.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.118		"	0.120		98.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.1	80-120			
Calibration Check (P3D0603-CCV3)				Prepared: (	04/06/23 At	nalyzed: 04	/07/23			
Benzene	0.106	0.00100	mg/L	0.100		106	80-120			
Toluene	0.105	0.00100	"	0.100		105	80-120			
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120			
Xylene (p/m)	0.214	0.00200	"	0.200		107	80-120			
Xylene (o)	0.0994	0.00100		0.100		99.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		98.9	80-120			

Permian Basin Environmental Lab, L.P.

E	Tech Environmental & Safety Solutions, Inc. [1]	Project:	Plains-DCP Sec. 31
1	3000 West County Road 100	Project Number:	17473
0	Ddessa TX, 79765	Project Manager:	Joel Lowry

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

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

#### Batch P3D0603 - \*\*\* DEFAULT PREP \*\*\*

Matrix Spike (P3D0603-MS1)	Sour	ce: 3C28006-	-01	Prepared: 0	4/06/23 A	nalyzed: 04	4/07/23			
Benzene	0.116	0.00100	mg/L	0.100	ND	116	80-120			
Toluene	0.115	0.00100	"	0.100	ND	115	80-120			
Ethylbenzene	0.120	0.00100	"	0.100	ND	120	80-120			
Xylene (p/m)	0.235	0.00200	"	0.200	ND	117	80-120			
Xylene (o)	0.104	0.00100	"	0.100	ND	104	80-120			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	80-120			
Matrix Spike Dup (P3D0603-MSD1)	Sour	ce: 3C28006-	-01	Prepared: 0	Prepared: 04/06/23 Analyzed: 04/07/23					
Benzene	0.106	0.00100	mg/L	0.100	ND	106	80-120	9.04	20	
Toluene	0.106	0.00100	"	0.100	ND	106	80-120	8.25	20	
Ethylbenzene	0.111	0.00100	"	0.100	ND	111	80-120	7.57	20	
Xylene (p/m)	0.220	0.00200	"	0.200	ND	110	80-120	6.51	20	
Xylene (o)	0.0981	0.00100	"	0.100	ND	98.1	80-120	5.82	20	
Surrogate: 4-Bromofluorobenzene	0.128		"	0.120		107	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

#### Batch P3D0606 - \*\*\* DEFAULT PREP \*\*\*

Blank (P3D0606-BLK1)			Prepared: 04/06/23 Analyzed: 04/07/23					
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	0.123		"	0.120	102	80-120		
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120	96.2	80-120		

Permian Basin Environmental Lab, L.P.

E Tech Enviro	nmental & Safety Solutions, Inc. [1]	Project:	Plains-DCP Sec. 31
13000 West C	ounty Road 100	Project Number:	17473
Odessa TX, 79	9765	Project Manager:	Joel Lowry

Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Datab D2D0404 *** DEFAULT PDFD ***										
Datch r5D0000 - """ DEFAULT PKEP ***										
LCS (P3D0606-BS1)				Prepared: 0	04/06/23 At	nalyzed: 04	/07/23			
Benzene	0.0980	0.00100	mg/L	0.100		98.0	80-120			
Toluene	0.0975	0.00100		0.100		97.5	80-120			
Ethylbenzene	0.102	0.00100		0.100		102	80-120			
Xylene (p/m)	0.202	0.00200	"	0.200		101	80-120			
Xylene (o)	0.0910	0.00100	"	0.100		91.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.5	80-120			
LCS Dup (P3D0606-BSD1)				Prepared: 0	04/06/23 At	nalyzed: 04	/07/23			
Benzene	0.0974	0.00100	mg/L	0.100		97.4	80-120	0.645	20	
Toluene	0.0972	0.00100		0.100		97.2	80-120	0.308	20	
Ethylbenzene	0.102	0.00100		0.100		102	80-120	0.500	20	
Xylene (p/m)	0.202	0.00200		0.200		101	80-120	0.0248	20	
Xylene (o)	0.0912	0.00100		0.100		91.2	80-120	0.165	20	
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.1	80-120			
Calibration Blank (P3D0606-CCB1)				Prepared: (	04/06/23 Ai	nalyzed: 04	/07/23			
Benzene	0.120		ug/l	1		2				
Toluene	0.240									
Ethylbenzene	0.500									
Xylene (p/m)	1.00									
Xylene (o)	0.520		"							
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		98.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.3	80-120			
Calibration Blank (P3D0606-CCB2)				Prepared: 0	04/06/23 At	nalyzed: 04	/07/23			
Benzene	0.150		ug/l							
Toluene	0.200									
Ethylbenzene	0.330									
Xylene (p/m)	0.670									
Xylene (o)	0.410		"							
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.3	80-120			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Plains-DCP Sec. 31	
13000 West County Road 100	Project Number: 17473	
Odessa TX, 79765	Project Manager: Joel Lowry	

Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P3D0606 - *** DEFAULT PREP ***										
Calibration Check (P3D0606-CCV1)				Prepared: 0	04/06/23 At	nalyzed: 04	/07/23			
Benzene	0.106	0.00100	mg/L				80-120			
Toluene	0.105	0.00100	"				80-120			
Ethylbenzene	0.101	0.00100	"				80-120			
Xylene (p/m)	0.214	0.00200	"				80-120			
Xylene (o)	0.0994	0.00100	"				80-120			
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		98.9	80-120			
Calibration Check (P3D0606-CCV2)				Prepared: (	04/06/23 At	nalyzed: 04	/07/23			
Benzene	0.112	0.00100	mg/L				80-120			
Toluene	0.112	0.00100	"				80-120			
Ethylbenzene	0.108	0.00100	"				80-120			
Xylene (p/m)	0.226	0.00200	"				80-120			
Xylene (o)	0.104	0.00100	"				80-120			
Surrogate: 4-Bromofluorobenzene	0.128		"	0.120		107	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.4	80-120			
Calibration Check (P3D0606-CCV3)				Prepared: 0	04/06/23 At	nalyzed: 04	/07/23			
Benzene	0.0994	0.00100	mg/L				80-120			
Toluene	0.0977	0.00100	"				80-120			
Ethylbenzene	0.0941	0.00100	"				80-120			
Xylene (p/m)	0.199	0.00200	"				80-120			
Xylene (o)	0.0914	0.00100	"				80-120			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		94.8	80-120			
Matrix Spike (P3D0606-MS1)	So	urce: 3D03010-	03	Prepared: 0	04/06/23 At	nalyzed: 04	/07/23			
Benzene	0.0960	0.00100	mg/L	0.100	ND	96.0	80-120			
Toluene	0.0928	0.00100	"	0.100	ND	92.8	80-120			
Ethylbenzene	0.0921	0.00100	"	0.100	ND	92.1	80-120			
Xylene (p/m)	0.179	0.00200	"	0.200	ND	89.5	80-120			
Xylene (o)	0.0808	0.00100	"	0.100	ND	80.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.7	80-120			

Permian Basin Environmental Lab, L.P.

# E Tech Environmental & Safety Solutions, Inc. [1]Project:Plains-DCP Sec. 3113000 West County Road 100Project Number:17473Odessa TX, 79765Project Manager:Joel Lowry

#### **Organics by GC - Quality Control**

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

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

#### Batch P3D0606 - \*\*\* DEFAULT PREP \*\*\*

Matrix Spike Dup (P3D0606-MSD1)	Sour		Prepared: 0	4/06/23 A	/07/23					
Benzene	0.0942	0.00100	mg/L	0.100	ND	94.2	80-120	1.88	20	
Toluene	0.0911	0.00100	"	0.100	ND	91.1	80-120	1.85	20	
Ethylbenzene	0.0929	0.00100	"	0.100	ND	92.9	80-120	0.800	20	
Xylene (p/m)	0.181	0.00200	"	0.200	ND	90.6	80-120	1.23	20	
Xylene (o)	0.0826	0.00100	"	0.100	ND	82.6	80-120	2.19	20	
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	Plains-DCP Sec
13000 West County Road 100	Project Number:	17473
Odessa TX, 79765	Project Manager:	Joel Lowry

#### **Notes and Definitions**

31

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

Sun Barron

Report Approved By:

Date:

4/17/2023

Brent Barron, Laboratory Director/Technical Director

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

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

Permian Basin Environmental Lab, L.P.

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(	Company Name	Plains All A	merican Pip	eline,	L.P.			_										P	roje	ct #:	174	73						
. (	Company Address:	1106 Griffith	Drive	r.		· _ ·	;					<u> </u>						Proj	ect l	Loc:	Lea	Count	y, NM	<u> </u>				-
. (	City/State/Zip:	Midland, TX	79706																Ρ	O #:	2009	-084						
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PERMIAN BASIN ENVIRONMENTAL LAB, LP 1400 Rankin Hwy Midland, TX 79701



# Analytical Report

# **Prepared for:**

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

> Project: DCP sec. 31 Project Number: 17473 Location: RURAL LEA COUNTY, NM

> > Lab Order Number: 3F29013



**Current Certification** 

Report Date: 07/17/23

E	E Tech Environmental & Safety Solutions, Inc. [1]	Project:	DCP sec. 31
1	3000 West County Road 100	Project Number:	17473
0	Ddessa TX, 79765	Project Manager:	Joel Lowry

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW2	3F29013-01	Water	06/21/23 13:30	06-29-2023 13:09
MW4	3F29013-02	Water	06/21/23 12:46	06-29-2023 13:09
MW5	3F29013-03	Water	06/21/23 11:10	06-29-2023 13:09

8260 BTEX analysis was subcontracted to ALS Houston. Their report is attached after the Chain of Custody These samples were analyzed 2 days after holding time expiration. 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: DCP sec. 31
13000 West County Road 100	Project Number: 17473
Odessa TX, 79765	Project Manager: Joel Lowry

### MW2 3F29013-01 (Water)

	Re	eporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Pe	ermian R	asin Envi	ronmental I	ab. L.P.			
Volatile Organic Compounds	by EPA Method 826	60B							
Benzene	ND 0.	.00500	mg/L	1	P3G1713	07/07/23 13:47	07/07/23 13:47	EPA 8260B	O-04, SUB-13
Ethylbenzene	ND 0.	.00500	mg/L	1	P3G1713	07/07/23 13:47	07/07/23 13:47	EPA 8260B	O-04, SUB-13
m,p-Xylene	ND (	0.0100	mg/L	1	P3G1713	07/07/23 13:47	07/07/23 13:47	EPA 8260B	O-04, SUB-13
o-Xylene	ND 0.	.00500	mg/L	1	P3G1713	07/07/23 13:47	07/07/23 13:47	EPA 8260B	O-04, SUB-13
Toluene	ND 0.	.00500	mg/L	1	P3G1713	07/07/23 13:47	07/07/23 13:47	EPA 8260B	O-04, SUB-13
Xylenes, total (v/v)	ND 0.	.00500	mg/L	1	P3G1713	07/07/23 13:47	07/07/23 13:47	EPA 8260B	O-04, SUB-13

Permian Basin Environmental Lab, L.P.

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Xylenes, total (v/v)

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E Tech Environmental & Safety Solutions,	Inc. [1]			Project:	DCP sec. 31								
13000 West County Road 100			Projec	ct Number:	17473								
Odessa TX, 79765			Projec	t Manager:	Joel Lowry								
				М	W4								
				3F29013-(	02 (Water)								
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes				
	Permian Basin Environmental Lab, L.P.												
Volatile Organic Compounds by EPA	Method	8260B											
Benzene	ND	0.00500	mg/L	1	P3G1713	07/07/23 14:09	07/07/23 14:09	EPA 8260B	O-04, SUB-13				
Ethylbenzene	ND	0.00500	mg/L	1	P3G1713	07/07/23 14:09	07/07/23 14:09	EPA 8260B	O-04, SUB-13				
m,p-Xylene	ND	0.0100	mg/L	1	P3G1713	07/07/23 14:09	07/07/23 14:09	EPA 8260B	O-04, SUB-13				
o-Xylene	ND	0.00500	mg/L	1	P3G1713	07/07/23 14:09	07/07/23 14:09	EPA 8260B	O-04, SUB-13				
Toluene	ND	0.00500	mg/L	1	P3G1713	07/07/23 14:09	07/07/23 14:09	EPA 8260B	O-04, SUB-13				

P3G1713

07/07/23 14:09

ND 0.00500

mg/L

1

Permian Basin Environmental Lab, L.P.

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

07/07/23 14:09

EPA 8260B

O-04, SUB-13 o-Xylene

Toluene

Xylenes, total (v/v)

SUB-13

O-04, SUB-13

O-04, SUB-13

O-04, SUB-13

EPA 8260B

EPA 8260B

EPA 8260B

07/07/23 14:32

07/07/23 14:32

07/07/23 14:32

E Tech Environmental & Safety Solutions, 13000 West County Road 100 Odessa TX, 79765	Inc. [1]		Proje Projec	Project: ct Number: t Manager:	DCP sec. 31 17473 Joel Lowry				
L				M	W5				
				3F29013-	03 (Water)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian I	Basin Env	ironmental I	.ab, L.P.			
Volatile Organic Compounds by EPA	Method	8260B							
Benzene	ND	0.00500	mg/L	1	P3G1713	07/07/23 14:32	07/07/23 14:32	EPA 8260B	O-04, SUB-13
Ethylbenzene	ND	0.00500	mg/L	1	P3G1713	07/07/23 14:32	07/07/23 14:32	EPA 8260B	O-04, SUB-13
m,p-Xylene	ND	0.0100	mg/L	1	P3G1713	07/07/23 14:32	07/07/23 14:32	EPA 8260B	O-04,

mg/L

mg/L

mg/L

1

1

1

P3G1713

P3G1713

P3G1713

07/07/23 14:32

07/07/23 14:32

07/07/23 14:32

ND 0.00500

ND 0.00500

ND 0.00500

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	DCP sec. 31	
13000 West County Road 100	Project Number:	17473	
Odessa TX, 79765	Project Manager:	Joel Lowry	

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

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project: DCP sec. 31
13000 West County Road 100	Project Number: 17473
Odessa TX, 79765	Project Manager: Joel Lowry

#### **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.
O-04	This sample was analyzed outside the EPA recommended holding time.
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

Report Approved By:

Dup

Duplicate

Bun Barron

Date: 7/17/2023

Brent Barron, Laboratory Director/Technical Director

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	DCP sec. 31
13000 West County Road 100	Project Number:	17473
Odessa TX, 79765	Project Manager:	Joel Lowry

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

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

Permian Basin Environmental Lab, L.P.

Project Manager:	B CHAIN OF CL Zach Conder	JSTO	DY RE	CORD AND	ANALYSIS R	EQU Pern 1400 Midl	<i>JEST</i> nian E ) Ran land,	lasir kin Tex	n Envil Hwy as 797	N 1001 101	ental	Lab,	LP	Pro	oject	Nam	ie: ]	F )CP	Phon Se	e: 43	2-686	-7235			Page 9 of 24
Company Name	ETech Environme	nta	(	<u></u>				2 2 1 - 7					_		Pro	oject	#:_	17	43						
Company Address	2617 W. Marla	nd				and the second se		¥	· · · ·					F	Proje	ct Lo	oc:	Lura	41	ea l	20.,	NM	<u>.</u>		
City/State/Zip:	Hobbs, NM 88	240	)		. ·											РО	#: <u>^</u>	200	9-c	84					
Telephone No:	575.396-2378	8			Fax No:	2	575	3	96.	14%	29			Report	For	mat:	. >	( Sta	ndard	ł		FRRP			DES
Sampler Signature	Mund fin	$\geq$			e-mail:		Pn	7	04	tec	che	nv.	00	m	<b></b>				Ana	alvze	For				T-1
(lab use only) ORDER #: 3F2901	3	巍		י/י	. 1			Pres	servation	& <b>#</b> of	Conta	ainers		Matrix											e call)
(Kiuo esen qui) # gry F 1 MW2 2 MW4 3 MW5 	IELD CODE	1 1 Beginning Depth	1 1 Ending Depth	bate Sampled 6/21/23 6·21·23 6·21·23 6·21·23	01:1/	D D D Field Filtered	C C Containers	HNO3 280.ml Poly	DH X X X		Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	None 1L Poly	DW=Drinking Water SL=Sludge	R R S Coundwater S=Soil/Solid NP=Non-Potable Specify Other	TPH by TX 1005 8015B 8015M	Chloride	X X BTEX by 8021B								Rush 24         48         72         (Pleas           ×<         ×
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	Company Name	PBEL															_	Pr	ojec	:t #:_										
	Company Address	: 1400 Rankin HWY	,														_ F	Proje	ect L	.oc:										
	City/State/Zip:	Midland Texas 79	701														_		P	D #: _										
	Telephone No:	432-661-4184					Fax No:										Rep	ort F	orm	at: 2	< St	anda	ırd		] tri	RP		] <sub>NF</sub>	DES	i
	Sampler Signature	: <u>N/A</u>					e-mail:		bre	entba	arron	@pbe	elab	o.com				_					Anal	(70 Fc						<b>r</b>
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ORDER	#:										Prese	vatio	1 & i	# of Co	ontair	ners	Mat	trix												
LAB # (lab use only)		FIELD CODE		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	ICE	HNO <sub>3 250 poly 1</sub>	HCI 3 40mL VOA		NaOH /Ascorbic Acid 250ML Pd Na. S. O.	NONE	NONE 3 AMBER VOAA VIALS	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	BTEX 8021B TOTAL CALC										24 HOUR	STANDARD
	31	F29013-01				6/21/2023	13:30		3	х		Х					W	V	х							$\Box$		I		Х
	31	F29013-02				6/21/2023	12:46		3	х		х					v	V	х							Ш	┢┻┻	╞		х
	31	F29013-03				6/21/2023	11:10		3	Х		X	_		_	+	v	V	Х		+	┢	$\vdash$	+	╉┛	$\vdash$	┢┷╋	╀		Х
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10450 Stancliff Rd. Suite 210 Houston, TX 77099 T: +1 281 530 5656 F: +1 281 530 5887

July 10, 2023

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

Work Order: HS23070254

Laboratory Results for: 3F29013

Dear Brent Barron,

ALS Environmental received 3 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

alsglobal.com

#### Date: 10-Jul-23

07-Jul-2023 09:20

07-Jul-2023 09:20

# ALS Houston, US

HS23070254-02

HS23070254-03

3F29013-02

3F29013-03

Client: Project: Work Order:	Permian Basin Environme 3F29013 HS23070254	ntal Lab, LP			SAMPLE SUMI	MARY
Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23070254-01	3F29013-01	Water		21-Jun-2023 13:30	07-Jul-2023 09:20	

21-Jun-2023 12:46

21-Jun-2023 11:10

Water

Water

**CASE NARRATIVE** 

#### ALS Houston, US

Client:Permian Basin Environmental Lab, LPProject:3F29013Work Order:HS23070254

# GCMS Volatiles by Method SW8260

#### Batch ID: R440835

• Samples received and run out of hold.

Page 3 of 14

#### **ALS Houston, US**

Client:	Permian Basin Environmental Lab, LP	ANALYTICAL REPORT
Project:	3F29013	WorkOrder:HS23070254
Sample ID:	3F29013-01	Lab ID:HS23070254-01
Collection Date:	21-Jun-2023 13:30	Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES - SW8260C		Method:SW8260				Analyst: PC
Benzene	ND	Н	0.0050	mg/L	1	07-Jul-2023 13:47
Ethylbenzene	ND	Н	0.0050	mg/L	1	07-Jul-2023 13:47
m,p-Xylene	ND	Н	0.010	mg/L	1	07-Jul-2023 13:47
o-Xylene	ND	Н	0.0050	mg/L	1	07-Jul-2023 13:47
Toluene	ND	Н	0.0050	mg/L	1	07-Jul-2023 13:47
Xylenes, Total	ND	Н	0.0050	mg/L	1	07-Jul-2023 13:47
Surr: 1,2-Dichloroethane-d4	104		70-126	%REC	1	07-Jul-2023 13:47
Surr: 4-Bromofluorobenzene	94.1		82-124	%REC	1	07-Jul-2023 13:47
Surr: Dibromofluoromethane	98.7		77-123	%REC	1	07-Jul-2023 13:47
Surr: Toluene-d8	106		82-127	%REC	1	07-Jul-2023 13:47

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

#### **ALS Houston, US**

Client:	Permian Basin Environmental Lab, LP	ANALYTICAL REPORT
Project:	3F29013	WorkOrder:HS23070254
Sample ID:	3F29013-02	Lab ID:HS23070254-02
Collection Date:	21-Jun-2023 12:46	Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES - SW8260C		Method:SW8260				Analyst: PC
Benzene	ND	Н	0.0050	mg/L	1	07-Jul-2023 14:09
Ethylbenzene	ND	Н	0.0050	mg/L	1	07-Jul-2023 14:09
m,p-Xylene	ND	Н	0.010	mg/L	1	07-Jul-2023 14:09
o-Xylene	ND	Н	0.0050	mg/L	1	07-Jul-2023 14:09
Toluene	ND	Н	0.0050	mg/L	1	07-Jul-2023 14:09
Xylenes, Total	ND	Н	0.0050	mg/L	1	07-Jul-2023 14:09
Surr: 1,2-Dichloroethane-d4	102		70-126	%REC	1	07-Jul-2023 14:09
Surr: 4-Bromofluorobenzene	95.2		82-124	%REC	1	07-Jul-2023 14:09
Surr: Dibromofluoromethane	98.2		77-123	%REC	1	07-Jul-2023 14:09
Surr: Toluene-d8	109		82-127	%REC	1	07-Jul-2023 14:09

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

#### **ALS Houston, US**

Client:	Permian Basin Environmental Lab, LP	ANALYTICAL REPORT
Project:	3F29013	WorkOrder:HS23070254
Sample ID:	3F29013-03	Lab ID:HS23070254-03
Collection Date:	21-Jun-2023 11:10	Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES - SW8260C		Method:SW8260				Analyst: PC
Benzene	ND	Н	0.0050	mg/L	1	07-Jul-2023 14:32
Ethylbenzene	ND	Н	0.0050	mg/L	1	07-Jul-2023 14:32
m,p-Xylene	ND	Н	0.010	mg/L	1	07-Jul-2023 14:32
o-Xylene	ND	Н	0.0050	mg/L	1	07-Jul-2023 14:32
Toluene	ND	Н	0.0050	mg/L	1	07-Jul-2023 14:32
Xylenes, Total	ND	Н	0.0050	mg/L	1	07-Jul-2023 14:32
Surr: 1,2-Dichloroethane-d4	104		70-126	%REC	1	07-Jul-2023 14:32
Surr: 4-Bromofluorobenzene	93.5		82-124	%REC	1	07-Jul-2023 14:32
Surr: Dibromofluoromethane	98.5		77-123	%REC	1	07-Jul-2023 14:32
Surr: Toluene-d8	108		82-127	%REC	1	07-Jul-2023 14:32

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

# Received by OCD: 4/1/2024 12:37:07 PM

Date: 10-Jul-23

Client: Project: WorkOrder:	Permian Basin 3F29013 HS23070254	Environmental Lab, LP			DATES RE	PORT
Sample ID	Client Samp ID	t Samp ID Collection Date Leachate Date		Prep Date	Analysis Date	DF
Batch ID: R4408	35 ( 0 ) <b>Test Na</b>	me: VOLATILES - SW8260	с		Matrix: Water	
HS23070254-01	3F29013-01	21 Jun 2023 13:30			07 Jul 2023 13:47	1
HS23070254-02	3F29013-02	21 Jun 2023 12:46			07 Jul 2023 14:09	1
HS23070254-03	3F29013-03	21 Jun 2023 11:10			07 Jul 2023 14:32	1

**QC BATCH REPORT** 

#### ALS Houston, US

Toluene

Xylenes, Total

Surr: Toluene-d8

Surr: 1,2-Dichloroethane-d4

Surr: 4-Bromofluorobenzene

Surr: Dibromofluoromethane

Client:	Permian Basin Environmental Lab, LP
Project:	3F29013
WorkOrder:	HS23070254

Batch ID: R440	0835(0)	In	strumen	it: \	VOA9	9 Method: VOLATILES - SW8260C										
MBLK	Sample ID:	VBLKW-230707			Units:	ug/L	Ana	alysis Date:	07-Jul-2023	13:02						
Client ID:			Run ID:	VOAS	9_440835	SeqNo: 7409148		PrepDate:		DF: <b>1</b>						
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-Dichlore	oethane-d4	51.91		0	50	0	104	70 - 130								
Surr: 4-Bromoflue	orobenzene	48.02		0	50	0	96.0	82 - 115								
Surr: Dibromoflue	oromethane	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	Ana	alysis Date:	07-Jul-2023	12:17						
Client ID:			Run ID:	VOAS	9_440835	SeqNo: 7	409147	PrepDate:		DF: <b>1</b>						
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								

20

60

50

50

50

50

0

0

0

0

0

0

109

112

112

104

109

103

77 - 118

75 - 122

70 - 130

82 - 115

73 - 126

81 - 120

21.76

67.35

56.24

52.1

54.38

51.35

5.0

5.0

0

0

0

0

**QC BATCH REPORT** 

#### ALS Houston, US

Client:	Permian Basin Environmental Lab, LP
Project:	3F29013
WorkOrder:	HS23070254

Batch ID: R4408	335(0)	Instrument: VOA9 Method: VOLATILES - SW8260C													
MS	Sample ID:	HS23070249-01MS		Ur	nits: <b>ug/L</b>		Ana	lysis Date:	07-Jul-2023 16:01						
Client ID:		Rur	ID: <b>V</b>	VOA9_440835		o: <b>7409</b>	9156	PrepDate:	DF: <b>1</b>						
Analyte		Result	PQ	L SPK Va	SPK R al Value	ef %	REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual					
Benzene		20.9	5.	0 2	0	0	104	70 - 127							
Ethylbenzene		22.29	5.	0 2	0	0	111	70 - 124							
m,p-Xylene		45.92	1	0 4	0	0	115	70 - 130							
o-Xylene		22.35	5.	0 2	0	0	112	70 - 124							
Toluene		22.33	5.	0 2	0	0	112	70 - 123							
Xylenes, Total		68.27	5.	0 6	0	0	114	70 - 130							
Surr: 1,2-Dichloroe	ethane-d4	50.11		0 5	0	0	100	70 - 126							
Surr: 4-Bromofluor	robenzene	49.54		0 5	0	0	99.1	82 - 124							
Surr: Dibromofluor	romethane	49.61		0 5	0	0	99.2	77 - 123							
Surr: Toluene-d8		56.11		0 5	0	0	112	82 - 127							

MSD Sample	ID: HS23070249-01MSD		Units: <b>u</b>	g/L	Ana	lysis Date:	07-Jul-2023	16:24
Client ID:	Run	Run ID: VOA9_44		SeqNo: 7	409157	PrepDate:		DF: <b>1</b>
Analyte	Result	Result PQL SP		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-Bromofluorobenzen	e 50.6	0	50	0	101	82 - 124	49.54	2.12 20
Surr: Dibromofluoromethan	e 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 a	nalyzed in this batch: HS2307	0254-01	HS23070254-0	02 1	HS230702:	54-03		

# Received by OCD: 4/1/2024 12:37:07 PM

Date:	10-Jul-23
Duto.	10 001 20

ALS Houston,	US	Date: 10-Jul-23
Client: Project: WorkOrder:	Permian Basin Environmental Lab, LP 3F29013 <b>HS23070254</b>	QUALIFIERS, ACRONYMS, UNITS
Qualifier	Description	
*	Value exceeds Regulatory Limit	
а	Not accredited	
В	Analyte detected in the associated Method Blank above the Reporting Limit	
E	Value above quantitation range	
Н	Analyzed outside of Holding Time	
J	Analyte detected below quantitation limit	
Μ	Manually integrated, see raw data for justification	
n	Not offered for accreditation	
ND	Not Detected at the Reporting Limit	
0	Sample amount is > 4 times amount spiked	
Ρ	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	
<u>Unit Report</u> ed	Description	
mg/L	Milligrams per Liter	

# ALS Houston, US

Date: 10-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: 10-Jul-23

Work Order ID: HS23070254				Time Received:	Sample Receipt Checklis							
Client Name:	Permian Basin Lab		Recei	ved by:	Paresh M. Giga							
Completed By:	/S/ Ragen Giga	07-Jul-2023 10:57	Reviewed by: /S/	Anna Kinchen	10-Jul-2023 09:54							
eSignature Date/Time				eSignature	Date/Time							
Matrices:	water		Carrier name:	<u>FedEx Prio</u>	rity Overnight							
Shipping contai Custody seals in Custody seals in VOA/TX1005/T. Chain of custod Chain of custod Samplers name Chain of custod Samples in prop Sample contain Sufficient samp All samples reco	ner/cooler in good condition? ntact on shipping container/co ntact on sample bottles? X1006 Solids in hermetically s y present? y signed when relinquished ar present on COC? y agrees with sample labels? per container/bottle? ers intact? le volume for indicated test? eived within holding time?	oler? ealed vials? nd received?	Yes Ves Ves Ves Ves Ves Ves Ves Ves Ves V	No  No  No  No  No  No  No  No  No  No	Not Present Not Present Not Present Not Present 1 Page(s)							
Container/Temp Temperature(s)	<ul> <li>Blank temperature in complia</li> <li>/Thermometer(s):</li> </ul>	ance?	res 🔽	NO	IR31							
Cooler(s)/Kit(s):			Red									
Date/Time sam	ple(s) sent to storage:		07/07/2023 11:30									
Water - VOA via Water - pH acco pH adjusted? pH adjusted by:	als have zero headspace? eptable upon receipt?		Yes Yes Yes	No  No  No  Vo	No VOA vials submitted							
Login Notes:	Proceed with analyses (samp	le past Hold Time)										
Client Contacte	d:	Date Contacted:		Person Con	tacted:							
Contacted By:		Regarding:										
Comments: Corrective Actic	on:											

P	BELA	B	CHAIN OF C	CUSTODY RECORD AND ANALYSIS REQUEST Permian Basin Environmental Lab, 1400 Rankin HWY Midland, Jacoba 20201				Permian Basin Environmental Lab, LP 3F29013 ab,																						
	Project Manager:	Brent Barr	ron					M10	diar	na, ·	exas	79																		
	Company Name	PBEL																Р	rojec	:t #:										
	Company Address	: 1400 Ran	kin HWY															Proi	əct L	.00:										
	City/State/Zip:	Midland T	exas 79701																P	- D#:										
	Telephone No:	432-661-4	184				Fax No:										Rep	ort F	orm	iat: .	x s	tanda	ird	[	 ] tf	RP	£		DE	s
	Sampler Signature	e N/A					e-mail:		bre	entica	mon@	) pbe	elab.	com																
<b></b>	<u>.</u> ·	· · · ·																_	F		1		Anal	yze Fr	or:					Τ
ORDER	#:										reserv	atior	n & #	ofCor	ntaine	(5	Ma	trix	}					ĺ						
LAB # (lab use only)		FIELD CODE		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	fotal #. of Containers	ICE	HNO <sub>3 250 poly 1</sub>		N2OH / ASCORDIC ACID 250ML P	Na <sub>2</sub> S,O <sub>3</sub>	NONE	NONE 3 AMBER VOAA VIALS	DW-Drinking Water SL-Sludge	a va seconowster 3=200.500 XP+Non-Potable Specify Other	BTEX 80218 TOTAL CALC										24 HOUR	STANDARD
	31	-29013-01				6/21/2023	13:30		3	x	)	4					V	V.	x			L			$\Box$	$\Box$		T	$\Box$	
<b> </b>	31	-29013-02		<u> </u>	<u> </u>	6/21/2023	12:46		3	X		4		_	L		۷	V	X			-		$\downarrow$	+	$\left  \cdot \right $	-		╞	×
	31	-29013-03		<b> </b>	<b> -</b>	6/21/2023	11:10	<u> </u>	3	X	'	4	_				V	V	X		_	+	$\left  \right $	_	+	++	+	+	╞	<u> ×</u>
	$\hat{\Gamma}$	<u></u>	··· =···· = •·= == ,									╈	+-									+	$\mathbb{H}$	+	+		+	+		
	(20)	5.83																												
		4310	2401	<u> </u>																										
SPECIAL Relinqui Brent Ba	INSTRUCTIONS: <u>REP</u> ished by: arron	DRT TO MDL F	Date	55 OF 1	ne DO	TIME Received by:	-71-12	2			2		 J.			Dat	e	Ti	me	Labo Samy VOC: Labe Cust	ratory le Co Free Is on c ody se	Com Intelne of He Dintall als on	ment Its Int adspa ner(s) cont	s: act? lice? aineri	(s)		¥ Y ¥ Y		N N N N N	
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PERMIAN BASIN ENVIRONMENTAL LAB, LP 1400 Rankin Hwy Midland, TX 79701



# Analytical Report

# **Prepared for:**

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

> Project: Plains-DCP Sec. 31 Project Number: 17473 Location: Lea County, NM

Lab Order Number: 3I19025



**Current Certification** 

Report Date: 09/22/23

E Tech Environmental & Safety Solutions, Inc. [1]	Project: P	Plains-DCP Sec. 31
13000 West County Road 100	Project Number: 1	7473
Odessa TX, 79765	Project Manager: Jo	oel Lowry

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	3I19025-01	Water	09/19/23 08:00	09-19-2023 14:16
MW-3	3I19025-02	Water	09/19/23 08:30	09-19-2023 14:16
MW-4	3I19025-03	Water	09/19/23 09:00	09-19-2023 14:16
MW-5	3I19025-04	Water	09/19/23 09:30	09-19-2023 14:16
MW-6	3I19025-05	Water	09/19/23 10:30	09-19-2023 14:16

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	Plains-DCP Sec. 31
13000 West County Road 100	Project Number:	17473
Odessa TX, 79765	Project Manager:	Joel Lowry

# MW-2

3I19025-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
Permian Basin Environmental Lab, L.P.										
Organics by GC										
Benzene	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 08:39	EPA 8021B		
Toluene	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 08:39	EPA 8021B		
Ethylbenzene	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 08:39	EPA 8021B		
Xylene (p/m)	ND	0.00200	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 08:39	EPA 8021B		
Xylene (o)	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 08:39	EPA 8021B		
Surrogate: 4-Bromofluorobenzene		92.4 %	80-120		P3I2010	09/20/23 10:20	09/21/23 08:39	EPA 8021B		
Surrogate: 1,4-Difluorobenzene		96.7 %	80-120		P3I2010	09/20/23 10:20	09/21/23 08:39	EPA 8021B		

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, 13000 West County Road 100 Odessa TX, 79765		Project Project	Project: et Number: t Manager:	Plains-DCP S 17473 Joel Lowry	Sec. 31				
				MV 3119025-0	W-3 2 (Water)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental I	lab, L.P.			
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 09:02	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 09:02	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 09:02	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 09:02	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 09:02	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		90.9 %	80-120		P3I2010	09/20/23 10:20	09/21/23 09:02	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		95.2 %	80-120		P3I2010	09/20/23 10:20	09/21/23 09:02	EPA 8021B	

Permian Basin Environmental Lab, L.P.
E Tech Environmental & Safety Solutions, I 13000 West County Road 100 Odessa TX, 79765	nc. [1]		Projec Project	Project: t Number: Manager:	Plains-DCP 17473 Joel Lowry	Sec. 31			
			í	MV 3119025-0	W-4 )3 (Water)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental l	Lab, L.P.			
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3I2104	09/21/23 09:38	09/21/23 13:10	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3I2104	09/21/23 09:38	09/21/23 13:10	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3I2104	09/21/23 09:38	09/21/23 13:10	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3I2104	09/21/23 09:38	09/21/23 13:10	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3I2104	09/21/23 09:38	09/21/23 13:10	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		92.9 %	80-120		P3I2104	09/21/23 09:38	09/21/23 13:10	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		95.8 %	80-120		P3I2104	09/21/23 09:38	09/21/23 13:10	EPA 8021B	

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Ir 13000 West County Road 100 Odessa TX, 79765	nc. [1]		Projec Project	Project: t Number: Manager:	Plains-DCP S 17473 Joel Lowry	Sec. 31			
				MV 3110025 0	N-5 M (Water)				
				5117025-0	(water)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental l	Lab, L.P.			
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3I2104	09/21/23 09:38	09/21/23 13:33	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3I2104	09/21/23 09:38	09/21/23 13:33	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3I2104	09/21/23 09:38	09/21/23 13:33	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3I2104	09/21/23 09:38	09/21/23 13:33	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3I2104	09/21/23 09:38	09/21/23 13:33	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		92.0 %	80-120		P3I2104	09/21/23 09:38	09/21/23 13:33	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		95.9 %	80-120		P3I2104	09/21/23 09:38	09/21/23 13:33	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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E Tech Environmental & Safety Solutions	s, Inc. [1]			Project:	Plains-DCP S	Sec. 31			
13000 West County Road 100			Projec	t Number:	17473				
Odessa TX, 79765			Project	t Manager:	Joel Lowry				
				MV	W-6				
				3119025-(	95 (Water)				
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	Basin Envi	ironmental l	Lab, L.P.			
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3I2104	09/21/23 09:38	09/21/23 13:57	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3I2104	09/21/23 09:38	09/21/23 13:57	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3I2104	09/21/23 09:38	09/21/23 13:57	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3I2104	09/21/23 09:38	09/21/23 13:57	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3I2104	09/21/23 09:38	09/21/23 13:57	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		94.5 %	80-120		P3I2104	09/21/23 09:38	09/21/23 13:57	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		95.6 %	80-120	1	P3I2104	09/21/23 09:38	09/21/23 13:57	EPA 8021B	

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Plains-DCP Sec. 31
13000 West County Road 100	Project Number: 17473
Odessa TX, 79765	Project Manager: Joel Lowry

Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P3I2010 - *** DEFAULT PREP ***										
Blank (P3I2010-BLK1)				Prepared: 0	9/20/23 Ai	nalyzed: 09	/21/23			
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	0.111		"	0.120		92.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.5	80-120			
LCS (P3I2010-BS1)				Prepared &	Analyzed:	09/20/23				
Benzene	0.0976	0.00100	mg/L	0.100		97.6	80-120			
Toluene	0.0931	0.00100		0.100		93.1	80-120			
Ethylbenzene	0.0956	0.00100		0.100		95.6	80-120			
Xylene (p/m)	0.191	0.00200		0.200		95.5	80-120			
Xylene (o)	0.0844	0.00100		0.100		84.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.1	80-120			
LCS Dup (P3I2010-BSD1)				Prepared: 0	9/20/23 Ai	nalyzed: 09	/21/23			
Benzene	0.0941	0.00100	mg/L	0.100		94.1	80-120	3.63	20	
Toluene	0.0902	0.00100		0.100		90.2	80-120	3.11	20	
Ethylbenzene	0.0935	0.00100		0.100		93.5	80-120	2.17	20	
Xylene (p/m)	0.186	0.00200		0.200		93.1	80-120	2.55	20	
Xylene (o)	0.0817	0.00100		0.100		81.7	80-120	3.28	20	
Surrogate: 4-Bromofluorobenzene	0.110		"	0.120		92.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.2	80-120			
Calibration Blank (P3I2010-CCB1)				Prepared &	Analyzed:	09/20/23				
Benzene	0.0900		ug/l							
Toluene	0.0500									
Ethylbenzene	0.0900									
Xylene (p/m)	0.100									
Xylene (o)	0.0800		"							
Surrogate: 4-Bromofluorobenzene	0.107		"	0.120		89.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.5	80-120			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Plains-DCP Sec. 31
13000 West County Road 100	Project Number: 17473
Odessa TX, 79765	Project Manager: Joel Lowry

Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P3I2010 - *** DEFAULT PREP ***										
Calibration Blank (P3I2010-CCB2)				Prepared: (	09/20/23 At	nalyzed: 09	/21/23			
Benzene	0.130		ug/l							
Toluene	0.100		"							
Ethylbenzene	0.0500		"							
Xylene (p/m)	0.0800									
Xylene (o)	0.100									
Surrogate: 4-Bromofluorobenzene	0.110		"	0.120		91.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.5	80-120			
Calibration Check (P3I2010-CCV1)				Prepared &	Analyzed:	09/20/23				
Benzene	0.0897	0.00100	mg/L	0.100		89.7	80-120			
Toluene	0.0933	0.00100	"	0.100		93.3	80-120			
Ethylbenzene	0.0956	0.00100	"	0.100		95.6	80-120			
Xylene (p/m)	0.200	0.00200	"	0.200		99.9	80-120			
Xylene (o)	0.0912	0.00100		0.100		91.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.110		"	0.120		91.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.4	80-120			
Calibration Check (P3I2010-CCV2)				Prepared: (	09/20/23 Ai	nalyzed: 09	/21/23			
Benzene	0.0881	0.00100	mg/L	0.100		88.1	80-120			
Toluene	0.0941	0.00100		0.100		94.1	80-120			
Ethylbenzene	0.0974	0.00100	"	0.100		97.4	80-120			
Xylene (p/m)	0.202	0.00200	"	0.200		101	80-120			
Xylene (o)	0.0931	0.00100		0.100		93.1	80-120			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		90.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.4	80-120			
Calibration Check (P3I2010-CCV3)				Prepared: (	09/20/23 At	nalyzed: 09	/21/23			
Benzene	0.0894	0.00100	mg/L	0.100		89.4	80-120			
Toluene	0.0943	0.00100	"	0.100		94.3	80-120			
Ethylbenzene	0.0978	0.00100		0.100		97.8	80-120			
Xylene (p/m)	0.201	0.00200		0.200		100	80-120			
Xylene (o)	0.0924	0.00100		0.100		92.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.110		"	0.120		91.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.4	80-120			

Permian Basin Environmental Lab, L.P.

E	E Tech Environmental & Safety Solutions, Inc. [1]	Project:	Plains-DCP Sec. 31
1	3000 West County Road 100	Project Number:	17473
0	Ddessa TX, 79765	Project Manager:	Joel Lowry

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

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

#### Batch P3I2010 - \*\*\* DEFAULT PREP \*\*\*

Matrix Spike (P3I2010-MS1)	Sour	-ce: 3I15006-0	01	Prepared: 0	9/20/23 A	nalyzed: 09	9/21/23			
Benzene	0.0991	0.00100	mg/L	0.100	ND	99.1	80-120			
Toluene	0.0910	0.00100	"	0.100	ND	91.0	80-120			
Ethylbenzene	0.0932	0.00100	"	0.100	ND	93.2	80-120			
Xylene (p/m)	0.182	0.00200	"	0.200	ND	91.1	80-120			
Xylene (o)	0.0792	0.00100		0.100	ND	79.2	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	0.100		"	0.120		83.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		94.8	80-120			
Matrix Spike Dup (P3I2010-MSD1)	Sour	·ce: 3I15006-0	01	Prepared: 0	9/20/23 A	nalyzed: 09	9/21/23			
Benzene	0.0913	0.00100	mg/L	0.100	ND	91.3	80-120	8.21	20	
Toluene	0.0865	0.00100	"	0.100	ND	86.5	80-120	5.00	20	
Ethylbenzene	0.0887	0.00100	"	0.100	ND	88.7	80-120	4.97	20	
Xylene (p/m)	0.175	0.00200	"	0.200	ND	87.7	80-120	3.81	20	
Xylene (o)	0.0759	0.00100		0.100	ND	75.9	80-120	4.32	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.102		"	0.120		85.0	80-120			
Surrogate: 1.4-Difluorobenzene	0.113		"	0.120		94.4	80-120			

#### Batch P3I2104 - \*\*\* DEFAULT PREP \*\*\*

Blank (P3I2104-BLK1)				Prepared & Analy	/zed: 09/21/23		
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	0.111		"	0.120	92.4	80-120	
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120	95.8	80-120	

Permian Basin Environmental Lab, L.P.

E	Tech Environmental & Safety Solutions, Inc. [1]	Project:	Plains-DCP Sec. 31
13	3000 West County Road 100	Project Number:	17473
00	dessa TX, 79765	Project Manager:	Joel Lowry

Permian	Basin	Environmental	Lab,	L.P.
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		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P3I2104 - *** DEFAULT PREP ***										
LCS (P3I2104-BS1)				Prepared &	Analyzed:	09/21/23				
Benzene	0.0985	0.00100	mg/L	0.100	•	98.5	80-120			
Toluene	0.0957	0.00100		0.100		95.7	80-120			
Ethylbenzene	0.101	0.00100		0.100		101	80-120			
Xylene (p/m)	0.198	0.00200	"	0.200		99.1	80-120			
Xylene (o)	0.0869	0.00100		0.100		86.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.110		"	0.120		91.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.3	80-120			
LCS Dup (P312104-BSD1)				Prepared &	Analyzed:	09/21/23				
Benzene	0.0946	0.00100	mg/L	0.100		94.6	80-120	4.13	20	
Toluene	0.0912	0.00100	"	0.100		91.2	80-120	4.87	20	
Ethylbenzene	0.0956	0.00100	"	0.100		95.6	80-120	5.12	20	
Xylene (p/m)	0.189	0.00200	"	0.200		94.5	80-120	4.80	20	
Xylene (o)	0.0829	0.00100	"	0.100		82.9	80-120	4.75	20	
Surrogate: 4-Bromofluorobenzene	0.111		"	0.120		92.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.9	80-120			
Calibration Blank (P3I2104-CCB1)				Prepared &	Analyzed:	09/21/23				
Benzene	0.0900		ug/l							
Toluene	0.130		"							
Ethylbenzene	0.0700									
Xylene (p/m)	0.100		"							
Xylene (o)	0.120									
Surrogate: 4-Bromofluorobenzene	0.110		"	0.120		91.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.8	80-120			
Calibration Blank (P3I2104-CCB2)				Prepared &	Analyzed:	09/21/23				
Benzene	0.120		ug/l							
Toluene	0.130									
Ethylbenzene	0.0900									
Xylene (p/m)	0.0900									
Xylene (o)	0.140		"							
Surrogate: 4-Bromofluorobenzene	0.110		"	0.120		92.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.4	80-120			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	Plains-DCP Sec. 31
13000 West County Road 100	Project Number:	17473
Odessa TX, 79765	Project Manager:	Joel Lowry

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P3I2104 - *** DEFAULT PREP ***										
Calibration Check (P3I2104-CCV1)				Prepared &	Analyzed:	09/21/23				
Benzene	0.0891	0.00100	mg/L	0.100		89.1	80-120			
Toluene	0.0947	0.00100	"	0.100		94.7	80-120			
Ethylbenzene	0.0990	0.00100	"	0.100		99.0	80-120			
Xylene (p/m)	0.204	0.00200	"	0.200		102	80-120			
Xylene (o)	0.0931	0.00100	"	0.100		93.1	80-120			
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		90.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		96.0	80-120			
Calibration Check (P3I2104-CCV2)				Prepared &	Analyzed:	09/21/23				
Benzene	0.0881	0.00100	mg/L	0.100		88.1	80-120			
Toluene	0.0932	0.00100	"	0.100		93.2	80-120			
Ethylbenzene	0.0958	0.00100	"	0.100		95.8	80-120			
Xylene (p/m)	0.197	0.00200	"	0.200		98.6	80-120			
Xylene (o)	0.0914	0.00100	"	0.100		91.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		90.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.1	80-120			
Calibration Check (P3I2104-CCV3)				Prepared &	Analyzed:	09/21/23				
Benzene	0.0878	0.00100	mg/L	0.100		87.8	80-120			
Toluene	0.0907	0.00100	"	0.100		90.7	80-120			
Ethylbenzene	0.0932	0.00100	"	0.100		93.2	80-120			
Xylene (p/m)	0.194	0.00200	"	0.200		96.8	80-120			
Xylene (o)	0.0889	0.00100	"	0.100		88.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.107		"	0.120		89.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.6	80-120			
Matrix Spike (P3I2104-MS1)	Sou	urce: 3I19025-(	03	Prepared &	Analyzed:	09/21/23				
Benzene	0.0913	0.00100	mg/L	0.100	ND	91.3	80-120			
Toluene	0.0883	0.00100	"	0.100	ND	88.3	80-120			
Ethylbenzene	0.0922	0.00100	"	0.100	ND	92.2	80-120			
Xylene (p/m)	0.183	0.00200	"	0.200	ND	91.6	80-120			
Xylene (o)	0.0799	0.00100	"	0.100	ND	79.9	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		90.8	80-120			
Surrogate: 1.4-Difluorobenzene	0.114		"	0.120		95.2	80-120			

Permian Basin Environmental Lab, L.P.

# E Tech Environmental & Safety Solutions, Inc. [1]Project: Plains-DCP Sec. 3113000 West County Road 100Project Number: 17473Odessa TX, 79765Project Manager: Joel Lowry

### **Organics by GC - Quality Control**

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

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

# Batch P312104 - \*\*\* DEFAULT PREP \*\*\*

Matrix Spike Dup (P3I2104-MSD1)	Sour	rce: 3I19025-0	)3	Prepared &	Analyzed	: 09/21/23				
Benzene	0.0862	0.00100	mg/L	0.100	ND	86.2	80-120	5.72	20	
Toluene	0.0806	0.00100	"	0.100	ND	80.6	80-120	9.12	20	
Ethylbenzene	0.0832	0.00100	"	0.100	ND	83.2	80-120	10.2	20	
Xylene (p/m)	0.165	0.00200	"	0.200	ND	82.4	80-120	10.6	20	
Xylene (o)	0.0713	0.00100	"	0.100	ND	71.3	80-120	11.4	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.107		"	0.120		88.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		96.1	80-120			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	Plains-DCP Sec. 31
13000 West County Road 100	Project Number:	17473
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 CO Chain of Custody was not generated at PBELAB
- DET Analyte DETECTED
- Analyte NOT DETECTED at or above the reporting limit ND
- NR Not Reported
- Sample results reported on a dry weight basis dry
- Relative Percent Difference RPD
- LCS Laboratory Control Spike
- MS Matrix Spike
- Duplicate Dup

Report Approved By:

nen Barron

Date: 9/22/2023

Brent Barron, Laboratory Director/Technical Director

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

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

Permian Basin Environmental Lab, L.P.

Project: Plains-DCP Sec. 31 Project Number: 17473 Project Manager: Joel Lowry

Permian Basin Environmental Lab, L.P.

Page 84 of 202	BRIA Project Manager: Company Name Company Address:	CHAIN OF C   Joel Lowry   Plains All American Pip   1106 Griffith Drive	CUSTC	DDY R	ECORD AND	O ANALYSIS	REC Per 140 Mic	QUE mia DO R dian	EST In Bas Ranki Ind, Te	sin n H )xas	Enviro Wy s 797(	onme 01		.ab, L	l/( Pro Pro	ject N Proj roject	Nam Ject t Lo	e: [ #:	DCP : 17	Phon Sec. 747 punty,	e: 43 31 3 NM	2-686	-7235				Page 16 of 16
	City/State/Zip:	Midland, TX 79706										4					PO	#:	20	09	-0	180	1		_		
	Telephone No:	5 17 318.17	73	5		Fax No		-		-		A.			Report	Form	nat:	X	Sta	andaro	ł	П	RRP	L	] NP	DES	
	Sampler Signature:	Miguel Ramirez				e-mail:		pm	@et	ech	nenv.c	om	-	_		-	-	-		Ana	ilyze F	or:	_				
(lab use o	e#: 3I 1902	5			4				Pre	esen	vation &	# of C	Contain	ers	Matrix	015M				Π						lease call)	
LAB # (lab use only)	FII	ELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	lce	HNU3 260,ml Poly	HCI H <sub>2</sub> SO <sub>4</sub>	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> None 11 Polv	NaOH/ZnAc	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Soild NP=Non-Potable Specify Other	TPH by TX 1005 8015B 80	Chloride	BIEA BY SUZIB								Rush 24 48 72 (P	Standard
1	MW2				9/19/23	08:00		3	X		X				Gw			X				$\square$				П	X
2	MW3		-	-	9/19/23	00:30		32	X	-	X	$\left  \right $	+	Н	GW	$\vdash$	R	4	+	++	+	++	+	$\vdash$	+	++	X
4	MUS		-	-	5/19/23	9130		2	X	+	X		-	+	64	$\vdash$	-4	Ì	+		+	++	+		+-	+	X
5	MWb				9/14/23	10:30		3	X		X.		1		GW		1	Č			1	$\square$	1		1		×
N			+	-			+		+	+		1	-	+			+	+	+	$\left  \right $	+	+	+	++	+	+	-
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Special	Instructions:		1		1	1				1							L	abo	rator	y Con	Imen	ts:					-
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December 27, 2023

### Plains All American Pipeline - ETECH

Sample Delivery Group: Samples Received: Project Number: Description:

L1686256 12/09/2023 SRS #2009-084 DCP Plant to Lea Station 6" Section 31

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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PROJECT: SRS #2009-084

SDG: L1686256

DATE/TIME: 12/27/23 08:32 PAGE: 1 of 15

Ср Тс Ss Cn Sr Qc Gl AI Sc

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SDG: L1686256

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# SAMPLE SUMMARY

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Ср

Tc

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		Collected by	Collected date/time	Received da	ite/time
			12/07/23 09:25	12/09/23 09	:00
Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
WG2190177	1	12/15/23 21:50	12/15/23 21:50	ACG	Mt. Juliet, TN
		Collected by	Collected date/time 12/07/23 11:15	Received da 12/09/23 09	te/time :00
Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
WG2190177	1	12/15/23 22:13	12/15/23 22:13	ACG	Mt. Juliet, TN
		Collected by	Collected date/time 12/07/23 12:35	Received da 12/09/23 09	te/time :00
Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
WG2190177	1	12/15/23 22:36	12/15/23 22:36	ACG	Mt. Juliet, TN
		Collected by	Collected date/time 12/07/23 14:00	Received da 12/09/23 09	te/time :00
Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
WG2190177	1	12/15/23 22:58	12/15/23 22:58	ACG	Mt. Juliet, TN
		Collected by	Collected date/time 12/07/23 10:30	Received da 12/09/23 09	ite/time :00
Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
WG2190177	1	12/15/23 23:21	12/15/23 23:21	ACG	Mt. Juliet, TN
		Collected by	Collected date/time 12/07/23 14:01	Received da 12/09/23 09	ite/time :00
Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
WG2190177	1	12/15/23 23:44	12/15/23 23:44	ACG	Mt. Juliet, TN
		Collected by	Collected date/time 12/07/23 00:00	Received da 12/09/23 09	te/time :00
Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
WG2190177	1	12/15/23 13:31	12/15/23 13:31	AV	Mt. Juliet, TN
	Batch   WG2190177   Batch   WG2190177	BatchDilutionWG21901771BatchDilutionWG21901771BatchDilutionWG21901771BatchDilutionWG21901771BatchDilutionWG21901771BatchDilutionWG21901771BatchDilutionWG21901771BatchDilutionWG21901771BatchDilutionWG21901771BatchDilutionWG21901771	BatchDilutionPreparation date/timeWG2190177112/15/23 21:50WG2190177112/15/23 21:50BatchDilutionPreparation date/timeWG2190177112/15/23 22:13Collected byCollected byBatchDilutionPreparation date/timeWG2190177112/15/23 22:36Collected byCollected byBatchDilutionPreparation date/timeWG2190177112/15/23 22:36Collected byCollected byBatchDilutionPreparation date/timeWG2190177112/15/23 22:58Collected byCollected byBatchDilutionPreparation date/timeWG2190177112/15/23 23:21Collected byCollected byBatchDilutionPreparation date/timeWG2190177112/15/23 23:21Collected byCollected byBatchDilutionPreparation date/timeWG2190177112/15/23 23:21Collected byCollected byBatchDilutionPreparation date/timeWG2190177112/15/23 23:44Collected byCollected byBatchDilutionPreparation date/timeWG2190177112/15/23 13:31	Collected byCollected date/time 12/07/23 09:25BatchDilutionPreparation date/timeAnalysis date/timeWG2190177112/15/23 21:5012/15/23 21:50BatchDilutionPreparation date/timeAnalysis date/timeWG2190177112/15/23 22:1312/15/23 22:13BatchDilutionPreparation date/timeAnalysis date/timeWG2190177112/15/23 22:1312/15/23 22:13BatchDilutionPreparation date/timeAnalysis date/timeWG2190177112/15/23 22:3612/15/23 22:36BatchDilutionPreparation date/timeAnalysis date/timeWG2190177112/15/23 22:3612/15/23 22:36BatchDilutionPreparation date/timeAnalysis date/timeWG2190177112/15/23 22:5812/15/23 22:58Collected byCollected date/time 12/07/23 10:30Collected byBatchDilutionPreparation date/timeAnalysis date/timeWG2190177112/15/23 23:2112/15/23 23:21WG2190177112/15/23 23:2112/15/23 23:21BatchDilutionPreparation date/timeAnalysis date/timeWG2190177112/15/23 23:44Collected date/time 12/07/23 14:01BatchDilutionPreparation date/timeAnalysis date/timeWG2190177112/15/23 23:44Collected date/time 12/07/23 00:00BatchDilutionP	Collected byCollected date/time 12/07/23 09:25Received da 12/09/23 09BatchDilutionPreparation date/timeAnalysis date/timeAnalysis date/timeWG2190177112/15/23 21:5012/15/23 21:50ACGCollected byCollected date/time to/07/23 11:15Received da 12/07/23 11:15Received da 12/07/23 11:15BatchDilutionPreparation date/timeAnalysis date/timeAnalysis date/timeWG2190177112/15/23 22:1312/15/23 22:13ACGCollected byCollected date/time to/07/23 12:35Received da 12/07/23 12:3512/15/23 22:36BatchDilutionPreparation date/timeAnalysis date/timeAnalysis date/timeWG2190177112/15/23 22:36ACGCollected byCollected date/time to/07/23 14:00Received da 12/09/23 09BatchDilutionPreparation date/timeAnalysis date/timeAnalysis date/timeWG2190177112/15/23 22:5812/15/23 22:58ACGCollected byCollected date/time to/07/23 10:30Received da 12/09/23 09BatchDilutionPreparation date/timeAnalysis date/timeAnalysis date/timeWG2190177112/15/23 23:2112/15/23 23:21ACGCollected byCollected date/time tdete/timeReceived da 12/09/23 09BatchDilutionPreparation date/timeAnalysis date/timeWG2190177112/15/23 23:21

PROJECT: SRS #2009-084 SDG: L1686256 DATE/TIME: 12/27/23 08:32

IME: 08:32 PAGE: 3 of 15

# 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.

mulp

Lori A Vahrenkamp Project Manager



SDG: L1686256

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#### SAMPLE RESULTS - 02 L1686256

Volatile Organic Compounds (GC) by Method 8021B

								1 ( )
	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	   Ch
Analyte	mg/l		mg/l	mg/l		date / time		2
Benzene	U		0.000190	0.000500	1	12/15/2023 21:50	WG2190177	Tc
Toluene	U		0.000412	0.00100	1	12/15/2023 21:50	WG2190177	
Ethylbenzene	U		0.000160	0.000500	1	12/15/2023 21:50	WG2190177	<sup>3</sup> Cc
Total Xylene	U		0.000510	0.00150	1	12/15/2023 21:50	WG2190177	53
(S) a,a,a-Trifluorotoluene(PID)	103			79.0-125		12/15/2023 21:50	WG2190177	<sup>4</sup> Cn

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# SAMPLE RESULTS - 03

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# Volatile Organic Compounds (GC) by Method $8021 \mathrm{B}$

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l	mg/l		date / time		2
Benzene	U		0.000190	0.000500	1	12/15/2023 22:13	WG2190177	Tc
Toluene	U		0.000412	0.00100	1	12/15/2023 22:13	WG2190177	
Ethylbenzene	U		0.000160	0.000500	1	12/15/2023 22:13	WG2190177	<sup>3</sup> C c
Total Xylene	U		0.000510	0.00150	1	12/15/2023 22:13	WG2190177	55
(S) a,a,a-Trifluorotoluene(PID)	102			79.0-125		12/15/2023 22:13	WG2190177	<sup>4</sup> Cr

<sup>2</sup> Tc
<sup>3</sup> Ss
<sup>4</sup> Cn
⁵Sr
<sup>6</sup> Qc
<sup>7</sup> Gl
<sup>8</sup> Al
<sup>9</sup> Sc

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# SAMPLE RESULTS - 04

Volatile Organic Compounds (GC) by Method 8021B

								I Cin
	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	   Cp
Analyte	mg/l		mg/l	mg/l		date / time		2
Benzene	U		0.000190	0.000500	1	12/15/2023 22:36	WG2190177	Tc
Toluene	U		0.000412	0.00100	1	12/15/2023 22:36	WG2190177	
Ethylbenzene	U		0.000160	0.000500	1	12/15/2023 22:36	WG2190177	<sup>3</sup> Cc
Total Xylene	U		0.000510	0.00150	1	12/15/2023 22:36	WG2190177	55
(S) a,a,a-Trifluorotoluene(PID)	103			79.0-125		12/15/2023 22:36	WG2190177	<sup>4</sup> Cn

DATE/TIME: 12/27/23 08:32

### SAMPLE RESULTS - 05 L1686256

# Volatile Organic Compounds (GC) by Method 8021B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l	mg/l		date / time		2
Benzene	U		0.000190	0.000500	1	12/15/2023 22:58	WG2190177	Tc
Toluene	U		0.000412	0.00100	1	12/15/2023 22:58	WG2190177	
Ethylbenzene	U		0.000160	0.000500	1	12/15/2023 22:58	WG2190177	<sup>3</sup> C c
Total Xylene	U		0.000510	0.00150	1	12/15/2023 22:58	WG2190177	53
(S) a,a,a-Trifluorotoluene(PID)	102			79.0-125		12/15/2023 22:58	WG2190177	<sup>4</sup> Cr

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DATE/TIME: 12/27/23 08:32

### SAMPLE RESULTS - 06 L1686256

# Volatile Organic Compounds (GC) by Method 8021B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l	mg/l		date / time		2
Benzene	U		0.000190	0.000500	1	12/15/2023 23:21	WG2190177	Tc
Toluene	U		0.000412	0.00100	1	12/15/2023 23:21	WG2190177	
Ethylbenzene	U		0.000160	0.000500	1	12/15/2023 23:21	WG2190177	<sup>3</sup> Cc
Total Xylene	U		0.000510	0.00150	1	12/15/2023 23:21	WG2190177	53
(S) a,a,a-Trifluorotoluene(PID)	102			79.0-125		12/15/2023 23:21	WG2190177	<sup>4</sup> Cr

<sup>3</sup> S c
55
<sup>4</sup> Cn
<sup>5</sup> Sr
<sup>6</sup> Qc
<sup>7</sup> Gl
<sup>8</sup> AI
<sup>9</sup> Sc

DATE/TIME: 12/27/23 08:32 PAGE: 9 of 15

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#### SAMPLE RESULTS - 07 L1686256

Volatile Organic Compounds (GC) by Method 8021B

								I Cn
	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l	mg/l		date / time		2
Benzene	U		0.000190	0.000500	1	12/15/2023 23:44	WG2190177	Tc
Toluene	U		0.000412	0.00100	1	12/15/2023 23:44	WG2190177	
Ethylbenzene	U		0.000160	0.000500	1	12/15/2023 23:44	WG2190177	<sup>3</sup> C c
Total Xylene	U		0.000510	0.00150	1	12/15/2023 23:44	WG2190177	55
(S) a,a,a-Trifluorotoluene(PID)	102			79.0-125		12/15/2023 23:44	WG2190177	<sup>4</sup> Cn

DATE/TIME: 12/27/23 08:32

#### SAMPLE RESULTS - 08 L1686256

Volatile Organic Compounds (GC) by Method 8021B

Volatile Organic Compounds (GC) by Method 8021B								
	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	Cp
Analyte	mg/l		mg/l	mg/l		date / time		2
Benzene	U		0.000190	0.000500	1	12/15/2023 13:31	WG2190177	Tc
Toluene	0.000632	J	0.000412	0.00100	1	12/15/2023 13:31	WG2190177	
Ethylbenzene	U		0.000160	0.000500	1	12/15/2023 13:31	WG2190177	<sup>3</sup> Sc
Total Xylene	U		0.000510	0.00150	1	12/15/2023 13:31	WG2190177	53
(S) a,a,a-Trifluorotoluene(PID)	102			79.0-125		12/15/2023 13:31	WG2190177	<sup>4</sup> Cn

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DATE/TIME: 12/27/23 08:32 Volatile Organic Compounds (GC) by Method 8021B

# QUALITY CONTROL SUMMARY

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### Method Blank (MB)

(MB) R4013233-3 12/15/	MB) R4013233-3 12/15/23 11:15						
	MB Result	MB Qualifier	MB MDL	MB RDL			
Analyte	mg/l		mg/l	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)	102			79.0-125			

# Laboratory Control Sample (LCS)

#### (LCS) R4013233-1 12/15/23 10:07

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier	
Analyte	mg/l	mg/l	%	%		
Benzene	0.0500	0.0471	94.2	77.0-122		
Toluene	0.0500	0.0433	86.6	80.0-121		
Ethylbenzene	0.0500	0.0483	96.6	80.0-123		
Total Xylene	0.150	0.139	92.7	47.0-154		
(S) a,a,a-Trifluorotoluene(PID)			101	79.0-125		

SDG: L1686256 DATE/TIME: 12/27/23 08:32

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#### Guide to Reading and Understanding Your Laboratory Report

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

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

#### Abbreviations and Definitions

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

J

The identification of the analyte is acceptable; the reported value is an estimate.

SDG: L1686256

# Received by OCD: 4/1/2024 12:37:07 PM CCREDITATIONS & LOCATIONS

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Pace Analytical Nati	onal 12065 Lebanon Rd Mo	ount 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 <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
lowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky <sup>16</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>14</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	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		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> 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.

SDG: L1686256 DATE/TIME: 12/27/23 08:32

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Company Name/Address:			Billing Info	ormation:		T	1		Analy	sis / Cont	ainer / Preservative		Chain of Custor	y Page of
Plains All American Pip PO Box 62228 Midland, TX 79711	oeline - ET	ECH	Account 333 Clay Suite 16 Houston	ts Payable / St 600 n, TX 77002		Pres Chk							- PEOP	C C C C C C C C C C C C C C C C C C C
Report to: Kimble Thrash			Email To: k	kimble@etech	env.com								MT J 12065 Lebanon Rd M	ULIET, TN Iount Juliet, TN 37122
Project Description: DCP Plant to Lea Station 6" Section 31		City/State Collected:	ER COU	NTY, NI	1 Please C PT MT	ircle: CT ET	9	10		The second			Submitting a sample of constitutes acknowled Pace Terms and Cond https://info.pacelabs.	via this chain of custody dgment and acceptance o ltions found at: com/hubfs/pas-standard
432 894 9996	Client Project	# -084		Lab Project PLAINSET	# ECH-NM GW		802	801					SDG #	
Collected by (print): KIMBLE THRASH	Site/Facility II	#2009-	084	P.O. #		-		cl-Blk		-			Accumut	J048
Collected by (signature): mmediately Packed on Ice N Y	Rush? (1 Same D Next Da Two Da Three D	Lab MUST Be ay Five ( y5 Day y10 Da ay	Notified) Day (Rad Only) ay (Rad Only)	Quote # Date Re	sults Needed	No. of	10mlAmb-H0	10mlAmb-HG					Template: <b>T24</b> Prelogin: <b>P10</b> PM: <b>3587 - Lo</b> PB:	12877 )41690 ri A Vahrenkam
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	BTEX	BTEX -			. The		Shipped Via: C Remarks	Sample # (lab or
		GW									-			
1W-2	G	GW	NA	12-7-2	3 0925	3	x	1	3			103		-21
1W-3	G	GW	N/A	12-7-	13 1115	3	x						-	-07
1W-4	G	GW	NA	12-7-1	3 1235	3	x							0.27
1W-5	G	GW	NIA	12-7-1	-1 1400	3	x	1	-	1923		33		- 74
1W-6	G	GW	NA	12-7-	23 1020	3	x					-		-05
UP-1	G	GW	NIA	12-7-2	1 1401	3	x			-				120
RIP BLANK		GW	MA	16 1-1	211-1	2	~	x				-		-27
XXX END OF	COC	X	XX	K		-								
Matrix: 5 - Soil AIR - Air F - Filter W - Groundwater B - Bioassay /W - WasteWater	emarks:Order I	ncludes: 7x0	GW for BTE	EX, plus 1xTr	ip Blank	1			pH Flo	H	Temp Other	<u>Si</u> COC Seal COC Sign Bottles Correct	ample Receipt Ch Present/Intact ed/Accurate: arrive intact: bottles used:	NP Y
W - Drinking Water Sa T - Other Sa	amples returned UPS FedEx	via: Courier		Tra	cking# 52	.6 0	166	2 10	15		- Andre	Sufficie VOA Zero	nt volume sent: <u>If Applicab</u> Headspace:	
alinquished by : (Signature)	Dat	te:	Time:		eived by: (Signet	ure)	1	>	Trip BI	ank Recei	ived: Ves No HCO / MeoH TBR	Preserva RAD Scre	tion Correct/Ch en <0.5 mR/hr:	ecked:
elinquished by : (Signature)	Dat	te:	Time:	Re	ceived by: (Signat	ure)	0		Temp:	\$ 7.5	C Bottles Received:	If preserva	ition required by Log	gin: Date/Time
elinquished by : (Signature)	Dat	te:	Time:	Re	eived for lab by:	(Signatu	ire	-	Date:		Time:	Hold:		Condition:

# Appendix B Laboratory Analytical Reports (Air Emissions)

Received by OCD: 4/1/2024 12:37:07 PM



**Environment Testing** 

# **ANALYTICAL REPORT**

# **PREPARED FOR**

Attn: Joel Lowry Etech Environmental & Safety Solutions PO BOX 62228 Midland, Texas 79711 Generated 3/10/2023 11:53:08 AM

# JOB DESCRIPTION

DCP Sec 31 SDG NUMBER Lea County NM

# **JOB NUMBER**

860-44413-1

Eurofins Houston 4145 Greenbriar Dr Stafford TX 77477



Received by OCD: 4/1/2024 12:37:07 PM

# **Eurofins Houston**

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

# Authorization

RAMER

Generated 3/10/2023 11:53:08 AM

Authorized for release by Jessica Kramer, Project Manager Jessica.Kramer@et.eurofinsus.com (432)704-5440

Eurofins Houston is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

Laboratory Job ID: 860-44413-1

SDG: Lea County NM

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### **Definitions/Glossary**

Client: Etech Environmental & Safety Solutions Project/Site: DCP Sec 31 Page 104 of 202

roiossai y	
Job ID: 860-44413-1	
SDG: Lea County NM	

Qualifiers

Quaimers		
GC/MS VOA		
Qualifier	Qualifier Description	
Н	Sample was prepped or analyzed beyond the specified holding time	
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	
U	Indicates the analyte was analyzed for but not detected.	
Glossary		
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	
CFL	Contains Free Liquid	
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	
LOQ	Limit of Quantitation (DoD/DOE)	
MCL	EPA recommended "Maximum Contaminant Level"	
MDA	Minimum Detectable Activity (Radiochemistry)	
MDC	Minimum Detectable Concentration (Radiochemistry)	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
MPN	Most Probable Number	
MQL	Method Quantitation Limit	
NC	Not Calculated	
ND	Not Detected at the reporting limit (or MDL or EDL if shown)	
NEG	Negative / Absent	
POS	Positive / Present	
PQL	Practical Quantitation Limit	
PRES	Presumptive	
QC	Quality Control	
RER	Relative Error Ratio (Radiochemistry)	
RL	Reporting Limit or Requested Limit (Radiochemistry)	
RPD	Relative Percent Difference, a measure of the relative difference between two points	
TEF	Toxicity Equivalent Factor (Dioxin)	
TEQ	Toxicity Equivalent Quotient (Dioxin)	
TNTC	Too Numerous To Count	

Client: Etech Environmental & Safety Solutions Project/Site: DCP Sec 31 Job ID: 860-44413-1 SDG: Lea County NM

#### Job ID: 860-44413-1

#### Laboratory: Eurofins Houston

#### Narrative

Job Narrative 860-44413-1

#### Receipt

The sample was received on 3/4/2023 9:12 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 19.6°C

#### GC/MS VOA

Method 8260C\_GRO: The following sample was analyzed outside of analytical holding time due to receiving sample out of holding time: EFF-1 (03323) (860-44413-1).

Method 8260C GRO: The following sample was received outside of holding time: EFF-1 (03323) ) (860-44413-1).

Method 8260C\_MOD: The following sample was analyzed outside of analytical holding time due to receiving sample outside of holding time: EFF-1 (03323) (860-44413-1).

Method 8260C\_MOD: The following sample was received outside of holding time: EFF-1 (03323) ) (860-44413-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

4

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Client: Etech Environmental & Safety Solutions Project/Site: DCP Sec 31

## Client Sample ID: EFF-1 (03323) )

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	Method	Prep Type	
Gasoline Range Organics	575	Н	12.2	6.11	ppm v/v	1	8260C GRO	Total/NA	
Benzene	0.359	JH	3.13	0.313	ppm v/v	1	8260C	Total/NA	
Toluene	0.275	JH	2.65	0.265	ppm v/v	1	8260C	Total/NA	5
m,p-Xylenes	0.784	JH	4.61	0.461	ppm v/v	1	8260C	Total/NA	
Xylenes, Total	0.784	JH	4.61	0.461	ppm v/v	1	8260C	Total/NA	

This Detection Summary does not include radiochemical test results.

### Job ID: 860-44413-1 SDG: Lea County NM

Lab Sample ID: 860-44413-1

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Matrix: Air

Job ID: 860-44413-1 SDG: Lea County NM

Lab Sample ID: 860-44413-1

### Client Sample ID: EFF-1 (03323) )

Client: Etech Environmental & Safety Solutions

Date Collected: 03/03/23 12:10

Project/Site: DCP Sec 31

Date Received: 03/04/23 09:12 Sample Container: Tedlar Bag 1L

Method: SW846 8260C GRO - V	/olatile Organic	Compounds	s (GC/MS)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	575	н	12.2	6.11	ppm v/v			03/07/23 14:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		60 - 140			-		03/07/23 14:54	1
- Method: SW846 8260C - Volatil	e Organic Comp	ounds (GC	MS)						
Analyte	Result	Qualifier	, RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.359	JH	3.13	0.313	ppm v/v			03/07/23 14:54	1
Toluene	0.275	JH	2.65	0.265	ppm v/v			03/07/23 14:54	1
Ethylbenzene	<0.230	UH	2.30	0.230	ppm v/v			03/07/23 14:54	1
m,p-Xylenes	0.784	JH	4.61	0.461	ppm v/v			03/07/23 14:54	1
o-Xylene	<0.230	UH	2.30	0.230	ppm v/v			03/07/23 14:54	1
Xylenes, Total	0.784	JH	4.61	0.461	ppm v/v			03/07/23 14:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 135			-		03/07/23 14:54	1

Client: Etech Environmental & Safety Solutions Project/Site: DCP Sec 31 Job ID: 860-44413-1 SDG: Lea County NM

Prep Type: Total/NA

Prep Type: Total/NA

# Method: 8260C - Volatile Organic Compounds (GCMS)

M۶	atr	ix:	Δ	ir

-			Percent Surrogate Recovery (Acceptance Limits)	
		BFB		
Lab Sample ID	Client Sample ID	(70-135)		_
860-44413-1	EFF-1 (03323))	105		
LCS 860-92970/3	Lab Control Sample	106		
LCSD 860-92970/4	Lab Control Sample Dup	107		
MB 860-92970/6	Method Blank	103		
Surrogate Legend				
BFB = 4-Bromofluorob	enzene (Surr)			

#### Method: 8260C GRO - Volatile Organic Compounds (GC/MS) Matrix: Air

			Percent Surrogate Rec	covery (Accep
		BFB		
Lab Sample ID	Client Sample ID	(60-140)		
860-44413-1	EFF-1 (03323) )	96		
LCS 860-92971/4	Lab Control Sample	104		
LCSD 860-92971/5	Lab Control Sample Dup	94		
MB 860-92971/7	Method Blank	98		
Surrogate Legend				
BFB = 4-Bromofluorobe	enzene (Surr)			
## **QC Sample Results**

Client: Etech Environmental & Safety Solutions Project/Site: DCP Sec 31

Method: 8260C - Volatile Organic Compounds (GCMS)

Lab Sample ID: MB 860-92970/6							Client Sa	ample ID: Metho	d Blank
Matrix: Air								Prep Type: 1	otal/NA
Analysis Batch: 92970									
	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.313	U	3.13	0.313	ppm v/v			03/07/23 14:08	1
Toluene	<0.265	U	2.65	0.265	ppm v/v			03/07/23 14:08	1
Ethylbenzene	<0.230	U	2.30	0.230	ppm v/v			03/07/23 14:08	1
m,p-Xylenes	<0.461	U	4.61	0.461	ppm v/v			03/07/23 14:08	1
o-Xylene	<0.230	U	2.30	0.230	ppm v/v			03/07/23 14:08	1
Xylenes, Total	<0.461	U	4.61	0.461	ppm v/v			03/07/23 14:08	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 135					03/07/23 14:08	1

#### Lab Sample ID: LCS 860-92970/3 Matrix: Air Analysis Batch: 92970

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	15.7	13.43		ppm v/v		86	70 - 125
Toluene	13.3	11.66		ppm v/v		88	70 - 125
Ethylbenzene	11.5	9.914		ppm v/v		86	70 - 125
m,p-Xylenes	11.5	9.991		ppm v/v		87	70 - 125
o-Xylene	11.5	9.784		ppm v/v		85	70 - 125

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 135

#### Lab Sample ID: LCSD 860-92970/4 Matrix: Air Analysis Batch: 92970

Surrogate

4-Bromofluorobenzene (Surr)

	S	pike	LCSD	LCSD				%Rec		RPD
Analyte	Ad	lded	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene		15.7	14.12		ppm v/v		90	70 _ 125	5	35
Toluene		13.3	11.81		ppm v/v		89	70 _ 125	1	35
Ethylbenzene		11.5	9.920		ppm v/v		86	70 - 125	0	35
m,p-Xylenes		11.5	9.958		ppm v/v		86	70 _ 125	0	35
o-Xylene		11.5	9.737		ppm v/v		85	70 - 125	0	35
	LCSD LCSD									

Limits

70 - 135

#### Method: 8260C GRO - Volatile Organic Compounds (GC/MS)

%Recovery Qualifier

107

_ Lab Sample ID: MB 860-92971/7 Matrix: Air							Client S	ample ID: Metho Prep Type: 1	d Blank Fotal/NA
Analysis Batch: 92971									
	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<6.11	U	12.2	6.11	ppm v/v			03/07/23 14:08	1

Page 109 of 202

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Client: Etech Environmental & Safety Solutions Project/Site: DCP Sec 31

## Method: 8260C GRO - Volatile Organic Compounds (GC/MS) (Continued)

								0			
Lab Sample ID: MB 860-92971/7 Matrix: Air								Client	Sample ID: Me Prep Typ	ethod Blank be: Total/NA	
Analysis Batch: 92971											
		MB MB									5
Surrogate	%Reco	overy Qualif	ïer Limits				Р	repared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)		98	60 - 140						03/07/23 14:	08 1	
Lab Sample ID: LCS 860-92971/4	4						Client	Sample	e ID: Lab Con	trol Sample	
Matrix: Air									Prep Typ	be: Total/NA	
Analysis Batch: 92971											8
			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		9
Gasoline Range Organics			122	114.7		ppm v/v		94	60 - 140		
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	104		60 - 140								
Lab Sample ID: LCSD 860-92971	1/5					Clier	nt Sam	ple ID:	Lab Control S	Sample Dup	
Matrix: Air									Prep Typ	be: Total/NA	
Analysis Batch: 92971											
			Calles	1.000	1.000				% Bee	000	

			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics			122	104.9		ppm v/v		86	60 - 140	9	35
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	94		60 - 140								

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**Eurofins Houston** 

## **QC Association Summary**

Client: Etech Environmental & Safety Solutions Project/Site: DCP Sec 31

Job ID: 860-44413-1 SDG: Lea County NM

Page 111 of 202

### **GC/MS VOA**

#### Analysis Batch: 92970

GC/MS VOA						
Analysis Batch: 92970						
Lab Sample ID 860-44413-1	Client Sample ID EFF-1 (03323) )	Prep Type Total/NA	Air	Method 8260C	Prep Batch	4
MB 860-92970/6 LCS 860-92970/3	Method Blank Lab Control Sample	Total/NA Total/NA	Air Air	8260C 8260C		9
LCSD 860-92970/4	Lab Control Sample Dup	Total/NA	Air	8260C		
Analysis Batch: 92971						
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch	
860-44413-1	EFF-1 (03323) )	Total/NA	Air	8260C GRO		8
MB 860-92971/7	Method Blank	Total/NA	Air	8260C GRO		
LCS 860-92971/4	Lab Control Sample	Total/NA	Air	8260C GRO		9
LCSD 860-92971/5	Lab Control Sample Dup	Total/NA	Air	8260C GRO		

**Eurofins Houston** 

Released to Imaging: 8/1/2024 4:41:28 PM

Job ID: 860-44413-1 SDG: Lea County NM

Lab Sample ID: 860-44413-1

## Client Sample ID: EFF-1 (03323) ) Date Collected: 03/03/23 12:10 Date Received: 03/04/23 09:12

Client: Etech Environmental & Safety Solutions

	Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab	5
Total/NA	Analysis	8260C		1	5 mL	5 mL	92970	03/07/23 14:54	JBS	EET HOU	
Total/NA	Analysis	8260C GRO		1	5 mL	5 mL	92971	03/07/23 14:54	JBS	EET HOU	
	rences:	Croophring Dr. Staff	TV 77477	TEL (204)2	10, 4200						
EET HOO = Euro	nns Houston, 4145	Greenbriar Dr, Stand	JIQ, IX //4//	, TEL (201)24	+0-4200						8

#### Laboratory References:

Project/Site: DCP Sec 31

**Eurofins Houston** 

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Matrix: Air

10

Released to Imaging: 8/1/2024 4:41:28 PM

## **Accreditation/Certification Summary**

Client: Etech Environmental & Safety Solutions Project/Site: DCP Sec 31

Job ID: 860-44413-1 SDG: Lea County NM

#### Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-04-23
Florida	NELAP	E871002	06-30-23
Louisiana	NELAP	03054	06-30-23
Louisiana (All)	NELAP	03054	06-30-23
Oklahoma	State	1306	08-31-23
Texas	NELAP	T104704215-22-48	06-30-23
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	P330-22-00025	03-02-23 *

\* Accreditation/Certification renewal pending - accreditation/certification considered valid.

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## **Method Summary**

Client: Etech Environmental & Safety Solutions Project/Site: DCP Sec 31

Job ID: 860-44413-1 SDG: Lea County NM

Method	Method Description	Protocol	Laboratory	
8260C	Volatile Organic Compounds (GCMS)	SW846	EET HOU	- A
8260C GRO	Volatile Organic Compounds (GC/MS)	SW846	EET HOU	
5030C	Collection/Prep Tedlar Bag (P&T)	SW846	EET HOU	5
Protocol Ref SW846 =	e <b>rences:</b> "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third E	dition, November 1986 And Its Updates.		6
Laboratory R	eferences:			
EET HOU	= Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-420	0		8
				9

#### Protocol References:

#### Laboratory References:

**Eurofins Houston** 

## **Sample Summary**

Client: Etech Environmental & Safety Solutions Project/Site: DCP Sec 31 Job ID: 860-44413-1 SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
860-44413-1	EFF-1 (03323) )	Air	03/03/23 12:10	03/04/23 09:12



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Project Location: Sampler's Name: PO #: SAMPLE RECEI Samples Received II Cooler Custody Seal Sample Custody Seal Sample Custody Seal Total Containers. Sample Ider	2009- 2009- IPT Tem ntact Yes Is: Yes als: Yes ntification 03323)	VAH COSY OBJANK NO NO NO NA Matrix A	Yes No Thermomet Correction I Temperatur Corrected T Date Sampled 3-3-23	Due Date: TAT starts th the lab, if rec Wet Ice: er ID: Factor e Reading: emberature: Time Sampled	e day rece seived by 4 Yes Depth	Grab/	# of Cont	X BTEX (SOZIB)	1 M TPH (8015)											Cool Cool MeOH. Me HCL. HC HNO <sub>3</sub> . HN H <sub>2</sub> SO <sub>4</sub> . H <sub>2</sub> NaOH: Na H <sub>3</sub> PO <sub>4</sub> . HP NaHSO <sub>4</sub> . NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> . NaSO <sub>3</sub> Zn Acetate+NaOH Zn NaOH+Ascorbic Acid: SAPC Sample Comments
Total 200.7 / 60 Circle Method(s) a	010 200.8 nd Metal(s) to	/ 6020 be analy	8F rzed	CRA 13PI TCLP / SP	РМ Те) Р <b>LP 601</b>	(as 11 0: 8RC	I AI S CRA	b As Sb As	Ba Ba	Be C	Cd Ca		Co C	Lu Fe	Pb M Mo Ni	g Mn Se /	Mo M	li K Se	Ag Si( Hg. 16	Temp <sup>•</sup> 19 8IR ID:HOU-344 C/F·-0.2 Corrected Temp: 19 • 6 02 Na Sr TI Sn U V Zn 31 / 245.1 / 7470 / 7471
Notice: Signature of this of service. Eurofins Xend of Eurofins Xenco. A min	document and rel co will be liable on nimum charge of \$	inquishment ly for the co 85.00 will be	of samples cor st of samples a applied to eaci	istitutes a valid nd shall not ass h project and a	purchase of sume any re charge of \$	order fron esponsibl i5 for eacl	n client ( lity for a h sampl	company iny josse e submit	y to Eu es or ex ited to l	rofins Xi ipenses Eurofins	inco, its incurred Xenco, i	affillate by the but not	es and s client i analyza	ubcontra f such lo: rd. These	actors. I sses are terms v	t assigr due to vill be e	s standa circumst nforced u	rdi terms a ances bey inless pre	and condition and the con viously meg	ons ntrol jotiated.

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Received by OCD: 4/1/2024 12:37:07 PM

## Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Login Number: 44413 List Number: 1 Creator: Rubio, Yuri

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	False	No time on COC, logged in per container labels.
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Job Number: 860-44413-1 SDG Number: Lea County NM PERMIAN BASIN ENVIRONMENTAL LAB, LP 1400 Rankin Hwy Midland, TX 79701



# Analytical Report

## **Prepared for:**

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

> Project: DCP sec. 31 Project Number: 17473 Location: Lea County, NM

Lab Order Number: 3E15005



**Current Certification** 

Report Date: 05/26/23

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

Project DCP sec. 31 Project Number: 17473 Project Manager: Joel Lowry

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EFF-1 (051523)	3E15005-01	Air	05/15/23 09:00	05-15-2023 12:30

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	DCP sec. 31
13000 West County Road 100	Project Number:	17473
Odessa TX, 79765	Project Manager:	Joel Lowry

## EFF-1 (051523)

3E15005-01 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental I	Lab, L.P.			
Organics by GC									
Benzene	0.255	0.500	ppmv	1	P3E2602	05/18/23 10:00	05/18/23 10:00	EPA 8021B	SUB-8, J
Toluene	0.182	0.200	ppmv	1	P3E2602	05/18/23 10:00	05/18/23 10:00	EPA 8021B	SUB-8, J
Ethylbenzene	ND	0.500	ppmv	1	P3E2602	05/18/23 10:00	05/18/23 10:00	EPA 8021B	SUB-8
Xylene (p/m)	0.353	1.00	ppmv	1	P3E2602	05/18/23 10:00	05/18/23 10:00	EPA 8021B	SUB-8, J
Xylene (o)	0.0770	0.500	ppmv	1	P3E2602	05/18/23 10:00	05/18/23 10:00	EPA 8021B	SUB-8, J

Permian Basin Environmental Lab, L.P.

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

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	DCP sec. 31	
13000 West County Road 100	Project Number:	17473	
Odessa TX, 79765	Project Manager:	Joel Lowry	

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

Permian Basin Environmental Lab, L.P.

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

E Tech Environmental & Safety Solutions, Inc. [1]	Project: DCP sec. 31
13000 West County Road 100	Project Number: 17473
Odessa TX, 79765	Project Manager: Joel Lowry

#### **Notes and Definitions**

SUB-8 Subcontract of analyte/analysis to A&B Labs Houston.

NPBEL C( Chain of Custody was not generated at PBELAB

- J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
- 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

Sun Barron

Report Approved By:

Date:

5/26/2023

Brent Barron, Laboratory Director/Technical Director

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

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

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

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Company Name   PBEL   Project #:     Company Address:   1400 Rankin HWY   Project M:     City/State/Zip:   Midland Texas 79701   P0 #:     Telephone No:   432-661-4184   Fax No:   Report Format: X Standard   TRRP   NPDES     Sampler Signature:   NA   -e-mail:   Intervention & # of Continueron   Mailer   Name   Na	P	BELA.	Brent Barror	CHAIN OF C	USTO	DY R	ECORD AND	ANALYSIS	Per 140 Mic	EQ( rmia 00 R dlan	JES in B ank ank	ST asin kin H Texa	Env WY s 79	iror 970 <sup>-</sup>	nmer 1	ntal	Lab,	LP	Proj	ect l	Name	:	PI F	h <b>one</b> PBEL	e: <b>43</b> _AB_\$ _CON	2-68 SUB <u>_</u> NTR	6-723 _COC ACT	<b>\$5</b> _V2				
Company Address:   1400 Rankin HWY   Project Lo::     City/State/Zip:   Midland Toxas 79701   P0 #:     Telephone No:   432-661-4184   Fax No:   Report Forma:   X. Standard   ITRP   PDES     Sempler Signature:   N/A		Company Name	PBEL																	Pro	ject #	<u>؛</u>										_
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Sampler Signature: M/A   e-mail:   trendmarne@pdelation:     ORDER #:		Telephone No:	432-661-418	34				Fax No:											Repoi	rt Fo	rmat	: X	Stan	dard			TRRI	P		NPC	ES	
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ORDER #:     Preservation & # of Containers     Matrix     Natrix     Natrix       up     up <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>ŀ</td><td></td><td></td><td></td><td>T</td><td>Indiy20</td><td></td><td></td><td>Т</td><td></td><td></td><td></td><td></td></t<>																				ŀ				T	Indiy20			Т				
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3E15005-01   5/15/2023   9:00   1   N   AIR   X   AIR   X   I <thi< th="">   I<!--</td--><td>LAB # (lab use only)</td><td></td><td>FIELD CODE</td><td></td><td>Beginning Depth</td><td>Ending Depth</td><td>Date Sampled</td><td>Time Sampled</td><td>Field Filtered</td><td>Total #. of Containers</td><td>ICE</td><td>HNO<sub>3 250 poly 1</sub></td><td>HCI 3 40mL VOA</td><td>H<sub>2</sub>SO<sub>4</sub> 1 AMBER 500/250POLY</td><td>NaOH /Ascorbic Acid 250ML P</td><td>Na<sub>2</sub>S<sub>2</sub>U<sub>3</sub></td><td>NONE</td><td>NONE 3 AMBER VOAA VIALS</td><td>GW = Groundwater S=Soil/Solid</td><td>NP=Non-Potable Specify Other</td><td>8021B BTEX</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>24 HOUR</td><td>STANDAKD</td></thi<>	LAB # (lab use only)		FIELD CODE		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	ICE	HNO <sub>3 250 poly 1</sub>	HCI 3 40mL VOA	H <sub>2</sub> SO <sub>4</sub> 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	Na <sub>2</sub> S <sub>2</sub> U <sub>3</sub>	NONE	NONE 3 AMBER VOAA VIALS	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	8021B BTEX										24 HOUR	STANDAKD
independent in the second by:   Date   Time   Received by:   Image: Received by:   Date   Time   Time   Received by:   Date   Time   Time   Received by:   Date   Time   Time   Time   Time   Time   Time <td></td> <td>38</td> <td>E15005-01</td> <td></td> <td></td> <td></td> <td>5/15/2023</td> <td>9:00</td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>х</td> <td></td> <td>AIR</td> <td>2</td> <td>х</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><math>\bot</math></td> <td><math>\square</math></td> <td></td> <td></td> <td>x</td>		38	E15005-01				5/15/2023	9:00		1							х		AIR	2	х							$\bot$	$\square$			x
Image: Strate in the													+	4	_	_	_			_		_	$\square$	_	_			+	╇	┢──╋	+	4
Image: Special INSTRUCTIONS:   Date   Time   Received by:   Date   Time   Catodity cals on cooler(s)   Y   N     Relinquished by:   Date   Time   Received by:   Date   Time   Received by:   Date   Time   Sample Hand Delivered   Y   N     Relinquished by:   Date   Time   Received by:   Date   Time   Time   Received by:   Date   Time   Time <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td>+</td><td></td><td></td><td></td><td></td><td></td><td>+</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>+</td><td>╉┩</td><td></td><td>-</td><td>-</td></t<>											-			+						+								+	╉┩		-	-
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SPECIAL INSTRUCTIONS:   Laboratory Comments:     Selinquished by:   Date   Time   Received by:   Date   Time   Sample Container(s)   Y   N     Relinquished by:   Date   Time   Received by:   Date   Time   Sample Hand Delivered   Y   N     Relinquished by:   Date   Time   Received by:   Date   Time   Sample Hand Delivered   Y   N     Relinquished by:   Date   Time   Received by:   Date   Time   Time   Received by:   Calibrid is divered is the construction of the constructis the construction of the constructis the																						_						$\downarrow$		⊢⊢	_	
Relinquished by: Brent Barron   Date   Time   Received by:   Date   Time   Labels on container(s)   Y   N     Relinquished by:   Date   Date   Time   Received by:   Date   Time   Labels on container(s)   Y   N     Relinquished by:   Date   Time   Received by:   Date   Time   Sample Hand Delivered   Y   N     Relinquished by:   Date   Time   Received by:   Date   Time   Sample Hand Delivered   Y   N     Relinquished by:   Date   Time   Received by:   Date   Time   Time   Received by:   Date   Time   Sample Hand Delivered   Y   N     Relinquished by:   Date   Time   Received by:   Date   Time   Time   Received by:   Date   Time   Temperature Upon Receipt::   Received:   °C     Relinquished by:   Date   Time   Time   Received by:   Date   Time   Temperature Upon Receipt::   Received:   °C     Adjusted:   °C   Cator   °C   Adjusted:   °C   Cator	SPECIAL	INSTRUCTIONS:																			La Sa	borat mple	ory Co Conta	omm iners	ents:	t?			Y		N	
Relinquished by:   Date   Time   Received by:   Date   Time   Sample Hand Delivered   Y   N     Relinquished by:   Date   Time   Received by:   Date   Time   Sample Hand Delivered   Y   N     Belinquished by:   Date   Time   Received by:   Date   Time   Time   Sample Hand Delivered   Y   N     Belinquished by:   Date   Time   Received by:   Date   Date   Time   Temperature Upon Receipt:   Received:   °C     Adjusted:   °C   Adjusted:   °C   Sample Hand Delivered   °C   Adjusted:   °C	Relinqui: Brent Ba	shed by: rron		Date	Tii	me	Received by:									T	[	Date		Tin	le La Cu Cu	bels c istody	on con seals seals	taine on co on co	r(s) ontain ooler(	ner(s) s)			Y Y Y		N N N	
Relinquished by: Date Time Received by: Received by: Date Time Received by: Courier? UPS DHL FedEx Lone Star Received: °C Adjusted: °C Factor	Relinqui	shed by:		Date	Ti	me	Received by:										[	Date		Tin	ie <sup>Sa</sup>	mple by S	Hand Sample	Deliv r/Clie	ered ent Re	p. ?			Y Y	I I	N N	
	Relinqui	shed by:		Date	Ti	me	Received by:										[	Date		Tin	ie Te Re Ad	by ( mper ceive ljuste	Courier ature d: d:	? Upor	UP: n Rece	s eipt: °C _°C F	DHL actor	Fe	dEx	Lone	Star	

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Received by OCD: 4/1/2024 12:37:07 PM



## **Plains All American Pipeline - ETECH**

Sample Delivery Group: Samples Received:

L1622526 06/03/2023

June 07, 2023

Description:

Project Number:

Tedlars, New Mexico Samples

Report To:

Joel Lowery 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

Released to Imaging: 0/1/2024 4:41:28 PM Plains All American Pipeline - ETECH

PROJECT:

SDG: L1622526

DATE/TIME: 06/07/23 14:02 PAGE: 1 of 13

Ср Тс Ss Cn Ϋ́r Śr Qc GI AI Sc

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<sup>2</sup> Tc
<sup>3</sup> Ss
<sup>4</sup> Cn
<sup>5</sup> Tr
<sup>6</sup> Sr
<sup>7</sup> Qc
<sup>8</sup> Gl
<sup>9</sup> Al
<sup>10</sup> Sc

Ср

Released to Imaging: 3/1/2024 4:41:28 PM Plains All American Pipeline - ETECH

PROJECT:

SDG: L1622526

DATE/TIME: 06/07/23 14:02

PAGE: 2 of 13

## SAMPLE SUMMARY

Page 128 of 202

			Collected by	Collected date/time	Received date/	ime
EFF-1(060223) L1622526-01 Air				06/02/23 09:30	06/03/23 09:00	)
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		1
Volatile Organic Compounds (MS) by Method TO-15	WG2072009	400	06/06/23 05:52	06/06/23 05:52	DBB	Mt. Juliet, TN

<sup>3</sup> Ss
<sup>4</sup> Cn
⁵Tr
<sup>6</sup> Sr
<sup>7</sup> Qc
<sup>°</sup> Gl
<sup>9</sup> Al
<sup>10</sup> Sc

Τс

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SDG: L1622526 DATE/TIME: 06/07/23 14:02

TIME: 3 14:02 PAGE: 3 of 13

## CASE NARRATIVE

Lori A Vahrenkamp Project Manager

### Sample Delivery Group (SDG) Narrative

Sample received in tedlar bag

Lab Sample ID

Project Sample ID EFF-1(060223) Method TO-15 Page 129 of 202

DATE/TIME: 06/07/23 14:02

This data package consists of this signature page, the laboratory review checklist, and the following reportable data as applicable:

- R1 Field chain-of-custody documentation;
- R2 Sample identification cross-reference;
- R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a. Items consistent with NELAC Chapter 5,
  - b. dilution factors,
  - c. preparation methods,
  - d. cleanup methods, and
  - e. if required for the project, tentatively identified compounds (TICs).
- R4 Surrogate recovery data including:
  - a. Calculated recovery (%R), and
  - b. The laboratory's surrogate QC limits.
- R5 Test reports/summary forms for blank samples;
- R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - LCS spiking amounts,
  - b. Calculated %R for each analyte, and
  - c. The laboratory's LCS QC limits.
- R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - Samples associated with the MS/MSD clearly identified.
  - b. MS/MSD spiking amounts,
  - Concentration of each MS/MSD analyte measured in the parent and spiked samples, C.
  - d. Calculated %Rs and relative percent differences (RPDs), and
  - e. The laboratory's MS/MSD QC limits
- R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a. The amount of analyte measured in the duplicate,
  - b. The calculated RPD, and
  - c. The laboratory's QC limits for analytical duplicates.
- R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte

for each method and matrix.

R10 - Other problems or anomalies.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Lori A Vahrenkamp Project Manager

SDG: L1622526

Labo	orato	ry Name: Pace Analytical National	LRC Date: 06/07/2023 14:02									
Proj	ect N	lame: Tedlars, New Mexico Samples	Laboratory Job Number: L1622526-01									
Revi	iewe	r Name: Lori A Vahrenkamp	Prep Batch Number(s): WG2072009									
#1	A <sup>2</sup>	Description		Yes	No	NA <sup>3</sup>	NR⁴	ER# <sup>5</sup>				
R1	OI	Chain-of-custody (C-O-C)						-				
		Did samples meet the laboratory's standard conditions	of sample acceptability upon receipt?	X			ſ					
		Were all departures from standard conditions describe	d in an exception report?	1		Х	1					
R2	0	Sample and quality control (QC) identification					•					
		Are all field sample ID numbers cross-referenced to the	e laboratory ID numbers?	X		1	Г					
		Are all laboratory ID numbers cross-referenced to the	corresponding QC data?	X								
R3	0	Test reports					<b>I</b>					
		Were all samples prepared and analyzed within holding	a times?	L X		1	T					
		Other than those results $\leq MQL$ were all other raw values	les bracketed by calibration standards?	X								
		Were calculations checked by a poor or supervisor?	des bracketed by calibration standards:									
		Were all analyte identifications checked by a peer of supervisor:	upon/isor2									
		Were comple detection limits reported for all analytes	apervisor:	<u>⊢</u> ≎		-						
		Were all results for soil and acdiment complex reported	lon e druusisht heeis?	<u>⊢</u>								
		Were all results for soil and sediment samples reported	d on a dry weight basis?	$\vdash^{\times}$								
		Were % moisture (or solids) reported for all soil and sec	diment samples?	┢───		X						
		Were bulk soils/solids samples for volatile analysis extr	racted with methanol per SW846 Method 5035?	<u> </u>		X	ļ					
		If required for the project, are TICs reported?				Х						
R4	0	Surrogate recovery data			-							
		Were surrogates added prior to extraction?		X								
		Were surrogate percent recoveries in all samples withi	n the laboratory QC limits?	X								
R5	OI	Test reports/summary forms for blank samples										
		Were appropriate type(s) of blanks analyzed?		X								
		Were blanks analyzed at the appropriate frequency?		X								
		Were method blanks taken through the entire analytica cleanup procedures?	X									
		Were blank concentrations < MQL?		Х								
R6	OI	Laboratory control samples (LCS):										
		Were all COCs included in the LCS?		X								
		Was each LCS taken through the entire analytical proc	edure, including prep and cleanup steps?	X								
		Were LCSs analyzed at the required frequency?		X								
		Were LCS (and LCSD, if applicable) %Rs within the labo	pratory QC limits?	X			1					
		Does the detectability check sample data document th used to calculate the SDLs?	e laboratory's capability to detect the COCs at the MDL	×								
		Was the LCSD RPD within QC limits?		X			1					
R7	OI	Matrix spike (MS) and matrix spike duplicate (MSD) data	8				•					
		Were the project/method specified analytes included in	n the MS and MSD?			X	Г					
		Were MS/MSD analyzed at the appropriate frequency?		<u> </u>		X						
		Were MS (and MSD, if applicable) %Rs within the labora	atory QC limits?			X						
		Were MS/MSD RPDs within laboratory QC limits?				X						
R8	0	Analytical duplicate data	1	1		1						
		Were appropriate analytical duplicates analyzed for ea	ch matrix?	1		X	T	r –				
		Were analytical duplicates analyzed at the appropriate	frequency?	├───	<u> </u>	× ×						
		Were BPDs or relative standard deviations within the la	beratery OC limits?									
DO		Method quantitation limits (MQLs):		L	I		I					
R9	0	Method quantitation limits (MQLs):	lah anatan data na aka ma?		r –	-	<u> </u>					
		Are the MQLs for each method analyte included in the	laboratory data package?									
		Do the MigLs correspond to the concentration of the lo	west non-zero calibration standard?	+	<del> </del>							
Are unadjusted MQLs and DCSs included in the laboratory data package? X												
KIU     UI     Other problems/anomalies       Are all known problems/anomalies/special conditions noted in this LPC and EP2     V												
Are an known problems/anomalies/special conditions noted in this LRC and ER? X Via sapplicable and available technology used to lower the SDL to minimize the matrix interference effects on												
	the sample results?											
		Is the laboratory NELAC-accredited under the Texas La and methods associated with this laboratory data pack	aboratory Accreditation Program for the analytes, matrices age?	X								
1. Iter	ns ide	ntified by the letter "R" must be included in the laborato	ry data package submitted in the TRRP-required report(s).	Items i	dentifie	ed by th	e letter	"S"				
should	d be r	etained and made available upon request for the appropriate and made available upon request for the appropriate and the second	priate retention period.									
2. U=	= orga	inic analyses; I = inorganic analyses (and general chemis t applicable:	stry, when applicable);									
4. NR	R = Not	t reviewed;										

5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

PAGE: 6 of 13

Labo	orato	ory Name: Pace Analytical National	LRC Date: 06/07/2023 14:02										
Proj	ect N	Jame: Tedlars, New Mexico Samples	Laboratory Job Number: L1622526-01										
Revi	iewe	r Name: Lori A Vahrenkamp	Prep Batch Number(s): WG2072009										
# <sup>1</sup>	A <sup>2</sup>	Description		Yes	No	NA <sup>3</sup>	NR <sup>4</sup>	ER# <sup>5</sup>					
S1	OI	Initial calibration (ICAL)											
		Were response factors and/or relative response factors	for each analyte within QC limits?	X									
		Were percent RSDs or correlation coefficient criteria m	et?	X									
		Was the number of standards recommended in the me	thod used for all analytes?	X									
		Were all points generated between the lowest and high	nest standard used to calculate the curve?	X									
		Are ICAL data available for all instruments used?		X	1								
		Has the initial calibration curve been verified using an a	appropriate second source standard?	X									
S2	OI	Initial and continuing calibration verification (ICCV and	CCV) and continuing calibration blank (CCB):										
		Was the CCV analyzed at the method-required frequer	ICV?	X			1						
		Were percent differences for each analyte within the m	ethod-required QC limits?	X									
		Was the ICAL curve verified for each analyte?		X									
		Was the absolute value of the analyte concentration in	the inorganic CCB < MDL?	+		X							
S3	0	Mass spectral tuning		-			•						
	-	Was the appropriate compound for the method used for	or tuning?	Τx		1	T						
		Were ion abundance data within the method-required (	C limits?										
54	0	Internal standards (IS)			I								
	Ŭ	Were IS area counts and retention times within the met	hod-required OC limits?	Τx	1	T	T	<u> </u>					
55		Raw data (NELAC Section 5.5.10)					I	I					
55	S5 OI Raw data (NELAC Section 5.5.10)												
		Were data analyst?											
56		were data associated with manual integrations flagged on the raw data? X											
30	0	Did dual column confirmation results most the method	required QC2	T	1		т —	<u> </u>					
67		Tentetively identified compounds (TCc)		<u> </u>	I	<u> </u>	I	<u> </u>					
5/	0	If TICs were requested were the mass spectre and TIC	data subject to appropriate abacks?	T	1		<u>т</u>	r –					
<u> </u>		In these requested, were the mass spectra and the		<u> </u>			I						
30		Mere percent receivering within method OC limits?		<b>—</b>			T T	1					
60	r. –	Were percent recoveries within method QC limits?		<u> </u>		×	<u> </u>	<u> </u>					
59		Serial dilutions, post digestion spikes, and method of st	tandard additions	<b></b>	1		<u> </u>	1					
610		were percent differences, recoveries, and the linearity	within the QC limits specified in the method?	<u> </u>		^	I	I					
510	0	Method detection limit (MDL) studies	2		r –	1	1						
		was a MDL study performed for each reported analyte	( (D00-2	+									
011		Is the MDL either adjusted or supported by the analysis	s of DCSs?	<u> </u>			I	L					
STI	0	Proficiency test reports			1	<b>1</b>	<del></del>	<b></b>					
C10		Was the laboratory's performance acceptable on the ap	oplicable proficiency tests or evaluation studies?				<u> </u>	I					
512					1	1	r	1					
640		Are all standards used in the analyses NIST-traceable of	or obtained from other appropriate sources?	<u> </u>			I						
513	0	Compound/analyte identification procedures			1	<b>1</b>	<b>1</b>	<b></b>					
Are the procedures for compound/analyte identification documented?													
S14 OI Demonstration of analyst competency (DOC)													
was DUC conducted consistent with INELAC Chapter 5? X													
S15 OL Verification/validation documentation for mothods (NELAC Chapter 5)													
515	0	verification/validation documentation for methods (NEL	AC Chapter 5)		1		1						
010		Are all the methods used to generate the data docume	nted, verified, and validated, where applicable?	<u> </u>									
S16	0	Laboratory standard operating procedures (SOPs)		<b>—</b> ——	1	-	r						
		Are laboratory SOPs current and on file for each metho	d performed	<u> </u>	Ļ	<u> </u>	Ļ						
1. Iter shoul 2. O 3. NA 4. NR	. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" hould be retained and made available upon request for the appropriate retention period. 2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable); 3. NA = Not applicable; 4. NB = Not applicable;												

5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Project Name: Tedlars, New Mexico Samples	Laboratory Job Number: 11622526-01					
Reviewer Name: Lori A Vahrenkamp	Prep Batch Number(s): WG2072009					
ER # <sup>1</sup> Description						

The Exception Report intentionally left blank, there are no exceptions applied to this SDG.

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);

NA = Not applicable;
NR = Not reviewed;

5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

# SAMPLE RESULTS - 01

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Ŝr

Qc

GI

ΆI

Sc

## Volatile Organic Compounds (MS) by Method TO-15

volutile organie et	mpound	5 (1413) by	Method							
	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch	 Ср
Analyte			ppbv	ug/m3	ppbv	ug/m3				2
Benzene	71-43-2	78.10	80.0	256	776	2480		400	WG2072009	Tc
TPH (GC/MS) Low Fraction	8006-61-9	101	80000	330000	566000	2340000		400	WG2072009	
Ethylbenzene	100-41-4	106	80.0	347	117	507		400	WG2072009	<sup>3</sup> Cc
MTBE	1634-04-4	88.10	80.0	288	ND	ND		400	WG2072009	55
Toluene	108-88-3	92.10	200	753	517	1950		400	WG2072009	4
Xylenes, Total	1330-20-7	106.16	240	1040	1440	6250		400	WG2072009	Cn
m&p-Xylene	1330-20-7	106	160	694	1150	4990		400	WG2072009	
o-Xylene	95-47-6	106	80.0	347	295	1280		400	WG2072009	<sup>5</sup> Tr
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		105				WG2072009	

Volatile Organic Compounds (MS) by Method TO-15

# QUALITY CONTROL SUMMARY

### Method Blank (MB)

(MB) R3933187-3 06/05/2	23 20:45	
	MB Result	MB Qualifier
Analyte	ppbv	
Benzene	U	

Benzene	U	0.0715	0.200
TPH (GC/MS) Low Fraction	U	39.7	200
Ethylbenzene	U	0.0835	0.200
MTBE	U	0.0647	0.200
Toluene	U	0.0870	0.500
Xylenes, Total	U	0.135	0.600
m&p-Xylene	U	0.135	0.400
o-Xylene	U	0.0828	0.200
(S) 1,4-Bromofluorobenzene	94.4		60.0-140

## Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

MB MDL

ppbv

MB RDL

ppbv

LCS) R3933187-1 06/05/23 19:47 • (LCSD) R3933187-2 06/05/23 20:17													
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits			
Analyte	ppbv	ppbv	ppbv	%	%	%			%	%			
Benzene	3.75	3.65	3.57	97.3	95.2	70.0-130			2.22	25			
TPH (GC/MS) Low Fraction	188	177	175	94.1	93.1	70.0-130			1.14	25			
Ethylbenzene	3.75	3.68	3.63	98.1	96.8	70.0-130			1.37	25			
MTBE	3.75	3.79	3.74	101	99.7	70.0-130			1.33	25			
Toluene	3.75	3.73	3.74	99.5	99.7	70.0-130			0.268	25			
Xylenes, Total	11.3	11.2	11.1	99.1	98.2	70.0-130			0.897	25			
m&p-Xylene	7.50	7.32	7.25	97.6	96.7	70.0-130			0.961	25			
o-Xylene	3.75	3.84	3.81	102	102	70.0-130			0.784	25			
(S) 1,4-Bromofluorobenzene				99.9	100	60.0-140							

DATE/TIME: 06/07/23 14:02

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<sup>3</sup>Ss <sup>4</sup>Cn <sup>5</sup>Tr <sup>6</sup>Sr <sup>7</sup>Qc <sup>8</sup>Gl <sup>9</sup>Al

Тс

Τс

Ss

Cn

Tr

Sr

Qc

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

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

SDG: L1622526 DATE/TIME: 06/07/23 14:02

## Received by OCD: 4/1/2024 12:37:07 PM CCREDITATIONS & LOCATIONS

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Τс

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Pace Analytical Nat	tional 12065 Lebanon Rd Mo	unt 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 <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
ldaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
lowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky <sup>16</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>14</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	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		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> 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.

SDG: L1622526

eived by OCD: 4/1/2024 12:	37:07 PM		Billing Info	ormation:		T	1		An	nalvsis/(	Contain	er / Preser	vative			Chain of Custody	Page 138 of	
Plains All American Pipeline - ETECH PO Box 62228 Midland, TX 79711		American Pipeline - ETECH 8 79711 Accounts Payable 333 Clay St Suite 1600 Houston, TX 77002				Pres Chk					1		<u>)</u>			PEOPLE	ADVANCING SCIENCE	
Report to: Joel Lowery		1 24 P 2	Email To: joel@etec	Email To: joel@etechenv.com;miquel@etechenv.com; Please Circle								5 4			100	MT JU	JLIET, TN	
Project Description: Tedlars, New Mexico Samples	31	City/State Collected:	leal				-			le:				20	T.C.			
Phone: (575) 264-988	Client Pro	oject #		Lab Project # PLAINSETEC	H - NM AIR						The second					spa #	-1169	
Ovied Onfive	Site/Facil	1 #31	P.O.# 2009-084				lar									T. Acctnum: PLA	INSETECH	
mmediately	Rusl	h? (Lab MUST Be me Day Five xt Day 5 Da to Day 10 D	Notified) Day y (Rad Only) ay (Rad Only)	Quote # Date Resul	ts Needed	No.	EDLAR Teo				5					Template: <b>T23</b> Prelogin: <b>P10</b> PM: <b>3587 - Lor</b>	0533 00245 i A Vahrenkam	
Sample ID	Comp/G	rab Matrix *	Depth	Date	Time	est Cotre	D-15TE							100		PB: Shipped Via: <b>F</b> e	edEX Groun	
EFF-1 (06022	3) Gray	6 Air	-	6/2/2	19:30	17	DI I			-						Remarks	Sample # (lab o	
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Matrix:	Remarks:	Air					1111			_								
5 - Soil AIR - Air F - Filter W - Groundwater B - Bioassay W - WasteWater									pH Temp Flow Other			_	Sample R COC Seal Preser COC Signed/Accu Bottles arrive Correct bottles Sufficient volu If		sent/Intact: ccurate: ve intact:	ANP Y		
DW - Drinking Water OT - OtherSamples returned via: UPSFedExCourier Relinquished by : (Signature) Date: 		ned via: dEx Courier		Tracki	337 2249			9 9864			ttles used:							
		33 10:00 Received by: (Signature)							Trip Blank Received: Yes / 10 HCL / MeoH			Меон	Preser RAD Sc	vation reen <	Correct/Che 0.5 mR/hr:	cked: $\underline{-}_{\mathbf{Y}}^{\mathbf{Y}}$		
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Relinquished by : (Signature)	121	Date:	Time	Receiv	ved for lab by:	(Signat	ure)	2)	Da	ate:	2	Time:	~	Hold:			Condition: NCF / OK	

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## **Plains All American Pipeline - ETECH**

July 31, 2023

Sample Delivery Group: Samples Received: Project Number: Description: Site:

Report To:

L1640337 07/29/2023 174763 Tedlars, New Mexico Samples DCP #31 Joel Lowery PO Box 62228 Midland, TX 79711



Entire Report Reviewed By:

Just Can

Justin Carr 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

Released to Imaging: %/1/2024 4:41:28 PM Plains All American Pipeline - ETECH

PROJECT: 174763

SDG: L1640337

DATE/TIME: 07/31/23 17:07

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Tr: TRRP Summary	5
TRRP form R	6
TRRP form S	7
TRRP Exception Reports	8
Sr: Sample Results	9
EFF-1(072823) L1640337-01	9
Qc: Quality Control Summary	10
Volatile Organic Compounds (MS) by Method TO-15	10
GI: Glossary of Terms	11
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Sc: Sample Chain of Custody	13



Ср Ss Cn ⁵Tr Sr Qc GI Â Sc

Released to Imaging: 3/1/2024 4:41:28 PM Plains All American Pipeline - ETECH

PROJECT: 174763

SDG: L1640337

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Received by OCD: 4/1/2024 12:37:07 PM

## SAMPLE SUMMARY

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EFF-1(072823) L1640337-01 Air			Collected by Miguel Ramirez	Collected date/time 07/28/23 08:40	Received date/ 07/29/23 09:00	'time D
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Volatile Organic Compounds (MS) by Method TO-15	WG2104007	100	07/29/23 23:39	07/29/23 23:39	JAP	Mt. Juliet, TN

³Ss
<sup>4</sup> Cn
⁵Tr
<sup>6</sup> Sr
<sup>7</sup> Qc
<sup>°</sup> Gl
<sup>9</sup> Al
<sup>10</sup> Sc

Released to Imaging: 3/1/2024 4:41:28 PM Plains All American Pipeline - ETECH PROJECT: 174763 SDG: L1640337 DATE/TIME: 07/31/23 17:07

≣: 07 PAGE: 3 of 13

## 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.

not Can

Justin Carr Project Manager

### Sample Delivery Group (SDG) Narrative

Sample received in tedlar bag.

Lab Sample ID

Project Sample ID EFF-1(072823) Method TO-15



This data package consists of this signature page, the laboratory review checklist, and the following reportable data as applicable:

- R1 Field chain-of-custody documentation;
- R2 Sample identification cross-reference;
- R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a. Items consistent with NELAC Chapter 5,
  - b. dilution factors,
  - c. preparation methods,
  - d. cleanup methods, and
  - e. if required for the project, tentatively identified compounds (TICs).
- R4 Surrogate recovery data including:
  - a. Calculated recovery (%R), and
  - b. The laboratory's surrogate QC limits.
- R5 Test reports/summary forms for blank samples;
- R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - LCS spiking amounts,
  - b. Calculated %R for each analyte, and
  - c. The laboratory's LCS QC limits.
- R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - Samples associated with the MS/MSD clearly identified.
  - b. MS/MSD spiking amounts,
  - c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d. Calculated %Rs and relative percent differences (RPDs), and
  - e. The laboratory's MS/MSD QC limits
- R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a. The amount of analyte measured in the duplicate,
  - b. The calculated RPD, and
  - c. The laboratory's QC limits for analytical duplicates.
- R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte
  - for each method and matrix.
- R10 Other problems or anomalies.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Justin Carr Project Manager

Laboratory Name: Pace Analytical National			LRC Date: 07/31/2023 17:07									
Project Name: Tedlars, New Mexico Samples			Laboratory Job Number: L1640337-01									
Rev	iewe	r Name: Justin Carr	Prep Batch Number(s): WG2104007									
# <sup>1</sup>	A <sup>2</sup>	Description		Yes	No	NA <sup>3</sup>	NR⁴	ER# <sup>5</sup>				
R1	OI	Chain-of-custody (C-O-C)		_				_				
		Did samples meet the laboratory's standard condition:	s of sample acceptability upon receipt?	X								
		Were all departures from standard conditions describe	ed in an exception report?			Х						
R2	OI	Sample and quality control (QC) identification										
		Are all field sample ID numbers cross-referenced to th	e laboratory ID numbers?	X								
		Are all laboratory ID numbers cross-referenced to the	corresponding QC data?	X								
R3	0	Test reports					•					
		Were all samples prepared and analyzed within holdir	na times?	X	1		1					
		Other than these results $\leq MOL$ were all other raw val	use bracketed by calibration standards?									
		Were calculations checked by a paper or supervisor?		$\uparrow$	<u> </u>							
		were calculations checked by a peer of supervisor?										
		Were all analyte identifications checked by a peer or s	supervisor?	X			<u> </u>					
		Were sample detection limits reported for all analytes	not detected?	X								
		Were all results for soil and sediment samples reporte	d on a dry weight basis?	X								
		Were % moisture (or solids) reported for all soil and se	diment samples?			Х						
		Were bulk soils/solids samples for volatile analysis ext	racted with methanol per SW846 Method 5035?			Х						
		If required for the project, are TICs reported?				Х						
R4	0	Surrogate recovery data		•		•	•					
		Were surrogates added prior to extraction?		X		1	1					
		Were surrogate percent recoveries in all samples with	in the laboratory QC limits?	X								
DE	$\cap$	Tost roports/summary forms for blank samples					1	L				
KJ		Were appropriate type(c) of blanks analyzed?			I	1	1	1				
		Were block and the appropriate frequency?		$\hat{}$								
		were blanks analyzed at the appropriate frequency?										
		Were method blanks taken through the entire analytic	al process, including preparation and, if applicable,	X								
		Were blank concentrations < MOL2										
DC							I	L				
RO	0	Laboratory control samples (LCS):			r –	1	1					
		were all COCs included in the LCS?			I			<b> </b>				
		Was each LCS taken through the entire analytical proc	cedure, including prep and cleanup steps?	X								
		Were LCSs analyzed at the required frequency?		X								
		Were LCS (and LCSD, if applicable) %Rs within the lab	oratory QC limits?	X								
		Does the detectability check sample data document the	ne laboratory's capability to detect the COCs at the MDL	l x								
		used to calculate the SDLs?					<u> </u>					
		Was the LCSD RPD within QC limits?		X								
R7	OI	Matrix spike (MS) and matrix spike duplicate (MSD) da	ta									
		Were the project/method specified analytes included	in the MS and MSD?			Х						
		Were MS/MSD analyzed at the appropriate frequency	?			Х						
		Were MS (and MSD, if applicable) %Rs within the labor	ratory QC limits?			Х						
		Were MS/MSD RPDs within laboratory QC limits?				Х						
R8	OI	Analytical duplicate data										
		Were appropriate analytical duplicates analyzed for ea	ach matrix?			Х						
		Were analytical duplicates analyzed at the appropriate	e frequency?			Х						
		Were RPDs or relative standard deviations within the l	aboratory QC limits?			X						
R9	0	Method quantitation limits (MQLs):					1					
1.5		Are the MOLs for each method analyte included in the	laboratory data packaga2		-	1	1	1				
		Are the MQLs for each method analyte included in the		$\hat{}$								
		Do the MQLs correspond to the concentration of the M	owest non-zero calibration standard?									
		Are unadjusted MQLs and DCSs included in the labora	atory data package?	X								
R10	0	Other problems/anomalies		<b>I</b> .	-	-	-					
		Are all known problems/anomalies/special conditions	noted in this LRC and ER?	X	L	<b> </b>						
		Was applicable and available technology used to lowe	er the SDL to minimize the matrix interference effects on	X								
		the sample results?		<u> </u>				┞───┤				
		Is the laboratory NELAC-accredited under the Texas L	aporatory Accreditation Program for the analytes, matrices	X								
1 1+0-	meide	the interious associated with this laboratory data pact	any data packago submitted in the TDDD required recent(a)	Itoma i	l dontifi -	d by th	0.10#0"	"c"				
shoul	d be r	etained and made available upon request for the appro-	priate retention period.	nerris l	Jentine	աստուլ	e iellel	3				
2. 0	= orga	nic analyses; I = inorganic analyses (and general chem	istry, when applicable);									
3. NA	A = No	t applicable; t roviowod:										
1 H. INF	. – 140.											

5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

PROJECT: 174763 SDG: L1640337 **PAGE:** 6 of 13
			LDC Date: 07/24/2022 17:07												
Lab	orato	ry Name: Pace Analytical National	LRC Date: 07/31/2023 17:07												
Proj	ect N	lame: Tedlars, New Mexico Samples	Laboratory Job Number: L1640337-01												
Rev	iewe	r Name: Justin Carr	Prep Batch Number(s): WG2104007												
# <sup>1</sup>	A <sup>2</sup>	Description	Yes No NA <sup>3</sup> NR <sup>4</sup>												
S1	OI	Initial calibration (ICAL)													
		Were response factors and/or relative response factors	s for each analyte within QC limits?	X			I								
		Were percent RSDs or correlation coefficient criteria m	et?	X											
		Was the number of standards recommended in the me	thod used for all analytes?	X											
		Were all points generated between the lowest and hig	hest standard used to calculate the curve?	X											
		Are ICAL data available for all instruments used?		X			1								
		Has the initial calibration curve been verified using an	appropriate second source standard?	X											
S2	0	Initial and continuing calibration verification (ICCV and	CCV) and continuing calibration blank (CCB):												
		Was the CCV analyzed at the method-required frequer		X	1	Т	T								
		Were percent differences for each analyte within the m	nethod-required QC limits?	X											
		Was the ICAL curve verified for each analyte?		X											
		Was the absolute value of the analyte concentration in	the inorganic CCB $\leq$ MDL?			X									
53	0	Mass spectral tuning				~									
00	Ŭ	Was the appropriate compound for the method used for	or tuning?	T x	1	Т	T								
		Were ion abundance data within the method-required	$\Omega$ limits?				<u> </u>								
S/1	$\cap$	Internal standards (IS)					<u> </u>	L							
54		Were IS area counts and retention times within the me	thad required OC limits?		1	1	T								
<b>SE</b>		Paw data (NELAC Soction 5.5.10)					1	<u> </u>							
35		Neve the row date (for example, shremetegrame, spee	tral data) ravioused by an analyst?		1	T	T								
		Were data approximated with manual interretions flags	Sctrai data) reviewed by an analyst?												
66		Puel eelumen confirmation													
50	0	Dual column confirmation	required QC2	1		1									
67		Did dual column commation results meet the method													
57	0	I entatively identified compounds (TICs)	) dete subjectite communiste charalis?	1	1		1								
		If TICs were requested, were the mass spectra and TIC	data subject to appropriate checks?			X		L							
58		Interference Check Sample (ICS) results		T	r –		T								
	1.	Were percent recoveries within method QC limits?				X		L							
59		Serial dilutions, post digestion spikes, and method of s	tandard additions	<b>1</b>	<b>1</b>		T								
		Were percent differences, recoveries, and the linearity	within the QC limits specified in the method?			X		<u> </u>							
S10	0	Method detection limit (MDL) studies	•		1	1	-								
		Was a MDL study performed for each reported analyte	?	X											
~		Is the MDL either adjusted or supported by the analysis	s of DCSs?	X				L							
S11	0	Proficiency test reports		1	-	-	-								
040		Was the laboratory's performance acceptable on the a	pplicable proficiency tests or evaluation studies?	X				L							
S12	0	Standards documentation		1	1	-	T								
		Are all standards used in the analyses NIST-traceable of	or obtained from other appropriate sources?	X											
S13	OI	Compound/analyte identification procedures	· · · · · · · · · · · · · · · · · · ·	1	<b>1</b>		1								
		Are the procedures for compound/analyte identificatio	n documented?	X											
S14	OI	Demonstration of analyst competency (DOC)			1										
		Was DOC conducted consistent with NELAC Chapter 5	?	X	<u> </u>		L	$\square$							
		Is documentation of the analyst's competency up-to-da	date and on file? X												
S15	OI	Verification/validation documentation for methods (NE	_AC Chapter 5)		-	_	-								
		Are all the methods used to generate the data docume	ented, verified, and validated, where applicable?	X											
S16	OI	Laboratory standard operating procedures (SOPs)			_										
		Are laboratory SOPs current and on file for each method	od performed	X											
<ol> <li>Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "should be retained and made available upon request for the appropriate retention period.</li> <li>O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);</li> <li>NA = Not applicable;</li> </ol>							"S"								
.4. Nh	< = NO	reviewed:													

5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

SDG: L1640337 DATE/TIME: 07/31/23 17:07

# Revised May 2010 Laboratory Review Checklist: Exception Reports

ER # <sup>1</sup> Description	
Reviewer Name: Justin Carr	Prep Batch Number(s): WG2104007
Project Name: Tedlars, New Mexico Samples	Laboratory Job Number: L1640337-01
Laboratory Name: Pace Analytical National	LRC Date: 07/31/2023 17:07

The Exception Report intentionally left blank, there are no exceptions applied to this SDG.

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);

NA = Not applicable;
 NR = Not reviewed;

5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

### SAMPLE RESULTS - 01 L1640337

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Sc

# Volatile Organic Compounds (MS) by Method TO-15

										——————————————————————————————————————
	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch	
Analyte			ppbv	ug/m3	ppbv	ug/m3				2
Benzene	71-43-2	78.10	20.0	63.9	186	594		100	WG2104007	Tc
TPH (GC/MS) Low Fraction	8006-61-9	101	20000	82600	196000	810000		100	WG2104007	
Ethylbenzene	100-41-4	106	20.0	86.7	100	434		100	WG2104007	<sup>3</sup> S c
MTBE	1634-04-4	88.10	20.0	72.1	ND	ND		100	WG2104007	55
Toluene	108-88-3	92.10	50.0	188	292	1100		100	WG2104007	4
Xylenes, Total	1330-20-7	106.16	60.0	261	1010	4390		100	WG2104007	Cn
m&p-Xylene	1330-20-7	106	40.0	173	789	3420		100	WG2104007	
o-Xylene	95-47-6	106	20.0	86.7	219	949		100	WG2104007	<sup>5</sup> Tr
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		108				WG2104007	

Volatile Organic Compounds (MS) by Method TO-15

# QUALITY CONTROL SUMMARY

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## Method Blank (MB)

(MB) R3954651-3	07/29/23 09:42

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ppbv		ppbv	ppbv
Benzene	U		0.0715	0.200
TPH (GC/MS) Low Fraction	U		39.7	200
Ethylbenzene	U		0.0835	0.200
MTBE	U		0.0647	0.200
Toluene	U		0.0870	0.500
Xylenes, Total	U		0.135	0.600
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	98.5			60.0-140

# Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3954651-1 07/29/23 08:16 • (LCSD) R3954651-2 07/29/23 09:00												
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits		
Analyte	ppbv	ppbv	ppbv	%	%	%			%	%		
Benzene	3.75	3.88	3.83	103	102	70.0-130			1.30	25		
TPH (GC/MS) Low Fraction	188	177	174	94.1	92.6	70.0-130			1.71	25		
Ethylbenzene	3.75	3.83	3.88	102	103	70.0-130			1.30	25		
MTBE	3.75	3.83	3.78	102	101	70.0-130			1.31	25		
Toluene	3.75	3.80	3.80	101	101	70.0-130			0.000	25		
Xylenes, Total	11.3	11.6	11.6	103	103	70.0-130			0.000	25		
m&p-Xylene	7.50	7.73	7.72	103	103	70.0-130			0.129	25		
o-Xylene	3.75	3.83	3.83	102	102	70.0-130			0.000	25		
(S) 1,4-Bromofluorobenzene				99.4	99.7	60.0-140						

DATE/TIME: 07/31/23 17:07 PAGE: 10 of 13

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

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

SDG: L1640337 DATE/TIME: 07/31/23 17:07

# Received by OCD: 4/1/2024 12:37:07 PM CCREDITATIONS & LOCATIONS

Page	150	of	202
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Pace Analytical Nati	onal 12065 Lebanon Rd Mc	ount 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 <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
lowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky <sup>16</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>14</sup>	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		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> 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.

SDG: L1640337 DATE/TIME: 07/31/23 17:07 <sup>³</sup>Ss <sup>⁴</sup>Cn <sup>⁵</sup>Tr <sup>6</sup>Sr <sup>7</sup>Qc <sup>8</sup>Gl <sup>9</sup>Al

Τс

Plains All American Pipeline - ETECH PO Box 62228 Midland, TX 79711			Accounts Payable 333 Clay St Suite 1600			Pres Chk			the colored	Analysis	/ Conta	iner / Pr	eservative			Chain of Custon	Pageals <u>1</u> of 2 2CC <sup>*</sup> Le Advancing science
Report to: Joel Lowery			Email To: joel@etechenv.com;miquel@etechenv.com;zac										Sec. 1			MT J 12065 Lebanon Rd N	ULIET, TN Jount Juliet, TN 37122
Project Description: Tedlars, New Mexico Samples		City/State Collected:	Rural Le	a Co. NM	Please C PT MT	ircle: CT ET					15		1.1			constitutes acknowle Pace Terms and Cond https://info.pacelabs.	dgment and acceptance of itions found at: .com/hubfs/pas-standard-
Phone: 575.264.9884	Client Project	#		Lab Project # PLAINSETE	CH - NM AIR		a state							1. 150		SDG #	6403
Collected by (print): <u>Mavel Ramirez</u> Collected by (signature):	Site/Facility II	#31		P.O. # 2009	-084		dlar									Acctnum: PL	AINSETECH
Immediately Packed on Ice N Y	Same Da Same Da Next Da Two Day Three D	ay Five   ay Five   iy 5 Day y 10 Da lay	Notified) Day (Rad Only) Iy (Rad Only)	Date Resu	lts Needed	No.	FEDLAR Te				1					Template: <b>T2</b> Prelogin: <b>P10</b> PM: <b>3587 - Lo</b> PB:	30533 100245 ri A Vahrenkam
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	0-15				1.5					Shipped Via: F	edEX Ground
EFF-1 (072823)	G	Air	-	7/28/23	08:40	1	X										-01
		Air				-	New York	-	1		1000	_	Charles I			-	1
		Air							1612.5	-				-			
		Air					-		2.5				1				No. A sur
		Air											E.S.		1		
	1	Air											F. C				
		Air			1							_	Sec. 1				
	1	Air					172		1				2 - 5	16			
		Air											SE				
Matrix: Rer S - Soil AIR - Air F - Filter W - Groundwater B - Bioassay WW - WasteWater	marks:	(5:								pH Flow		_ Temp _ Other		COC COC Bot	<u>Sam</u> Seal P Signed tles ar	ple Receipt Ch Present/Intact /Accurate: rive intact:	ecklist NP Y
DW - Drinking Water Sar	mples returned UPS FedEx	via: Courier	Track	ing# 63	37	20	149	C	9053			Suf	ficient Zero H	volume sent: <u>If Applicab</u> eadspace:			
Relinquished by : (Signature)		te: 7/28/2	3 IC	0:04 C	ved by: (Signat	ure)	G		T	rip Blan	k Receiv	/ed: Ye	s No ICL / MeoH BR	Pre	servati Screen	on Correct/Ch <0.5 mR/hr:	ecked: ZY =
Relinquished by : (Signature)	Da	te:	Time	Recei	ved by: (Signat	ure)				Temp: °C Bottles Received:				If pr	reservatio	on required by Lo	gin: Date/Time
Relinquished by : (Signature)	Da	te:	Time	Rece	ved for lab.by:	(Signat	are)	0	7	Date:	3/23	Time	" and	) Hol	d:	a Trates	Condition: NCF / OK

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# Plains All American Pipeline - ETECH

August 31, 2023

Sample Delivery Group: Samples Received: Project Number: Description: Site:

Report To:

L1650106 08/26/2023 2009-084 Tedlars, New Mexico Samples DCP#31 Joel Lowery PO Box 62228 Midland, TX 79711

Οp
<sup>2</sup> Tc
<sup>3</sup> Ss
<sup>4</sup> Cn
⁵Tr
<sup>6</sup> Sr
<sup>7</sup> Qc
<sup>8</sup> Gl
<sup>9</sup> Al
<sup>10</sup> Sc

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

Released to Imaging: %/1/2024 4:41:28 PM Plains All American Pipeline - ETECH

PROJECT: 2009-084

SDG: L1650106

DATE/TIME: 08/31/23 15:45 PAGE: 1 of 13

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Cn: Case Narrative	4
Tr: TRRP Summary	5
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TRRP Exception Reports	8
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EFF1(082523) L1650106-01	9
Qc: Quality Control Summary	10
Volatile Organic Compounds (MS) by Method TO-15	10
GI: Glossary of Terms	11
Al: Accreditations & Locations	12
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1	Sc

SDG: L1650106 DATE/TIME:

PAGE: 2 of 13 Received by OCD: 4/1/2024 12:37:07 PM

# SAMPLE SUMMARY

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			Collected by	Collected date/time	Received date	/time
EFF1(082523) L1650106-01 Air			Miguel Ramirez	08/25/23 08:10	08/26/23 09:0	0
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Volatile Organic Compounds (MS) by Method TO-15	WG2121579	100	08/26/23 20:23	08/26/23 20:23	DBB	Mt. Juliet, TN

IC
<sup>3</sup> Ss
<sup>4</sup> Cn
⁵Tr
<sup>6</sup> Sr
<sup>7</sup> Qc
<sup>®</sup> Gl
<sup>9</sup> Al
<sup>10</sup> Sc

Released to Imaging: 3/1/2024 4:41:28 PM Plains All American Pipeline - ETECH PROJECT: 2009-084

SDG: L1650106 DATE/TIME: 08/31/23 15:45

TIME: 15:45 PAGE: 3 of 13

# 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

### Sample Delivery Group (SDG) Narrative

Sample received in tedlar bag.

Lab Sample ID

Project Sample ID EFF1(082523) Method TO-15



This data package consists of this signature page, the laboratory review checklist, and the following reportable data as applicable:

- R1 Field chain-of-custody documentation;
- R2 Sample identification cross-reference;
- R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a. Items consistent with NELAC Chapter 5,
  - b. dilution factors,
  - c. preparation methods,
  - d. cleanup methods, and
  - e. if required for the project, tentatively identified compounds (TICs).
- R4 Surrogate recovery data including:
  - a. Calculated recovery (%R), and
  - b. The laboratory's surrogate QC limits.
- R5 Test reports/summary forms for blank samples;
- R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - LCS spiking amounts,
  - b. Calculated %R for each analyte, and
  - c. The laboratory's LCS QC limits.
- R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - Samples associated with the MS/MSD clearly identified.
  - b. MS/MSD spiking amounts,
  - Concentration of each MS/MSD analyte measured in the parent and spiked samples, C.
  - d. Calculated %Rs and relative percent differences (RPDs), and
  - e. The laboratory's MS/MSD QC limits
- R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a. The amount of analyte measured in the duplicate,
  - b. The calculated RPD, and
  - c. The laboratory's QC limits for analytical duplicates.
- R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte
  - for each method and matrix.
- R10 Other problems or anomalies.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Lori A Vahrenkamp Project Manager

Laborato	ory Name: Pace Analytical National	LRC Date: 08/31/2023 15:45								
Project N	Name: Tedlars, New Mexico Samples	Laboratory Job Number: L1650106-01								
Reviewe	er Name: Lori A Vahrenkamp	Prep Batch Number(s): WG2121579								
# <sup>1</sup> A <sup>2</sup>	Description		Yes	No	NA <sup>3</sup>	NR <sup>4</sup>	ER# <sup>5</sup>			
R1 OI	Chain-of-custody (C-O-C)				•					
	Did samples meet the laboratory's standard conditions	of sample acceptability upon receipt?								
	Were all departures from standard conditions describe	d in an exception report?			Х					
R2 OI	Sample and quality control (QC) identification									
	Are all field sample ID numbers cross-referenced to the	e laboratory ID numbers?	Х							
	Are all laboratory ID numbers cross-referenced to the o	corresponding QC data?	Х							
R3 OI	Test reports						•			
	Were all samples prepared and analyzed within holding	g times?	X							
	Other than those results < MQL, were all other raw values	ies bracketed by calibration standards?	X							
	Were calculations checked by a peer or supervisor?		X							
	Were all analyte identifications checked by a peer or su	upervisor?	X			1				
	Were sample detection limits reported for all analytes r	not detected?	Х	1						
	Were all results for soil and sediment samples reported	l on a dry weight basis?	X							
	Were % moisture (or solids) reported for all soil and sec	liment samples?			Х					
	Were bulk soils/solids samples for volatile analysis extr	acted with methanol per SW846 Method 5035?			X					
	If required for the project, are TICs reported?	·····			X					
R4 O	Surrogate recovery data				1	•				
	Were surrogates added prior to extraction?		X	<b>I</b>	T	1				
	Were surrogate percent recoveries in all samples within	n the laboratory QC limits?	X							
R5 OI	Test reports/summary forms for blank samples			I	1	1				
	Were appropriate type(s) of blanks analyzed?		X	<u> </u>	T	1	<u> </u>			
	Were blanks analyzed at the appropriate frequency?		X							
	Were method blanks taken through the entire analytics	I process including proparation and if applicable								
	cleanup procedures?	in process, including preparation and, in applicable,	X							
	Were blank concentrations < MQL?		Х							
R6 OI	Laboratory control samples (LCS):				•	•				
	Were all COCs included in the LCS?		Х							
	Was each LCS taken through the entire analytical proce	edure, including prep and cleanup steps?	X							
	Were LCSs analyzed at the required frequency?		Х							
	Were LCS (and LCSD, if applicable) %Rs within the labo	ratory QC limits?	Х							
	Does the detectability check sample data document th	e laboratory's capability to detect the COCs at the MDL	v							
	used to calculate the SDLs?		^							
	Was the LCSD RPD within QC limits?		Х							
R7 OI	Matrix spike (MS) and matrix spike duplicate (MSD) data	3	_							
	Were the project/method specified analytes included in	n the MS and MSD?			Х					
	Were MS/MSD analyzed at the appropriate frequency?				Х					
	Were MS (and MSD, if applicable) %Rs within the labora	atory QC limits?			Х					
	Were MS/MSD RPDs within laboratory QC limits?				Х					
R8 OI	Analytical duplicate data									
	Were appropriate analytical duplicates analyzed for ea	ch matrix?			Х					
	Were analytical duplicates analyzed at the appropriate	frequency?			Х					
	Were RPDs or relative standard deviations within the la	boratory QC limits?			Х					
R9 OI	Method quantitation limits (MQLs):									
	Are the MQLs for each method analyte included in the	laboratory data package?	Х							
	Do the MQLs correspond to the concentration of the lo	west non-zero calibration standard?	Х							
	Are unadjusted MQLs and DCSs included in the labora	tory data package?	Х							
R10 OI	Other problems/anomalies						-			
	Are all known problems/anomalies/special conditions r	noted in this LRC and ER?	X							
	Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on									
	the sample results?									
	Is the laboratory NELAC-accredited under the Texas La	aboratory Accreditation Program for the analytes, matrices	x							
1 4	and methods associated with this laboratory data pack		  +==	ما م <i>بر دا</i> رد		 	"C"			
should be	enumed by the letter R <sup>®</sup> must be included in the laborator retained and made available upon request for the approp	ry using package submitted in the TRRP-required report(s).	items in	uentifie	eu by th	e letter	5			
2. O = orga	anic analyses; I = inorganic analyses (and general chemis	stry, when applicable);								
3. NA = Nc   4. NR = Nc   3. NA = Nc   3. NR = Nc   3	ot applicable;									

5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

PROJECT: 2009-084

SDG: L1650106 PAGE: 6 of 13

Lab	t.	w / News, Dees Analytical National	L DC Data: 08/21/2022 15:45								
Proj	ect N	lame: Tedlars, New Mexico Samples	Laboratory Job Number: L1650106-01								
Rev	iewe	r Name: Lori A Vahrenkamp	Prep Batch Number(s): WG2121579								
# <sup>1</sup>	A <sup>2</sup>	Description		Yes	No	NA <sup>3</sup>	NR <sup>4</sup>	ER# <sup>5</sup>			
S1	OI	Initial calibration (ICAL)									
		Were response factors and/or relative response factors	s for each analyte within QC limits?	X							
		Were percent RSDs or correlation coefficient criteria m	et?	X	1						
		Was the number of standards recommended in the me	thod used for all analytes?	X							
		Were all points generated between the lowest and hig	hest standard used to calculate the curve?	X							
		Are ICAL data available for all instruments used?		X			1				
		Has the initial calibration curve been verified using an	appropriate second source standard?	X							
S2	OI	Initial and continuing calibration verification (ICCV and	CCV) and continuing calibration blank (CCB):	,.							
		Was the CCV analyzed at the method-required frequer	ncy?	X							
		Were percent differences for each analyte within the m	nethod-required QC limits?	X							
		Was the ICAL curve verified for each analyte?	· · · · · · · · · · · · · · · · · · ·	X							
		Was the absolute value of the analyte concentration in	the inorganic CCB < MDL?	1		Х	1				
S3	0	Mass spectral tuning	5	-			•				
		Was the appropriate compound for the method used for	or tunina?	Тх		1	Γ				
		Were ion abundance data within the method-required	QC limits?	Ι x							
S4	0	Internal standards (IS)		-			•				
		Were IS area counts and retention times within the me	thod-required QC limits?	Тх		Т	Г				
S5	0	Raw data (NELAC Section 5.5.10)		1			1				
		Were the raw data (for example, chromatograms, spec	tral data) reviewed by an analyst?	Тх		Т	Г	r			
		Were data associated with manual integrations flagged on the raw data?									
S6	0	Dual column confirmation		1 ~			1				
	-	Did dual column confirmation results meet the method	-required QC?	Т		X	Г	r			
57	0	Tentatively identified compounds (TICs)		1	1						
		If TICs were requested, were the mass spectra and TIC	data subject to appropriate checks?	Т		X	1				
58	1	Interference Check Sample (ICS) results		1			I				
		Were percent recoveries within method QC limits?		T		X	T				
59	1	Serial dilutions, post digestion spikes, and method of s	tandard additions	<u> </u>		1	1				
		Were percent differences, recoveries, and the linearity	within the QC limits specified in the method?	Т	1	X	T				
S10	0	Method detection limit (MDL) studies		<u> </u>	1	1	1				
0.0	0.	Was a MDL study performed for each reported analyte	?	Тх		1	1				
		Is the MDL either adjusted or supported by the analysis	s of DCSs?								
S11	0	Proficiency test reports		<u> </u>	1		1				
•	0.	Was the laboratory's performance acceptable on the a	pplicable proficiency tests or evaluation studies?	Тх		1	1	1			
S12	0	Standards documentation					<u> </u>				
		Are all standards used in the analyses NIST-traceable	or obtained from other appropriate sources?	Тх		1	T				
S13	0	Compound/analyte identification procedures		1			1				
		Are the procedures for compound/analyte identificatio	n documented?	Тх		Т	Г	r			
S14	0	Demonstration of analyst competency (DOC)		<u> </u>	1						
•••	0.	Was DOC conducted consistent with NELAC Chapter 5	37	Тх		1	1				
		Is documentation of the analyst's competency un-to-date and on file?									
S15	OI	Verification/validation documentation for methods (NFI	AC Chapter 5)			-	1				
0.0	Are all the methods used to generate the data documented, verified, and validated, where applicable?										
S16	OL Laboratory standard operating procedures (SOPs)										
0.0		Are laboratory SOPs current and on file for each metho	nd performed	Τ×			1				
1. Iter shoul 2. O	1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.         2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);										
4. NR	3. NA = Not applicable;										

5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

SDG: L1650106

D/ 08/

Laboratory Name: Pace Analytical National	LRC Date: 08/31/2023 15:45
Project Name: Tedlars, New Mexico Samples	Laboratory Job Number: L1650106-01
Reviewer Name: Lori A Vahrenkamp	Prep Batch Number(s): WG2121579
ER # <sup>1</sup> Description	

The Exception Report intentionally left blank, there are no exceptions applied to this SDG.

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);

NA = Not applicable;
 NR = Not reviewed;

5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

#### SAMPLE RESULTS - 01 L1650106

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Sr

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ΆI

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## Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch	
Analyte			ppbv	ug/m3	ppbv	ug/m3				, i i i i i i i i i i i i i i i i i i i
Benzene	71-43-2	78.10	20.0	63.9	392	1250		100	WG2121579	
TPH (GC/MS) Low Fraction	8006-61-9	101	20000	82600	316000	1310000		100	WG2121579	
Ethylbenzene	100-41-4	106	20.0	86.7	94.3	409		100	WG2121579	
MTBE	1634-04-4	88.10	20.0	72.1	ND	ND		100	WG2121579	
Toluene	108-88-3	92.10	50.0	188	300	1130		100	WG2121579	Γ
Xylenes, Total	1330-20-7	106.16	60.0	261	1230	5340		100	WG2121579	
m&p-Xylene	1330-20-7	106	40.0	173	1000	4340		100	WG2121579	L
o-Xylene	95-47-6	106	20.0	86.7	235	1020		100	WG2121579	
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		130				WG2121579	

9 of 13

Volatile Organic Compounds (MS) by Method TO-15

# QUALITY CONTROL SUMMARY

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#### Method Blank (MB)

(MB) R3966148-3	08/26/23 11:07

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ppbv		ppbv	ppbv
Benzene	U		0.0715	0.200
TPH (GC/MS) Low Fraction	39.7	<u>J</u>	39.7	200
Ethylbenzene	U		0.0835	0.200
MTBE	U		0.0647	0.200
Toluene	U		0.0870	0.500
Xylenes, Total	U		0.135	0.600
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	104			60.0-140

## Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3966148-1 08/26/23 10:09 • (LCSD) R3966148-2 08/26/23 10:39										
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	ppbv	ppbv	ppbv	%	%	%			%	%
Benzene	3.75	3.29	3.41	87.7	90.9	70.0-130			3.58	25
TPH (GC/MS) Low Fraction	188	179	182	95.2	96.8	70.0-130			1.66	25
Ethylbenzene	3.75	3.46	3.67	92.3	97.9	70.0-130			5.89	25
MTBE	3.75	3.41	3.54	90.9	94.4	70.0-130			3.74	25
Toluene	3.75	3.60	3.74	96.0	99.7	70.0-130			3.81	25
Xylenes, Total	11.3	11.6	12.2	103	108	70.0-130			5.04	25
m&p-Xylene	7.50	7.74	8.14	103	109	70.0-130			5.04	25
o-Xylene	3.75	3.84	4.05	102	108	70.0-130			5.32	25
(S) 1,4-Bromofluorobenzene				113	110	60.0-140				

DATE/TIME: 08/31/23 15:45 PAGE: 10 of 13

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

J

The identification of the analyte is acceptable; the reported value is an estimate.

SDG: L1650106 DATE/TIME: 08/31/23 15:45

# Received by OCD: 4/1/2024 12:37:07 PM CCREDITATIONS & LOCATIONS

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Pace Analytical Nat	tional 12065 Lebanon Rd Mo	unt 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 <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
lowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky <sup>16</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>14</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	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		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> 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.

SDG: L1650106 DATE/TIME: 08/31/23 15:45

Plains All American Pip	<i>07 PM</i> eline - ETE	сн	Billing Info	rmation: s Payable		Pres		1	Analysis	/ Contain	er / Preservativ	P	-	Chain of Custod	Pageª164-of	
PO Box 62228 Midland, TX 79711			333 Clay Suite 16 Houston	o St 00 n, TX 77002		Cirk		2		1			1		ACC ADVANCING SCIENCE	
Report to: Joel Lowery			Email To: joel@etec	henv.com;migue	l@etechenv.c	om;zac	16	13						12065 Lebanon Rd Mo Submitting a sample vi	MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody	
Project Description: Tedlars, New Mexico Samples		City/State Collected:	1.4.1		Please O PT MT	Circle: CT ET	28							constitutes acknowled Pace Terms and Condit https://info.pacelabs.c terms.pdf	gment and acceptance of ions found at: om/hubfs/pas-standard-	
Phone: 575-318-1735	Client Project	# 09-0	84	Lab Project # PLAINSETEC	H - NM AIF	ł		-						SDG # L.V	656101 095	
Collected by (print):	Site/Facility ID	*#3	1	P.O. #			lar			- 1				Acctnum: PLA	INSETECH	
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Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	ro-15	1		100				Shipped Via: F Remarks	Sample # (lab o	
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' Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater	emarks:								pH Flor	w	Temp Other	-	<u>S</u> COC Seal COC Sign Bottles Correct	ample Receipt C Present/Intact ed/Accurate: arrive intact: bottles used:	i NP Y	
DW - Drinking Water OT - Other	Samples returned UPSFedEx	l via: Courier		Trac	king # 6.	337	2	249	90	20			Sufficie VOA Zero Preserva	nt volume sent: <u>If Applicat</u> Headspace: tion Correct/Ch	ole ecked: Y	
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Relinquished by : (Signature)	D	ate:	Tim	e: Rece	eived for lab b	y: (Signat	ture)	(8)	Date:	261-	Time:	ton	Hold:		Condition	

Received by OCD: 4/1/2024 12:37:07 PM



# **Plains All American Pipeline - ETECH**

October 05, 2023

Sample Delivery Group: Samples Received: Project Number: Description: Site: Report To:

L1661255 09/30/2023 2009-084 Tedlars, New Mexico Samples DCP # 31 Joel Lowery PO Box 62228 Midland, TX 79711

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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

Released to Imaging: %/1/2024 4:41:28 PM Plains All American Pipeline - ETECH

PROJECT: 2009-084

SDG: L1661255

DATE/TIME: 10/05/23 16:59

PAGE: 1 of 14

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EFF 1 (092923) L1661255-01	9
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Volatile Organic Compounds (MS) by Method TO-15	10
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- 1-	
<sup>2</sup> Tc	
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⁵Tr	
<sup>6</sup> Sr	
<sup>7</sup> Qc	
<sup>°</sup> Gl	
<sup>9</sup> Al	
<sup>10</sup> Sc	

Released to Imaging: 3/1/2024 4:41:28 PM Plains All American Pipeline - ETECH

PROJECT: 2009-084

SDG: L1661255

DATE/TIME: 10/05/23 16:59

PAGE: 2 of 14 Received by OCD: 4/1/2024 12:37:07 PM

# SAMPLE SUMMARY

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			Collected by	Collected date/time	Received date	/time
EFF1(092923) L1661255-01 Air			Miguel Ramirez	09/29/23 10:00	09/30/23 09:0	0
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Volatile Organic Compounds (MS) by Method TO-15	WG2142374	1	09/30/23 20:02	09/30/23 20:02	SDS	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG2142766	100	10/01/23 15:19	10/01/23 15:19	DAH	Mt. Juliet, TN



Ср

SDG: L1661255 DATE/TIME: 10/05/23 16:59

PAGE: 3 of 14

# 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

### Sample Delivery Group (SDG) Narrative

Sample	received	in	tedlar	bag
--------	----------	----	--------	-----

Lab Sample ID L1661255-01

Project Sample ID EFF 1 (092923)

Method TO-15



SDG: L1661255

DATE/TIME: 10/05/23 16:59 PAGE: 4 of 14

This data package consists of this signature page, the laboratory review checklist, and the following reportable data as applicable:

- R1 Field chain-of-custody documentation;
- R2 Sample identification cross-reference;
- R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a. Items consistent with NELAC Chapter 5,
  - b. dilution factors,
  - c. preparation methods,
  - d. cleanup methods, and
  - e. if required for the project, tentatively identified compounds (TICs).
- R4 Surrogate recovery data including:
  - a. Calculated recovery (%R), and
  - b. The laboratory's surrogate QC limits.
- R5 Test reports/summary forms for blank samples;
- R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - LCS spiking amounts,
  - b. Calculated %R for each analyte, and
  - c. The laboratory's LCS QC limits.
- R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - Samples associated with the MS/MSD clearly identified.
  - b. MS/MSD spiking amounts,
  - Concentration of each MS/MSD analyte measured in the parent and spiked samples, C.
  - d. Calculated %Rs and relative percent differences (RPDs), and
  - e. The laboratory's MS/MSD QC limits
- R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a. The amount of analyte measured in the duplicate,
  - b. The calculated RPD, and
  - c. The laboratory's QC limits for analytical duplicates.
- R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte

for each method and matrix.

R10 - Other problems or anomalies.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Lori A Vahrenkamp Project Manager

Lab	orato	ry Name: Pace Analytical National	LRC Date: 10/05/2023 16:59					
Proj	ect N	lame: Tedlars, New Mexico Samples	Laboratory Job Number: L1661255-01					
Rev	iewei	r Name: Lori A Vahrenkamp	Prep Batch Number(s): WG2142374 and WG2142766					
#1	A <sup>2</sup>	Description		Yes	No	NA <sup>3</sup>	NR⁴	ER# <sup>5</sup>
R1	OI	Chain-of-custody (C-O-C)		1	1		1	
	_	Did samples meet the laboratory's standard conditions	of sample acceptability upon receipt?	X	1	Т	1	
		Were all departures from standard conditions describe	d in an exception report?			Х	1	
R2	OI	Sample and quality control (QC) identification					•	•
		Are all field sample ID numbers cross-referenced to the	e laboratory ID numbers?	Х			Τ	
		Are all laboratory ID numbers cross-referenced to the	corresponding QC data?	Х			1	
R3	OI	Test reports						-
		Were all samples prepared and analyzed within holding	g times?	Х				
		Other than those results < MQL, were all other raw values	ues bracketed by calibration standards?	Х				
		Were calculations checked by a peer or supervisor?		Х				
		Were all analyte identifications checked by a peer or s	upervisor?	Х				
		Were sample detection limits reported for all analytes r	not detected?	Х				
		Were all results for soil and sediment samples reported	d on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and see	diment samples?			Х		
		Were bulk soils/solids samples for volatile analysis extr	racted with methanol per SW846 Method 5035?	1		Х		
		If required for the project, are TICs reported?				Х		
R4	0	Surrogate recovery data						
		Were surrogates added prior to extraction?		Х				
		Were surrogate percent recoveries in all samples withi	n the laboratory QC limits?		Х			1
R5	OI	Test reports/summary forms for blank samples						
		Were appropriate type(s) of blanks analyzed?		Х				
		Were blanks analyzed at the appropriate frequency?		X				
		Were method blanks taken through the entire analytica cleanup procedures?	al process, including preparation and, if applicable,	х				
		Were blank concentrations < MQL?		Х				
R6	OI	Laboratory control samples (LCS):						
		Were all COCs included in the LCS?		Х				
		Was each LCS taken through the entire analytical proc	edure, including prep and cleanup steps?	Х				
		Were LCSs analyzed at the required frequency?		Х				
		Were LCS (and LCSD, if applicable) %Rs within the labo	pratory QC limits?	Х				
		Does the detectability check sample data document th used to calculate the SDLs?	e laboratory's capability to detect the COCs at the MDL	x				
		Was the LCSD RPD within QC limits?		Х				
R7	OI	Matrix spike (MS) and matrix spike duplicate (MSD) dat	а	-		_	_	
		Were the project/method specified analytes included in	n the MS and MSD?			Х		
		Were MS/MSD analyzed at the appropriate frequency?				Х		
		Were MS (and MSD, if applicable) %Rs within the labora	atory QC limits?			Х		
		Were MS/MSD RPDs within laboratory QC limits?				Х		
R8	OI	Analytical duplicate data						
		Were appropriate analytical duplicates analyzed for ea	ch matrix?			Х		
		Were analytical duplicates analyzed at the appropriate	frequency?			Х		
		Were RPDs or relative standard deviations within the la	aboratory QC limits?			Х		
R9	OI	Method quantitation limits (MQLs):						
		Are the MQLs for each method analyte included in the	laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lo	owest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the labora	tory data package?	X				
R10	OI	Other problems/anomalies			_	-		
		Are all known problems/anomalies/special conditions r	noted in this LRC and ER?	X		<b>_</b>	L	
		Was applicable and available technology used to lowe the sample results?	r the SDL to minimize the matrix interference effects on	х				
		Is the laboratory NELAC-accredited under the Texas La and methods associated with this laboratory data pack	aboratory Accreditation Program for the analytes, matrices age?	x				
1. Iter shoul 2. O 3. NA 4. NF 5. ER	ms ide d be re = orga A = Not R = Not # = Ex	ntified by the letter "R" must be included in the laborato etained and made available upon request for the approp nic analyses; I = inorganic analyses (and general chemis t applicable; ; reviewed; ception Report identification number (an Exception Rep	ry data package submitted in the TRRP-required report(s). oriate retention period. stry, when applicable); ort should be completed for an item if "NR" or "No" is chec	ltems i	dentifie	ed by th	e letter	"S"

PROJECT: 2009-084

SDG: L1661255 PAGE: 6 of 14

Labo	orato	ry Name: Pace Analytical National	LRC Date: 10/05/2023 16:59					
Proj	ect N	lame: Tedlars, New Mexico Samples	Laboratory Job Number: L1661255-01					
Revi	ewe	r Name: Lori A Vahrenkamp	Prep Batch Number(s): WG2142374 and WG2142766					
#1	A <sup>2</sup>	Description		Yes	No	NA <sup>3</sup>	NR <sup>4</sup>	ER# <sup>5</sup>
S1	01	Initial calibration (ICAL)						-
		Were response factors and/or relative response factors	s for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria m	et?	X				
		Was the number of standards recommended in the me	thod used for all analytes?	X				
		Were all points generated between the lowest and hig	hest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?		X			1	
		Has the initial calibration curve been verified using an	appropriate second source standard?	X				
S2	0	Initial and continuing calibration verification (ICCV and	CCV) and continuing calibration blank (CCB):	•		•	•	
		Was the CCV analyzed at the method-required frequer		Ιx	1	Т	1	
		Were percent differences for each analyte within the m	ethod-required QC limits?	X				
		Was the ICAL curve verified for each analyte?		X				
		Was the absolute value of the analyte concentration in	the inorganic CCB < MDL?	1		X		
S3	0	Mass spectral tuning		<b>I</b>			1	
	J	Was the appropriate compound for the method used for	or tuning?	Ι x	T		T	
		Were ion abundance data within the method-required	OC limits?	X				
54	0	Internal standards (IS)			I			
54	Ŭ	Were IS area counts and retention times within the ma	thod-required OC limits?		1	Т	T T	r
55		Paw data (NELAC Section 5.5.10)					I	
35		Were the raw data (for example, chromatograms, speci	tral data) roviowod by an analyst?		1	1	1	1
		Were data accordiated with manual integrations flagged	l on the row date?	$\hat{}$				
56		Puel column confirmation					I	
30	0	Dual column confirmation	required QC2	<b>T</b>	1		<b>1</b>	1
67		Tentetively identified compounds (TCc)		I		^	I	
57	0	If TICs were requested were the mass spectre and TIC	data subject to appropriate abacks?	T	1		1	1
60		In these were requested, were the mass spectra and the		<u> </u>				
58		Interference Check Sample (ICS) results		<u> </u>	1	V	<u> </u>	
<u> </u>		Sevial dilutions, next direction only on and method of a		I	<u> </u>		I	
59	I	Serial dilutions, post digestion spikes, and method of s	tandard additions	<b>1</b>	1		1	1
C10		Were percent differences, recoveries, and the linearity	within the QC limits specified in the method?	<u> </u>	<u> </u>	^		
510	0	Method detection limit (MDL) studies	2		r	1	1	-
		was a MDL study performed for each reported analyte	( 					
611		Is the MDL either adjusted or supported by the analysis	s of DCSs?	<u> </u>			I	
STI	0	Proficiency test reports			1	T	1	1
C10		Was the laboratory's performance acceptable on the a	pplicable proficiency tests or evaluation studies?	<u> </u>			I	
512	0	Standards documentation			-	T	r —	1
610		Are all standards used in the analyses NIST-traceable of	or obtained from other appropriate sources?	X			I	
513	0	Compound/analyte identification procedures			1	<b>T</b>	1	1
		Are the procedures for compound/analyte identification	n documented?	X				
S14	0	Demonstration of analyst competency (DOC)	-	1	<u> </u>	-	-	1
		was DOC conducted consistent with NELAC Chapter 5			<u> </u>			<b> </b>
01-		is documentation of the analyst's competency up-to-da	te and on file?	X	I			
S15	0	verification/validation documentation for methods (NEI	AC Chapter 5)	1	r	1	1	
		Are all the methods used to generate the data docume	ented, verified, and validated, where applicable?	X	I	1		
S16	OI	Laboratory standard operating procedures (SOPs)		-	-	-	-	
		Are laboratory SOPs current and on file for each metho	od performed	X				
1. Iter should 2. O 3. NA	ns ide d be re = orga x = Not	ntified by the letter "R" must be included in the laborato etained and made available upon request for the approp nic analyses; I = inorganic analyses (and general chemis t applicable; reviewed:	ry data package submitted in the TRRP-required report(s). riate retention period. stry, when applicable);	ltems i	dentifie	ed by th	e letter	"S"

5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

SDG: L1661255

Laborato	ory Name: Pace Analytical National	LRC Date: 10/05/2023 16:59
Project N	Name: Tedlars, New Mexico Samples	Laboratory Job Number: L1661255-01
Reviewe	r Name: Lori A Vahrenkamp	Prep Batch Number(s): WG2142374 and WG2142766
ER # <sup>1</sup>	Description	
<b>ER #1</b> 1	Description TO-15 WG2142374 1,4-Bromofluorobenzene	L1661255-01: Percent Recovery is outside of established control limits.

NA = Not applicable;
 NA = Not applicable;
 NR = Not reviewed;
 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

#### SAMPLE RESULTS - 01 L1661255

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# Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ug/m3	ppbv	ug/m3			
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2142374
TPH (GC/MS) Low Fraction	8006-61-9	101	20000	82600	163000	673000		100	WG2142766
Ethylbenzene	100-41-4	106	0.200	0.867	23.4	101		1	WG2142374
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2142374
Toluene	108-88-3	92.10	0.500	1.88	68.6	258		1	WG2142374
Xylenes, Total	1330-20-7	106.16	60.0	261	235	1020		100	WG2142766
m&p-Xylene	1330-20-7	106	40.0	173	187	811		100	WG2142766
o-Xylene	95-47-6	106	0.200	0.867	48.3	209		1	WG2142374
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		444		<u>J1</u>		WG2142374
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		99.5				WG2142766

SDG: L1661255

PAGE: 9 of 14 Volatile Organic Compounds (MS) by Method TO-15

# QUALITY CONTROL SUMMARY

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### Method Blank (MB)

(MB) R3980057-3 09	/30/23 09:12
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, ,				
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ppbv		ppbv	ppbv
Benzene	U		0.0715	0.200
Ethylbenzene	U		0.0835	0.200
MTBE	U		0.0647	0.200
Toluene	U		0.0870	0.500
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	100			60.0-140

### Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3980057-1 09/30/23 07:55 • (LCSD) R3980057-2 09/30/23 08:34												
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits		
Analyte	ppbv	ppbv	ppbv	%	%	%			%	%		
Benzene	3.75	4.57	4.51	122	120	70.0-130			1.32	25		
Ethylbenzene	3.75	4.66	4.64	124	124	70.0-130			0.430	25		
MTBE	3.75	4.49	4.56	120	122	70.0-130			1.55	25		
Toluene	3.75	4.46	4.46	119	119	70.0-130			0.000	25		
o-Xylene	3.75	4.50	4.51	120	120	70.0-130			0.222	25		
(S) 1,4-Bromofluorobenzene				100	99.7	60.0-140						

DATE/TIME: 10/05/23 16:59

PAGE: 10 of 14 Тс

Volatile Organic Compounds (MS) by Method TO-15

### QUALITY CONTROL SUMMARY L1661255-01

Page 175 of 202

# Method Blank (MB)

(MB) R3981097-2 10/0	1/23 11:13
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(10) 10001007 2 10/01/20	11.15				
	MB Result	MB Qualifier	MB MDL	MB RDL	2
Analyte	ppbv		ppbv	ppbv	T
TPH (GC/MS) Low Fraction	U		39.7	200	
Xylenes, Total	0.139	J	0.135	0.600	<sup>3</sup> S
m&p-Xylene	0.139	J	0.135	0.400	Ľ
(S) 1,4-Bromofluorobenzene	96.1			60.0-140	4

## Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3981097-1 10/01/23 10:33 • (LCSD) R3981097-3 10/01/23 12:10												
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits		
Analyte	ppbv	ppbv	ppbv	%	%	%			%	%		
TPH (GC/MS) Low Fraction	188	186	199	98.9	106	70.0-130			6.75	25		
Xylenes, Total	11.3	12.4	13.2	110	117	70.0-130			6.25	25		
m&p-Xylene	7.50	8.48	8.92	113	119	70.0-130			5.06	25		
(S) 1,4-Bromofluorobenzene				99.6	103	60.0-140						

DATE/TIME: 10/05/23 16:59

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

J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.

SDG: L1661255

# Received by OCD: 4/1/2024 12:37:07 PM CCREDITATIONS & LOCATIONS

Page	1	77	' of	<sup>c</sup> 2	<i>02</i>

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Pace Analytical Nat	tional 12065 Lebanon Rd Mo	unt 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 <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
lowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky <sup>16</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>14</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	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		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> 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.

SDG: L1661255 DATE/TIME: 10/05/23 16:59

Plains All American Pipeline - ETECH PO Box 62228 Midland, TX 79711			Accounts Payable 333 Clay St Suite 1600 Houston, TX 77002												Pa	CCC*	
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roject Description:	d	City/State	li <u>ni i</u>		Please Ci PT MT C	rcle:									constitutes acknowledge Pace Terms and Condition https://info.pacelabs.co	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-	
hone:	Client Project	#	u	Lab Project # PLAINSETECH	- NM AIR										SDG #Ula	0125	
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Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	0-15		a star				3.0	100 - 100 100 - 100 100 - 100	Shipped Via: Fe Remarks	dEX Groun	
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SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay									Flow	C.A.V.R.	Other		COC S Bottl Corre	es arr	Accurate: rive intact: tles used:	X	
DW - Drinking Water S OT - Other	amples returned UPSFedEx	l via: < Courie	r	Tracki	ng # 6	337	22	५१	9031	nk Receiv	red: Vec /	No	Suffi VOA Z Prese	cient ero He rvatio	volume sent: <u>If Applicab</u> adspace: on Correct/Che	e cked: Y	
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Relinquished by : (Signature)	C	Date:	Tim	ne: Receiv	ved for lab by	y: (Signa	ture)	)	Date:	0.73	Time:	0	Hold:			NCF / C	

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



# Analytical Report

# **Prepared for:**

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

> Project: DCP sec. 31 Project Number: 17473 Location: Lea County, NM

Lab Order Number: 3K20011



**Current Certification** 

Report Date: 12/04/23

E Tech Environmental & Safety Solutions, Inc. [1]	Projec	t: DCP sec. 31
13000 West County Road 100	Project Numbe	r: 17473
Ddessa TX, 79765	Project Manage	r: Joel Lowry

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EFF-1 (112023)	3K20011-01	Air	11/20/23 13:16	11-20-2023 16:30

TO-15 BTEX analysis were subcontracted to A&B Houston.Their current certification can be found here: https://www.tceq.texas.gov/assets/public/compliance/compliance\_support/qa/labs/a&b\_env.pdf
Г

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	DCP sec. 31
13000 West County Road 100	Project Number:	17473
Odessa TX, 79765	Project Manager:	Joel Lowry

# EFF-1 (112023)

## 3K20011-01 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian l	Basin Envi	ronmental L	.ab, L.P.			
EPA TO-15									
Benzene	ND	0.00400	ppm	1	P3L0414	11/27/23 12:00	11/27/23 12:00	TO-15	SUB-8
Ethylbenzene	ND	0.0100	ppm	1	P3L0414	11/27/23 12:00	11/27/23 12:00	TO-15	SUB-8
Xylene (p/m)	ND	0.0200	ppm	1	P3L0414	11/27/23 12:00	11/27/23 12:00	TO-15	SUB-8
Xylene (o)	ND	0.0100	ppm	1	P3L0414	11/27/23 12:00	11/27/23 12:00	TO-15	SUB-8
Toluene	ND	0.0100	ppm	1	P3L0414	11/27/23 12:00	11/27/23 12:00	TO-15	SUB-8

Permian Basin Environmental Lab, L.P.

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

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	DCP sec. 31	
13000 West County Road 100	Project Number:	17473	
Odessa TX, 79765	Project Manager:	Joel Lowry	

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

Permian Basin Environmental Lab, L.P.

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	E Tech Environmental & Safety Solutions, Inc. [1]	Project:	DCP sec. 31
l	13000 West County Road 100	Project Number:	17473
I	Odessa TX, 79765	Project Manager:	Joel Lowry

#### Notes and Definitions

SUB-8	Subcontract of analyte/analysis to A&B Labs Houston.
NPBEL CO	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:

Barron

Date: 12/4/2023

Brent Barron, Laboratory Director/Technical Director

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

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

Permian Basin Environmental Lab, L.P.

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LAB # (lab use only)	FIEL EFF-1 (1121	D CODE	<ul> <li>Beginning Depth</li> </ul>	L Ending Depth	Date Sampled	Time Sampled	Total # of Containers	lce HNO <sub>3</sub>	HCI	H <sub>2</sub> SO <sub>4</sub> NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Other ( Specify)	DW=Drinking Water SL=Sludge	NP=Non-Potable Specify Other	TPH: TX 1005 TX 1006	Anions (CI, SO4, Alkalinity)	BTEX 802 1B 0030 or BTEX 8260									RUSH TAT (Pre-Schedule) 2 Ctandard TAT
(lab use or ORDER	Telephone No: Sampler Signature: <sup>nly)</sup> #: 3K20011	J15 164	108	KIM	IBLE TH	Fax No: WSH mail: Y	7 7 1 1 1 1	Pres	<u>e</u> rvatio	<b>ETE</b>	Conta	ners	RR		t Fo	orm	at:		An An	ard nalyz	ze Fc	] TR	RP			14,48,72 h
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7

Total Number of Pages:

# Laboratory Analysis Report

Job ID: 23112448



10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

### Client Project Name : Subcontract

Report To :	Client Name:	Permian Basin Environmental Lab, LP	P.O.#.:
	Attn:	Brent Barron	Sample Collected By:
	Client Address:	1400 Rankin Hwy	Date Collected: 11/20/23
	City, State, Zip:	Midland, Texas, 79701	

A&B Labs has analyzed the following samples...

 Client Sample ID
 Matrix
 A&B Sample ID

 3K20011
 Air
 23112448.01

-J. CT Like

Analyst: Amit Bembde

fla

Released By:Senthilkumar SevukanTitle:Vice President OperationsDate:12/01/2023

RAP ACCREDIES

This Laboratory is NELAP (T104704213-23-31) accredited. Effective: 04/13/2023; Expires: 3/31/2024 Scope: Non-Potable Water, Drinking Water, Air, Solid, Biological Tissue, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Results apply to the sample as received. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client. Soil samples are reported on a wet weight basis unless otherwise noted. Uncertainty estimates are available on request.

ab-q210-0321

Date Received : 11/22/2023 10:02

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				LABOR	TORY	TEST	r resul	тs				
		Job I	D: 23112448								Date:	12/1/2023
Client Name :	: F	Permi	an Basin Environn	nental Lab, LP						Attn: E	rent B	arron
Project Name	: 9	Subco	ontract									
Client Sample Date Collecte	e ID: d:		3K20011 11/20/23					Lab Sam Sample N	ple ID: Iatrix:	23112448 Air	3.01	
Time Collecter	ed: ation:		13:16									
Test Method	Paramete	er/Tes	t Description	M.W.	Resu	ılts(nl)	RptLimit(nl)	InjVol(cc)	ug/M3	ppm	Q	Date/Time
EPA TO-15	Volatile	Orga	nic Compounds	in Air by GCM	IS							
	Benzene			78.11	BRL		0.2	50CC	< 12.8	< 0.0040	)	11/27/23
	Ethylben	zene		106.1	7 BRL		0.5	50CC	< 43.4	< 0.0100	)	11/27/23
	m- & p-X	ylene	25	106.1	7 BRL		1	50CC	< 86.8	< 0.0200	)	11/27/23
	o-Xylene			106.1	7 BRL		0.5	50CC	< 43.4	< 0.0100	)	11/27/23
	Toluene			92.14	BRL		0.5	50CC	< 37.7	< 0.0100	)	11/27/23
	Xylenes			106.1	7 BRL		0.5	50CC	< 43.4	< 0.0100	)	11/27/23
Total [VOC] ca	alculated				BRL				< 12.779	< 0.00	4	

#### QUALITY CONTROL CERTIFICATE



Analysis : Volatile Organie	c Compounds in Air by GCMS	Method :	EPA TO-15	Reporting Units : nL
QC Batch ID : Qb23113014	<b>Created Date :</b> 11/30/23	Created By :	AVBembde	
Samples in This QC Batch :	23112448.01			

QC Type: Method Blank						
Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
Xylenes	1330-20-7	BRL	nL	1	0.5	
Benzene	71-43-2	BRL	nL	1	0.2	
Toluene	108-88-3	BRL	nL	1	0.5	
Ethylbenzene	100-41-4	BRL	nL	1	0.5	
m- & p-Xylenes	179601-23-1	BRL	nL	1	1	
o-Xylene	95-47-6	BRL	nL	1	0.5	

QC Type: LCS and LCS	D									
	LCS	LCS	LCS	LCSD	LCSD	LCSD		RPD	%Recovery	
Parameter	Spk Added	Result	% Rec	Spk Added	Result	% Rec	RPD	CtrlLimit	CtrlLimit	Qual
Benzene	5	5.35	107	5	5.36	107	0.2	30	69-119	
Toluene	5	5.34	107	5	5.30	106	0.8	30	62-127	
Ethylbenzene	5	5.57	111	5	5.48	110	1.6	30	70-124	
m- & p-Xylenes	10	10.9	109	10	10.9	109	0.4	30	61-134	
o-Xylene	5	5.71	114	5	5.68	114	0.5	30	67-125	

#### LABORATORY TERM AND QUALIFIER DEFINITION REPORT



Job ID: 23112448

Date: 12/1/2023

#### General Term Definition

Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RPD	Relative Percent Difference
J	Estimation. Below calibration range but above MDL	RptLimit	Reporting Limit
LCS	Laboratory Check Standard	SDL	Sample Detection Limit
LCSD	Laboratory Check Standard Duplicate	surr	Surrogate
MS	Matrix Spike	т	Time
MSD	Matrix Spike Duplicate	TNTC	Too numerous to count
MW	Molecular Weight	UQL	Unadjusted Upper Quantitation Limit
MQL	Unadjusted Minimum Quantitation Limit		
Qualifier Defi	nition		

# Sample Condition Checklist



A&	B JobID : 23112448	Date Received : 11/22/2023 Time Received : 10:	02AM		
Clie	ent Name : Permian Basin Environ	mental Lab, LP			
Ter	nperature : <b>18.7°C</b>	Sample pH : NA			
The	ermometer ID : <b>IR5</b>	pH Paper ID : NA			
Pe	rservative :	Lot# :			1
		Check Points	Yes	No	N/A
1.	Cooler Seal present and signed.				х
2.	Sample(s) in a cooler.			х	
3.	If yes, ice in cooler.				Х
4.	Sample(s) received with chain-of-custo	ody.	Х		
5.	C-O-C signed and dated.		х		
6.	Sample(s) received with signed sample	e custody seal.		х	
7.	Sample containers arrived intact. (If N	o comment)	х		
8.	Water Soil Liquid Slu Matrix:	Idge     Solid     Cassette     Tube     Bulk     Badge     Food     Other       Image: I			
9.	Samples were received in appropriate	container(s)	Х		
10.	Sample(s) were received with Proper p	reservative			Х
11.	All samples were tagged or labeled.		Х		
12.	Sample ID labels match C-O-C ID's.			х	
13.	Bottle count on C-O-C matches bottles	found.	Х		
14.	Sample volume is sufficient for analyse	es requested.	х		
15.	Samples were received with in the hole	l time.	Х		
16.	VOA vials completely filled.				Х
17.	Sample accepted.		х		
18.	Has client been contacted about sub-o	ut			х

Comments : Include actions taken to resolve discrepancies/problem:
Other: Air (Clear Tedlar Bags). ~EV 11/22/2023. Sample ID= "EFF-1". ~ANS 11/22/23

Brought by : FedEx Received by : EValdez

Check in by/date : EValdez / 11/22/2023

ab-s005-0321

Phone: 713-453-6060

www.ablabs.com

Project Manager:	CHAIN O	OF CU:	STOL	)Y RE	CORD AND A	NALYSIS	RE Peri 140 Mid	EQU miar 10 Ra Ilano	ES7 anki d, Te	T sin E in HV exas	nviro VY 797	onme 01	ental	Lab,	LP	Proj	ject	Nam	e:	F	Phone PBEL SUE	e: 43 .AB_: ICON	2-686 SUB_( NTRA	-7235 COC_` .CT	√2		
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Company Address:	1400 Rankin HWY					<u></u>	1			<u></u>						Pi	rojec	t Lo	c:								
City/State/Zip:	Midland Texas 797	701																PO	#:							<u> </u>	
Telephone No:	432-661-4184	. <u> </u>			<u> </u>	Fax No:	,			<u>.</u>						Repo	rt Fo	orma	it: X	Sta	indarc	1		TRRP	[		DES
Sampler Signature	: N/A					e-mail:		brer	ıtbar	rron@	)pbel	lab.co	om				- r					nalvz	e For:				<b></b> -
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L1692064

12/29/2023

SRS #2009-084

SRS #2009-084

Kimble Thrash PO Box 62228 Midland, TX 79711

January 04, 2024

Plains All American Pipeline - ETECH

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

Sample Delivery Group:

Samples Received:

Project Number:

Description:

Report To:

Site:

Entire Report Reviewed By: Jul Value

DCP Plant to Lea Station 6" Section 31

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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PROJECT: SRS #2009-084

SDG: L1692064

DATE/TIME: 01/04/24 16:10 PAGE: 1 of 9

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PROJECT: SRS #2009-084

SDG: L1692064

DATE/TIME: 01/04/24 16:10

PAGE: 2 of 9

# SAMPLE SUMMARY

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			Collected by	Collected date/time	Received date/	time
EFF-1 (122823) L1692064-01 Air			Kimble Thrash	12/28/23 11:00	12/29/23 09:00	1
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		2
Volatile Organic Compounds (MS) by Method M18-Mod	WG2199300	500	01/02/24 17:15	01/02/24 17:15	JAP	Mt. Juliet, TN

<sup>3</sup> Ss
<sup>4</sup> Cn
<sup>5</sup> Sr
<sup>6</sup> Qc
<sup>7</sup> Gl
<sup>8</sup> Al
<sup>9</sup> Sc

SDG: L1692064 DATE/TIME: 01/04/24 16:10

ME: 16:10 PAGE: 3 of 9

## 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.

mulp

Lori A Vahrenkamp Project Manager



SDG: L1692064

DATE/TIME: 01/04/24 16:10 PAGE: 4 of 9

# SAMPLE RESULTS - 01

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Qc

Gl

AI

Sc

## Volatile Organic Compounds (MS) by Method M18-Mod

9	1.1.1	· / /							
	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ug/m3	ppbv	ug/m3			
Benzene	71-43-2	78.10	100	319	170	543		500	WG2199300
Toluene	108-88-3	92.10	250	942	348	1310		500	WG2199300
Ethylbenzene	100-41-4	106	100	434	105	455		500	WG2199300
m&p-Xylene	179601-23-1	106	200	867	583	2530		500	WG2199300
o-Xylene	95-47-6	106	100	434	136	590		500	WG2199300
Methyl tert-butyl ether	1634-04-4	88.10	100	360	ND	ND		500	WG2199300
TPH (GC/MS) Low Fraction	8006-61-9	101	100000	413000	600000	2480000		500	WG2199300
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		94.9				WG2199300

#### Sample Narrative:

L1692064-01 WG2199300: Non-target compounds too high to run at a lower dilution.

Volatile Organic Compounds (MS) by Method M18-Mod

# QUALITY CONTROL SUMMARY

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### Method Blank (MB)

(MB) R4018913-3	01/02/24 09:40

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ppbv		ppbv	ppbv
Benzene	U		0.0715	0.200
Foluene	U		0.0870	0.500
Ethylbenzene	U		0.0835	0.200
n&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
Methyl tert-butyl ether	U		0.0647	0.200
[PH (GC/MS) Low Fraction	U		39.7	200
(S) 1,4-Bromofluorobenzene	91.1			60.0-140

## Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4018913-1 01/02/24 08:21 • (LCSD) R4018913-2 01/02/24 09:01										
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	ppbv	ppbv	ppbv	%	%	%			%	%
Benzene	3.75	3.60	3.61	96.0	96.3	70.0-130			0.277	25
Toluene	3.75	3.68	3.68	98.1	98.1	70.0-130			0.000	25
Ethylbenzene	3.75	3.79	3.76	101	100	70.0-130			0.795	25
m&p-Xylene	7.50	7.64	7.63	102	102	70.0-130			0.131	25
o-Xylene	3.75	3.81	3.76	102	100	70.0-130			1.32	25
Methyl tert-butyl ether	3.75	3.58	3.55	95.5	94.7	70.0-130			0.842	25
TPH (GC/MS) Low Fraction	188	156	156	83.0	83.0	70.0-130			0.000	25
(S) 1,4-Bromofluorobenzene				93.6	92.8	60.0-140				

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

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

SDG: L1692064 DATE/TIME: 01/04/24 16:10 PAGE: 7 of 9

# Received by OCD: 4/1/2024 12:37:07 PM CCREDITATIONS & LOCATIONS

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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 <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
lowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky <sup>16</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>14</sup>	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		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> 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.

SDG: L1692064

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Company Name/Address:	1.26.3	5.7.5	Billing Info	rmation:					Analysis /	Containe	r / Preservative			Chain of Custod	y Page of
Plains All American Pipeline - ETECH PO Box 62228 Midland, TX 79711		ECH	Accounts Payable 333 Clay St Suite 1600 Houston, TX 77002			Pres Chk								PEOPLI	ACCE
Report to: Kimble Thrash			Email To: kimble@etechenv.com											MT JI 12065 Lebanon Rd Mo	JLIET, TN punt Juliet, TN 37122
Project Description: DCP Plant to Lea Station 6" Section 31		City/State Collected:	EA COUN	TY, MM	Please C	ircle:				x-1				Submitting a sample vi constitutes acknowled Pace Terms and Condi https://info.pacelabs.c	a this chain of custody gment and acceptance of th tions found at: om/hubfs/pas-standard-
Phone: 432-894-9996	Client Project # SRS #2009-084			Lab Project # PLAINSETECH	CH-NM GW		0218					SDG# UL92064 H034			
Collected by (print): KIMBLE THRASH	Site/Facility I	D# 2009-01	84	P.O. #	. #									Acctnum: PLA	INSETECH
mmediately Packed on Ice N V Y	Rush?         (	Lab MUST Be Day Five ay 5 Da ay 10 D Day	e Notified) Day y (Rad Only) ay (Rad Only)	Quote # Date Results	Needed	No.								Template: Prelogin: PM: <b>3587 - Lor</b> PB:	i A Vahrenkamp
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	EX							Shipped Via: C	ourier
EFF-1 (122823)	G	AIR	N/A	12-28-2023	1100	1	X B1						-	Remarks	Sample # (lab only)
***	end	0	F (	:0C	*	¢,									
* Matrix: 55 - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water DT - Other LIDS EndEx Courier		Tracking # 6424 Time: Received by: (Signature)				pH Temp Flow Other \$7308 9340				COC S COC S Bottl Corre Suffi	Sample Receipt Checklist OC Seal Present/Intact:NPY OC Signed/Accurate:Y ottles arrive intact:Y orrect bottles used:Y ufficient volume sent:Y If Applicable				
Relinquished by : (Signature)						Trip Blank Received: Yes (No) HCL/MeoH TBR			VOA Z Prese RAD S	VOA Zero Headspace: _Y _N Preservation Correct/Checked: _Y _N RAD Screen <0.5 mR/hr: _Y _N					
Selfred is a self self self self self self self self	dente l'	2/28/	234	55 Receive	d by: (Signat	ure)		Temp: °C Bottles Received:		If prese	If preservation required by Login: Date/Time				
elinquished by : (Signature)	Da	ate:	Time:	Receive	d for lab by:	Signatu	1re) 18	3	Date:	4/22	Time:	Hold:			Condition: NCF / OK

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District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

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 328409

CONDITIONS						
Operator:	OGRID:					
PLAINS MARKETING L.P.	34053					
333 Clay Street Suite 1900	Action Number:					
Houston, TX 77002	328409					
	Action Type:					
	[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)					

CON	DIT	10N	s

Created By	Condition	Condition Date
michael.buchanan	Review of the DCP Plant to Lea Station 6-Inch Section 31: content satisfactory 1. Continue to conduct groundwater monitoring on a semi-annual schedule for MW-3 and MW-6. Conduct quarterly monitoring events for MW-2, MW-4 and MW-5. 2. For MW-1, conduct AFR events on a monthly schedule as prescribed. 3. Continue to run and conduct O&M of the SVE system with emission sampling. 4. Submit the 2024 annual report to OCD by April 1, 2025.	8/1/2024