Review of 2021 ANNUAL GROUNDWATER MONITORING REPORT: **Content satisfactory** Contractor anticipated actions approved by NMOCD and are as follows;

- 1. Continue quarterly gauging, purging, and sampling from MW-2 through MW-8 for the presence of PSH and BTEX
- 2. Continue PSH recovery by SVE from monitoring well MW-1, with emission sampling events occurring monthly
- 3. Continue monthly manual PSH recovery, if applicable, from MW-1
- 4. Continue monthly recovery of hydrocarbon impacted groundwater from MW-5
- 5. Submit annual report to NMOCD no later than March 31, 2023.

Plains All American Pipeline, L.P.
DCP Plant to Lea Station 6-Inch #2
Plains SRS No. 2009-039
Lea County, New Mexico
NMOCD Reference No. 1RP-2136
NMOCD Incident No. nAPP2109730917

Terracon Project No. AR217008 March 25, 2022



Prepared for:



Plains All American Pipeline, L.P. 1106 Griffith Drive Midland, Texas 79706

Prepared by:

Terracon Consultants, Inc.

terracon.com





March 25, 2022

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

Attn:

Mrs. Camille Bryant

Telephone:

(432) 221-7924

Email:

CJBryant@paalp.com

Re:

2021 Annual Groundwater Monitoring Report

DCP Plant to Lea Station 6-Inch #2

U/L "F", Sec. 31, T20S, R37E

Lea County, New Mexico

NMOCD Reference No. 1RP-2136 NMOCD Incident No. nAPP2109730917

Plains All American Pipeline, L.P. SRS No. 2009-039

Terracon Project No. AR217008

Dear Mrs. Bryant:

Terracon is pleased to submit one electronic copy of the 2021 Annual Groundwater Monitoring Report for the above-referenced site.

We appreciate the opportunity to perform these services for Plains All American Pipeline, L.P. Please contact either of the undersigned at (806) 300-0140 if you have questions regarding the information provided in the report.

Sincerely,

Terracon

Prepared by:

Staff Scientist Lubbock

Erin Loyd, P.G

Reviewed by:

Principal

Office Manager - Lubbock

Terracon Consultants, Inc. 5847 50th Street Lubbock, Texas 79424 P (806) 300 0140 F (806) 797 0947 terracon.com



Plains – DCP Plant to Lea Station 6-Inch #2 ■ Lea County, New Mexico March 25, 2022 ■ Terracon Project No. AR217008

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Plains – DCP Plant to Lea Station 6-Inch #2 ■ Lea County, New Mexico March 25, 2022 ■ Terracon Project No. AR217008



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Plains – DCP Plant to Lea Station 6-Inch #2 ■ Lea County, New Mexico March 25, 2022 ■ Terracon Project No. AR217008



1.0 INTRODUCTION

1.1 Site Description

The legal description of the DCP Plant to Lea Station 6-Inch #2 release site is Unit Letter "F" (SE/NW), 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 32.531660° North latitude and 103.291110° West longitude. A "Topographic Map" depicting the site's location is provided as Exhibit 1 in Appendix A.

Site Name	DCP Plant to Lea Station 6-Inch #2						
Site Location	Latitude 32.531660° North, Longitude 103.291110° West						
General Site Description	The site consists of seven groundwater monitoring wells located in, and adjacent to, a pipeline right-of-way surrounded by native pasture land.						
Landowner	State of New Mexico						

1.2 Background Information

Based on information provided by the client, on February 12, 2009, Plains All American Pipeline, L.P. (Plains) discovered a crude oil release from a 6-inch steel pipeline. During initial response activities, Plains installed a temporary clamp to mitigate the release. Approximately 25 barrels (bbls) of crude oil were released from the pipeline, resulting in a surface stain measuring approximately 10 feet (ft.) in width and 12 ft. in length. Plains notified the New Mexico Oil Conservation Division (NMOCD) Hobbs District 1 Office of the release, and a "Release Notification and Corrective Action" (Form C-141) was submitted. The cause of the release was attributed to external corrosion of the pipeline.

On February 17, 2009, subsequent excavating of crude oil impacted soil commenced at the site. Approximately 2,700 cubic yards (cy) of impacted soil were excavated, stockpiled on-site, and on a plastic liner to mitigate the potential leaching of contaminants into the vadose zone. The final approximate dimensions of the excavation were 66 ft. in width, 80 ft. in length, and 15 ft. in depth. Upon completion of the excavating activities, confirmation soil samples were collected from the excavation and stockpiles. Review of laboratory analytical results indicated soil samples collected from the excavation and stockpiles were less than NMOCD regulatory standards.

On April 15, 2009, soil boring SB-1 was drilled at the release site to evaluate the vertical extent of soil impact. While advancing the soil boring, groundwater was encountered at approximately

Plains – DCP Plant to Lea Station 6-Inch #2 ■ Lea County, New Mexico March 25, 2022 ■ Terracon Project No. AR217008



76 ft. below ground surface (bgs). Temporary casing was installed in the soil boring so a groundwater sample could be collected for analysis. Prior to collecting the groundwater sample, a measurable thickness of phase separated hydrocarbon (PSH) was gauged on the groundwater. Plains immediately notified NMOCD representatives in the Hobbs District 1 Office and the NMOCD Environmental Bureau in Santa Fe of the impact to groundwater at the site. On April 16, 2009, soil boring SB-1 was converted and completed as a 4-inch monitoring well (MW-1).

On June 29, 2009, three additional monitoring wells (MW-2, MW-3, and MW-4), were drilled, completed, and developed, to evaluate the status of the groundwater at the site with NMOCD approval. Monitoring well MW-2, located up-gradient and approximately 135 ft. to the northwest of monitoring well MW-1, was advanced to a total depth of approximately 90 ft. bgs. Monitoring well MW-3, located cross-gradient and approximately 80 ft. to the southwest of monitoring well MW-1, was advanced to a total depth of approximately 90 ft. bgs. Monitoring well MW-4, located down-gradient and approximately 115 ft. to the southeast of monitoring well MW-1, was advanced to a total depth of approximately 88 ft. bgs. Subsequent gauging determined PSH was not present in monitoring wells MW-2, MW-3, or MW-4.

On August 25, 2009, a 20-millimeter polyurethane liner was installed in the base of the excavation. Monitoring well MW-1, located within the excavation, was extended to the top of the excavation using a 4-inch diameter PVC riser. The riser was fitted with a 40-millimeter boot, which was chemically welded to the 20-millimeter liner to ensure impermeability of the liner. The liner was cushioned by a 6-inch layer of sand above and below the liner to protect the liner from damage during backfilling activities. The excavation was backfilled with the stockpiled soil and compacted in 12-inch lifts. The disturbed areas were contoured to fit the surrounding topography and seeded with a New Mexico State Land Office (NMSLO)-approved seeding mixture. Supplemental seeding occurred on October 12, 2010.

On January 24, 2011, an additional monitoring well (MW-5) was installed to further monitor the down-gradient migration of the PSH plume. Monitoring well MW-5, located down-gradient and approximately 50 ft. to the southeast of monitoring well MW-1, was advanced to a total depth of approximately 95 ft. bgs. PSH was also not gauged in monitoring well MW-5. Laboratory analytical results of soil samples collected during the installation of monitoring well MW-5 indicated benzene, toluene, ethylbenzene, total xylene (BTEX), and total petroleum hydrocarbon (TPH) concentrations were less than NMOCD regulatory standards in all submitted soil samples.

On September 10, 2013, two additional monitoring wells (MW-6 and MW-7) were installed to further monitor the down-gradient migration of the dissolved-phase plume and to delineate the horizontal extent of PSH. Monitoring well MW-6, located cross-gradient and approximately 125 ft. to the east-southeast of monitoring well MW-1, was advanced to a total depth of approximately 95 ft. bgs. Monitoring well MW-7, located down-gradient and approximately 175 ft. to the southeast of monitoring well MW-1, was advanced to a total depth of approximately 100 ft. bgs. Laboratory analytical results from soil samples collected during the installation of monitoring wells

Plains – DCP Plant to Lea Station 6-Inch #2 ■ Lea County, New Mexico March 25, 2022 ■ Terracon Project No. AR217008



MW-6 and MW-7 indicated benzene, BTEX, and TPH concentrations were less than NMOCD regulatory standards in all submitted soil samples. PSH was also not gauged in monitoring well MW-6 or MW-7.

On October 18, 2016, Terracon assumed project management responsibilities and oversight of groundwater monitoring activities at the DCP Plant to Lea Station 6-Inch #2 project site. There is a total of seven monitoring wells (MW-1 through MW-7) at the site. Monitoring well MW-2 through MW-7 are gauged and sampled on a quarterly schedule and monitoring well MW-1 is currently not sampled due to the presence of PSH. A "Site Diagram" depicting monitoring well locations is provided as Exhibit 2 in Appendix A.

During May of 2020, due to COVID-19, manual recovery events were reduced from a frequency of once per week to once per month. The monthly frequency of recovery events persisted into 2021.

On August 18, 2020, an additional monitor well (MW-8) was installed according to the Work Plan dated November 25th, 2019. Monitor well MW-8 was installed using a truck-mounted air rotary drilling rig. For the location of monitor well MW-8, refer to Exhibit 2 in Appendix A. During the monitor well advancement, Terracon personnel observed sands and caliche overlaying fine sands.

1.3 Scope of Work

Terracon's scope of work includes project management responsibilities, oversight of groundwater monitoring activities, and preparation of an *Annual Groundwater Monitoring Report* in accordance with the NMOCD letter, dated May 1998, requiring submittal of an *Annual Groundwater Monitoring* Report by April 1st of each year. Quarterly groundwater monitoring activities include measuring the static water levels in the monitoring wells, checking for the presence of PSH, and the collection of groundwater samples from each of the on-site wells not exhibiting a measurable thickness of PSH. In accordance with the approved scope of work, Terracon conducted quarterly groundwater monitoring events on March 11-12, June 18, September 22, and December 15, 2021.

2.0 GROUNDWATER REMEDIATION PROGRAM

2.1 Groundwater Monitoring

Quarterly groundwater monitoring events were conducted on March 11-12 (1Q2021), June 18 (2Q2021), September 22 (3Q2021) and December 15, 2021 (4Q2021). Monitoring events included measuring the static water level in the on-site monitoring wells, checking for the presence of PSH, purging, and the collection of groundwater samples from each of the wells not exhibiting a measurable thickness of PSH.

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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 cycles of five minutes each. The groundwater samples collected were placed into a laboratory-prepared container. The containers were labeled and placed on ice in a cooler which was secured with a custody seal. The samples and completed Chain-of-Custody forms were transported to Xenco Laboratories Company in Lubbock, Texas for analysis of BTEX constituent concentrations. Laboratory analysis were performed under standard laboratory turnaround time of 5 to 7 working days. Purged water was placed into a polystyrene aboveground storage tank and disposed of at an NMOCD-approved disposal facility.

Groundwater elevation data collected during the respective quarterly monitoring events were used to construct groundwater gradient maps, which are included as Exhibits 3 through 6 in Appendix A. The groundwater flow direction was relatively consistent, ranging from 0.002 ft/ft during the 1st, 2nd, and 4th quarters to 0.0013 ft/ft during the 3rd quarter in a south-southeasterly direction. Groundwater elevation and PSH thickness data is summarized in Table 1 of Appendix B.

Due to its recent installation, monitor well MW-8 was subject to analysis of polycyclic aromatic hydrocarbons (PAHs) to adhere to requirements set forth by the NMOCD requiring each monitor well to exhibit two consecutive years of PAH concentrations below action levels established by New Mexico Administrative Code (NMAC) 20.6.2. However, all monitor wells sampled during the 4th quarter of 2020 were inadvertently analyzed for PAHs as well. Groundwater samples collected during the 4th quarter monitoring event did not get analyzed for PAHs in order to adhere to the NMOCD requirement of two consecutive years of PAH concentrations below NMOCD criteria. Therefore, analysis of PAH was conducted during the 1st quarter of 2022 and will be reported during in the 2022 Annual Groundwater Monitoring Report. A summary of PAH analysis can be found as Table 5 in Appendix B.

3.0 LABORATORY ANALYTICAL METHODS

The groundwater samples collected from the on-site monitoring wells were analyzed for BTEX using EPA SW-846 Method 8021B. Laboratory analytical results for groundwater samples collected are summarized in Table 2 of Appendix B and presented as Exhibits 7 through 10 in Appendix A. Copies of the certified laboratory reports and chain-of-custody form are provided in Appendix C.

4.0 GROUNDWATER DATA EVALUATION

4.1 Groundwater Sample Results

Laboratory analytical results from groundwater samples collected during each quarterly monitoring event were compared to NMOCD regulatory standards based on New Mexico Water

Plains – DCP Plant to Lea Station 6-Inch #2 ■ Lea County, New Mexico March 25, 2022 ■ Terracon Project No. AR217008



Quality Control Commission (NMWQCC) groundwater standards found in Section 20.6.2.3103 of the New Mexico Administrative Code (NMAC).

4.1.1 Monitoring Well MW-1

Monitoring well MW-1 was not sampled due to the presence of PSH. PSH thicknesses of 0.04 ft. (1Q2021), 0.05 ft. (2Q2021), 0.04 ft. (3Q2021), and 0.04 ft. (4Q2021), were observed during the quarterly monitoring events.

4.1.2 Monitoring Wells MW-2, MW-3, MW-4, MW-6, MW-7, and MW-8

Laboratory analytical results indicated BTEX concentrations were below the respective laboratory sample detections limits (SDLs) during each quarterly monitoring event with the exception of ethylbenzene and total xylenes being detected in monitor well MW-8 during the 2nd quarter monitoring event. The detected concentrations were below laboratory method quantitation limit (MQL).

4.1.3 Monitoring Well MW-5

- Laboratory analytical results indicated benzene concentrations exceeded the NMOCD regulatory standard during the 2nd quarter monitoring event. The detected benzene concentration was 0.253 mg/L. Benzene was not detected above the laboratory SDL in the other three monitoring events.
- Laboratory analytical results indicated concentrations of toluene and ethylbenzene during the 2nd quarter and total xylenes during the 2nd, and 3rd quarter were above the respective laboratory SDL but below the NMOCD regulatory standard.

5.0 CORRECTIVE ACTION

5.1 Product Recovery

An estimated 0.980 gallons of PSH were recovered from monitoring well MW-1, by manual recovery, in 2021. During the last recovery event the PSH thickness in monitoring well MW-1 measured 0.84 feet. An estimated 53 gallons of hydrocarbon impacted groundwater were recovered manually from monitoring well MW-1 for 2021. To date, an estimated 6,225 gallons (148.2 bbls) of PSH has been manually recovered from monitoring well MW-1 since recovery operations began in April 2009. Monitoring well MW-1 groundwater gauging and PSH recovery data is summarized in Tables 4a and 4b of Appendix B.

On July 18, 2012, a Mobile Dual-Phase Extraction (MDPE) unit was installed on monitoring 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 Sec. 31 (NMOCD Reference #1RP-2166), and the location of the unit

Plains – DCP Plant to Lea Station 6-Inch #2 ■ Lea County, New Mexico March 25, 2022 ■ Terracon Project No. AR217008



was alternated periodically. As of July 2017, an estimated 7,901 equivalent gallons (188 bbls) of PSH have been recovered from monitoring well MW-1 by MDPE. Recovered fluids were disposed of at an NMOCD-approved disposal facility.

On July 19, 2017, the MDPE unit was replaced with a Soil Vapor Extraction (SVE) unit that was permanently installed on monitoring well MW-1. Since August 2017, monthly emissions samples have been collected to ensure compliance with New Mexico Environment Department (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 slight increase in average emissions of TPH from 5.432 tons/year in 2020 to 8.034 tons/year in 2021 and an average emission volume of 5.025 gal/day to 7.433 gal/day respectively. Effluent air samples collected in January, February, and November exceeded New Mexico Air Quality Bureau (AQB) criteria of 10 tons of TPH per year at 17.77, 11.78, 13.07, respectively. The dilution valve on the SVE system was adjusted after each of these occurrences to bring emissions into compliance. Monitoring well MW-1 SVE air emissions analytical results for BTEX and TPH is summarized in Table 3 of Appendix B.

5.2 Groundwater Recovery

For 2021, an estimated 55 gallons (1.31 bbls) of hydrocarbon impacted groundwater were recovered from monitoring well MW-5, by manual recovery. Since recovery operations began on January 22, 2016, an estimated 2,436.5 gallons (58.01 bbls) of hydrocarbon impacted groundwater have been manually recovered from monitoring well MW-5. Recovered fluids are disposed of at an NMOCD-approved disposal facility. Monitoring well MW-5 groundwater gauging and PSH recovery data is summarized in Table 4b of Appendix B.

6.0 SUMMARY OF FINDINGS

The findings of the 2021 Quarterly groundwater monitoring activities are as follows:

- Currently, there are eight groundwater monitoring wells (MW-1 through MW-8) located at the site.
- Groundwater samples collected during the 4th quarter monitoring event did not get analyzed for PAH. Therefore, analysis of PAH was conducted during the 1st quarter of 2022.
- Monitoring well MW-1 was not sampled during the 2021 reporting period due to the presence of PSH. Monthly air samples were collected from SVE system emissions.
- Monitoring well MW-2 through MW-8 were gauged, purged, and sampled during each quarterly event.
- Benzene, toluene, ethylbenzene and total xylene concentrations were not detected at concentrations above applicable laboratory SDLs in groundwater samples collected from

Plains – DCP Plant to Lea Station 6-Inch #2 ■ Lea County, New Mexico March 25, 2022 ■ Terracon Project No. AR217008



monitoring well MW-2, MW-3, MW-4, MW-6, MW-7, and MW-8 during each quarterly event with the exception of ethylbenzene and total xylenes being detected in monitor well MW-8 during the 2nd quarter monitoring event. The detected concentrations were below laboratory MQL.

- Concentrations of benzene detected in monitoring well MW-5 exceeded the NMOCD regulatory standard for the 2nd quarter monitoring event.
- Concentrations of toluene and ethylbenzene during the 2nd quarter and total xylenes during the 2nd, and 3rd quarter were above the respective laboratory SDL but below the NMOCD regulatory standard.
- The PSH thickness in monitoring well MW-1 was 0.84 ft. during the last recovery event conducted on December 20, 2021.
- The groundwater flow direction was relatively consistent to the southeast for each quarterly event. The groundwater gradient contour was calculated at 0.002 ft/ft. for three of the four monitoring events
- An estimated 0.980 gallons of PSH were recovered manually from monitoring well MW-1.
- Effluent air samples are collected from the exhaust port of the SVE system during each monthly recovery event. Emission mass calculations resulted in a slight increase in average emissions of TPH from 5.432 tons/year in 2020 to 8.034 tons/year in 2021 and an average emission volume of 5.025 gal/day to 7.433 gal/day respectively.
- Effluent air samples collected in January, February, and November exceeded New Mexico AQB criteria of 10 ton of TPH per year at 17.77, 11.78, 13.07 respectively. The dilution valve on the SVE system was adjusted after each of these occurrences in order to bring emissions into compliance.
- An estimated 55 gallons (1.31 bbls) of hydrocarbon impacted groundwater were recovered manually from monitoring well MW-5 for 2021.

7.0 ANTICIPATED ACTIONS

- Monitoring well MW-2 through MW-8 will continue to be gauged, purged, and sampled guarterly for the presence of PSH and BTEX in 2022.
- Analyze monitor wells MW-2 through MW-8 for PAHs in the 1st quarter monitoring event.
- PSH recovery by SVE will continue on monitoring well MW-1 with emission sampling events occurring monthly during 2022.
- Monthly manual PSH recovery, if applicable, will continue on monitoring well MW-1.
- Monthly recovery of hydrocarbon impacted groundwater will continue from monitoring well
 MW-5 in an effort to control the down-gradient migration of the dissolved-phase plume.
- An Annual Groundwater Monitoring Report will be prepared detailing field activities and the results of groundwater monitoring activities conducted during the 2022 reporting period.

Plains – DCP Plant to Lea Station 6-Inch #2 ■ Lea County, New Mexico March 25, 2022 ■ Terracon Project No. AR217008



8.0 DISTRIBUTION

Copy 1: Bradford Billings, Hydrologist, E Spec. A.

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emnrd-ocd-district1spills@state.nm.us

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Plains All American Pipeline, L.P.

1106 Griffith Drive Midland, Texas 79705 cjbryant@paalp.com

Copy 5: Mr. Jeff Dann

Plains All American Pipeline, L.P. 333 Clay Street, Suite 1600 Houston, Texas 77002 ipdann@paalp.com

APPENDIX A

Exhibit 1 – Topographic Map Exhibit 2 – Site Diagram

Exhibit 3 – 1Q21 Groundwater Gradient Map (03/11/21)

Exhibit 4 – 2Q21 Groundwater Gradient Map (06/18/21)

Exhibit 5 – 3Q21 Groundwater Gradient Map (09/22/21)

Exhibit 6 – 4Q21 Groundwater Gradient Map (12/15/21)

Exhibit 7 – 1Q21 Groundwater Contaminant Concentration Map (03/11-12/21)

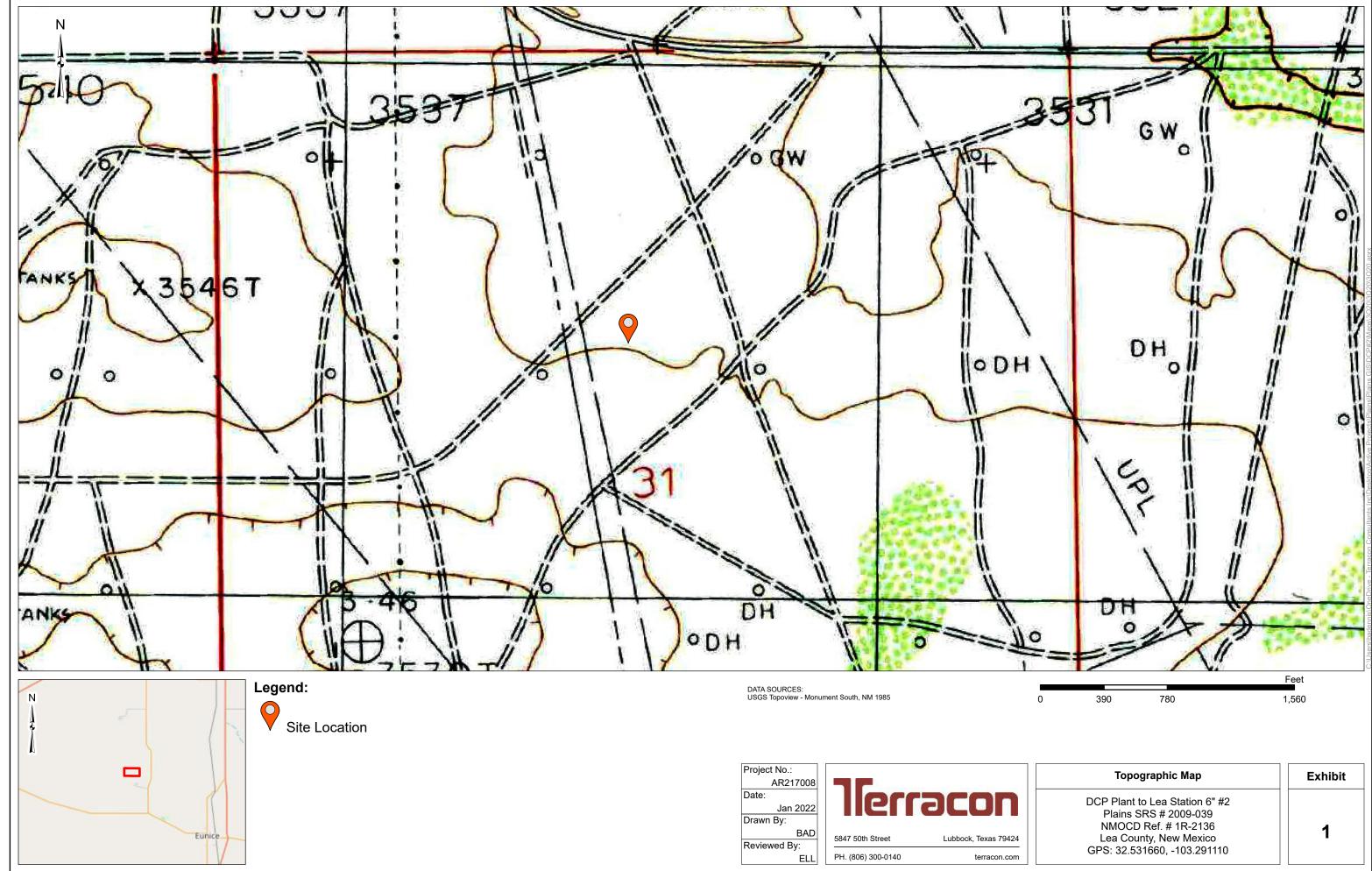
Exhibit 8 – 2Q21 Groundwater Contaminant Concentration Map (06/18/21)

Exhibit 9 – 3Q21 Groundwater Contaminant Concentration Map (09/22/21)

Exhibit 10 – 4Q21 Groundwater Contaminant Concentration Map (12/15/21)

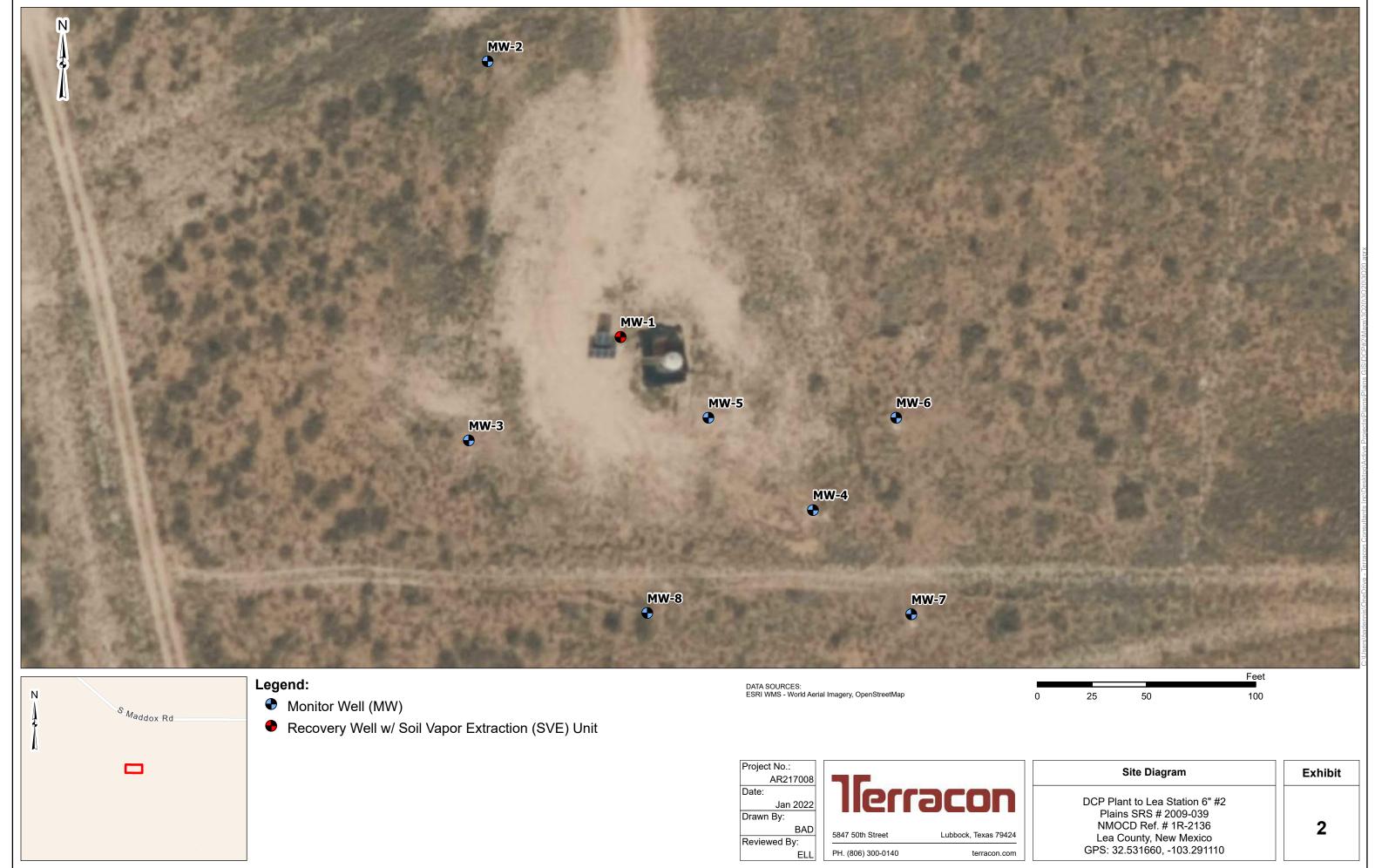
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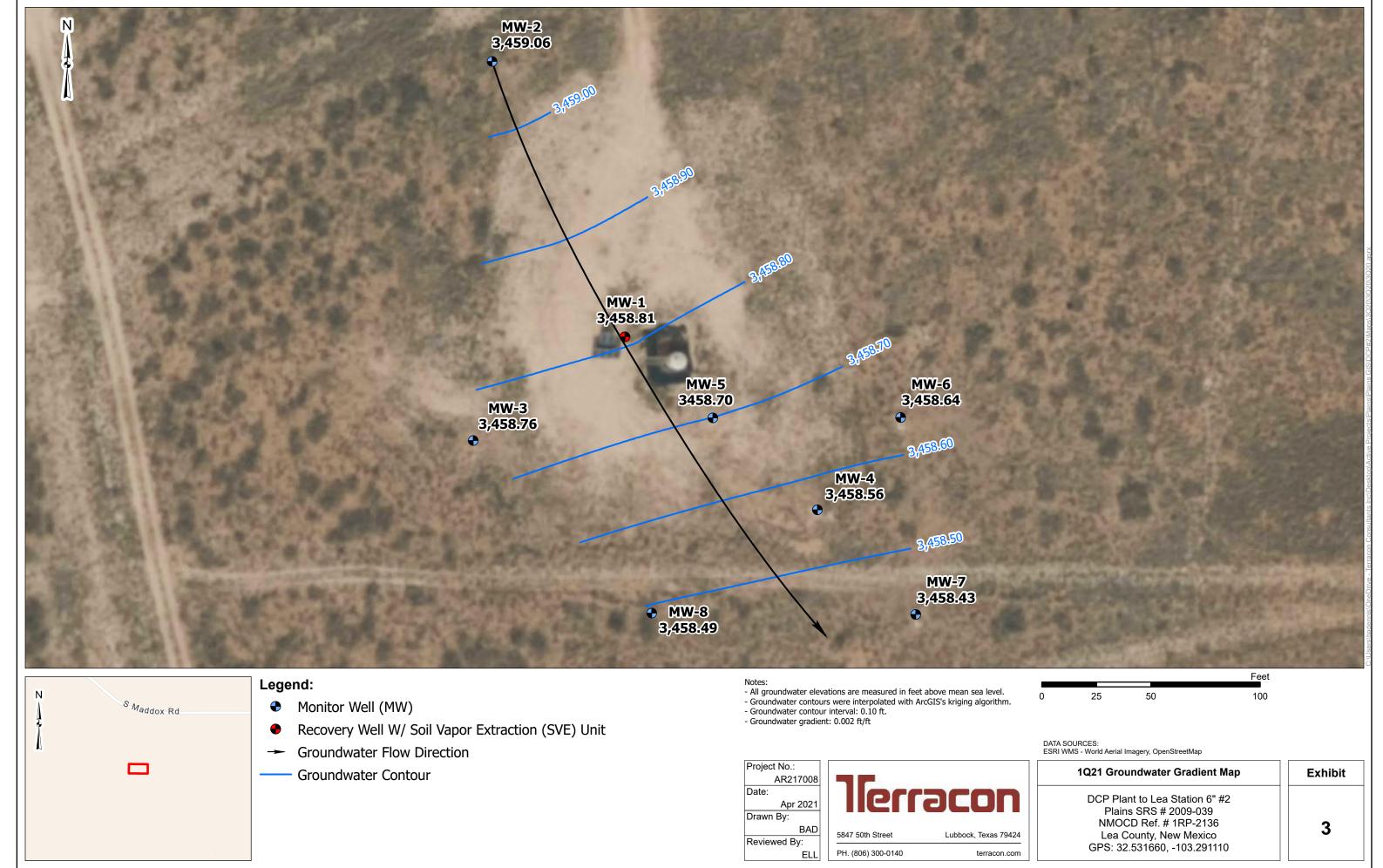
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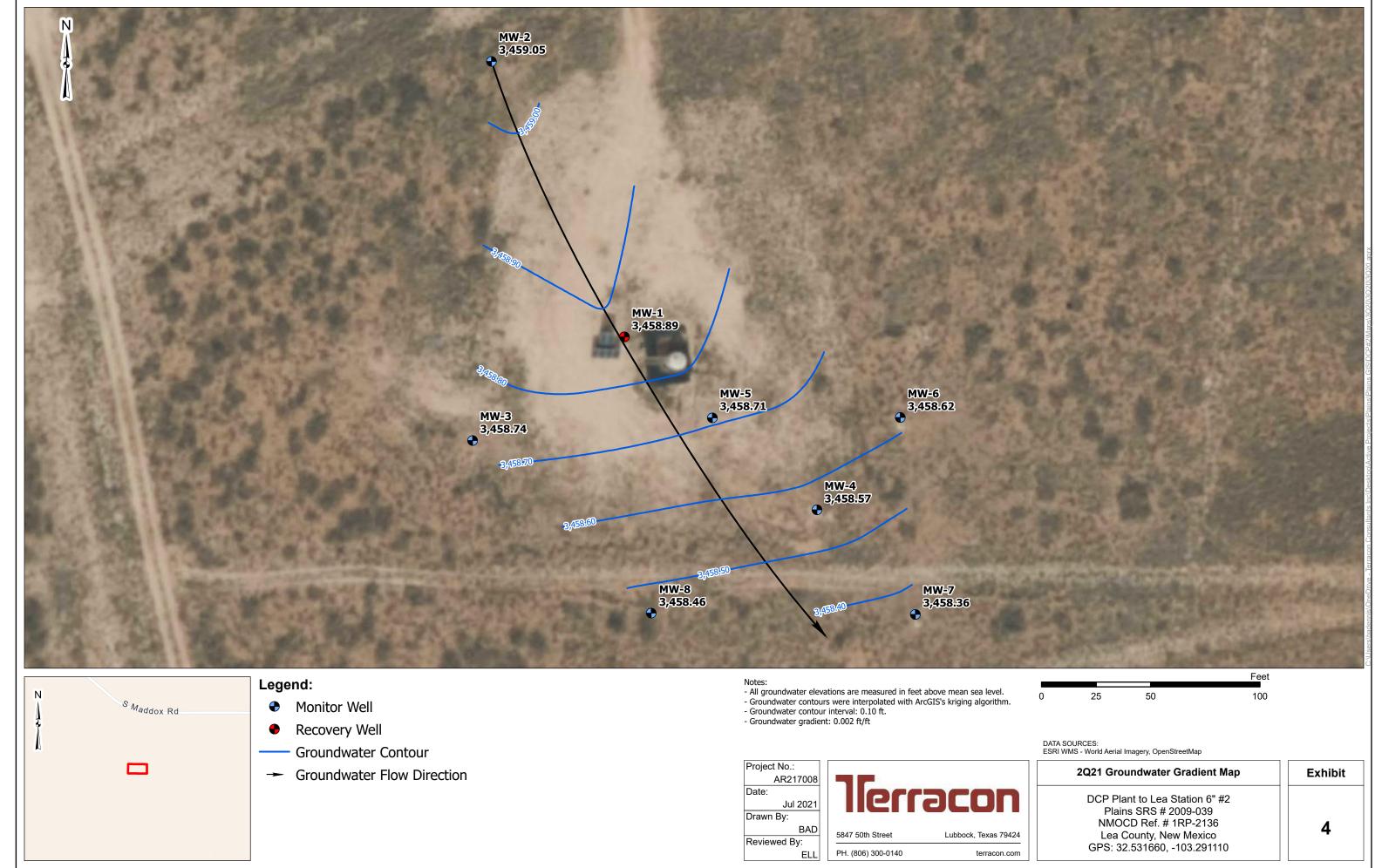
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- Monitor Well
- Recovery Well
- Groundwater Contour
- Groundwater Flow Direction

PH. (806) 300-0140

Project No.:

Drawn By:

Date:



terracon.com

3Q21 Groundwater Gradient Map

DCP Plant to Lea Station 6" #2 Plains SRS # 2009-039 NMOCD Ref. # 1RP-2136 Lea County, New Mexico GPS: 32.531660, -103.291110

Exhibit

5

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- Monitor Well
- Recovery Well
- Groundwater Contour
- Groundwater Flow Direction

AR217008

Project No.:

Drawn By:

Reviewed By:

Date:



Jan 2022 5847 50th Street Lubbock, Texas 79424 PH. (806) 300-0140 terracon.com DATA SOURCES: ESRI WMS - World Aerial Imagery, OpenStreetMap

4Q21 Groundwater Gradient Map

DCP Plant to Lea Station 6" #2 Plains SRS # 2009-039 NMOCD Ref. # 1RP-2136 Lea County, New Mexico GPS: 32.531660, -103.291110

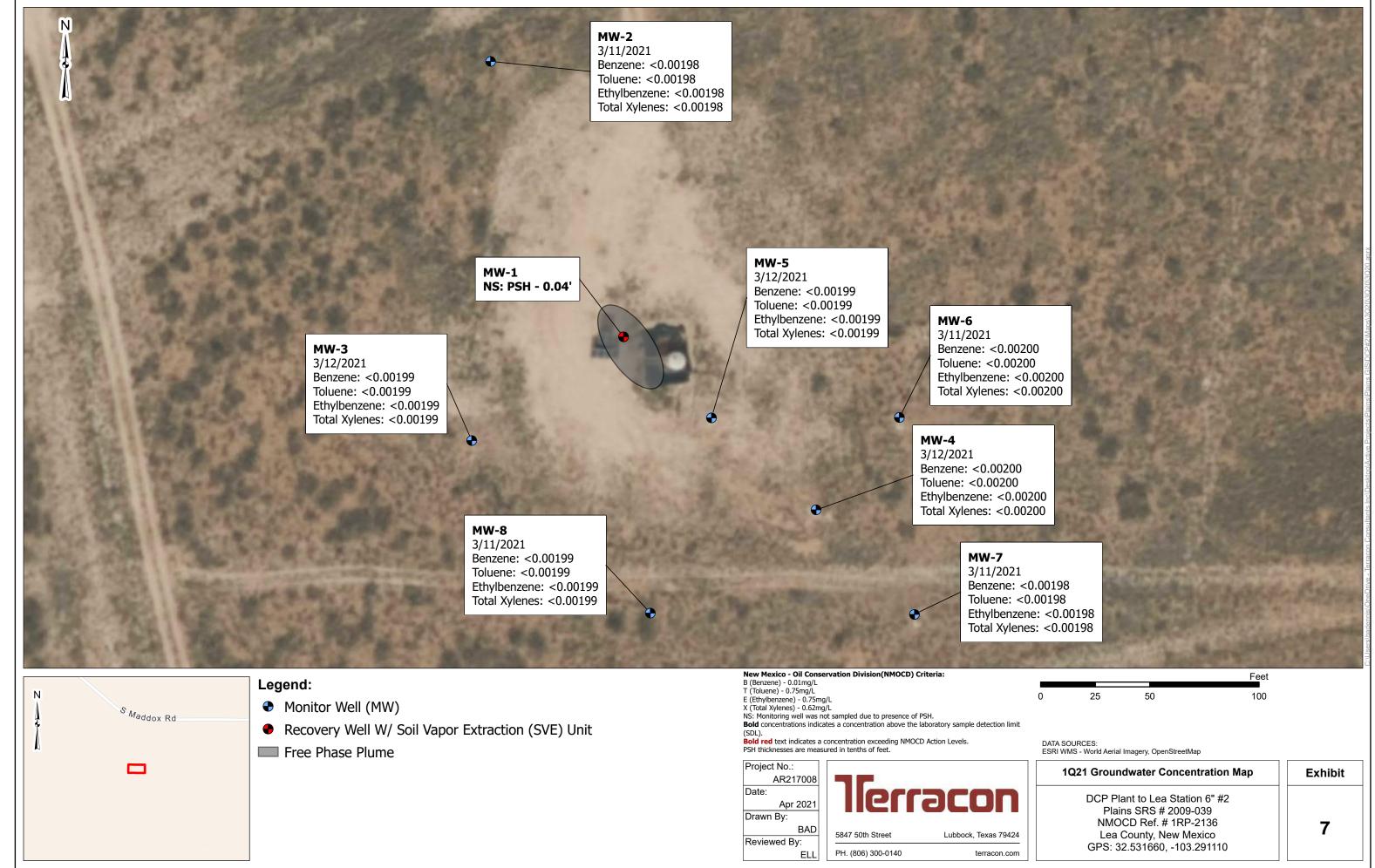
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Exhibit

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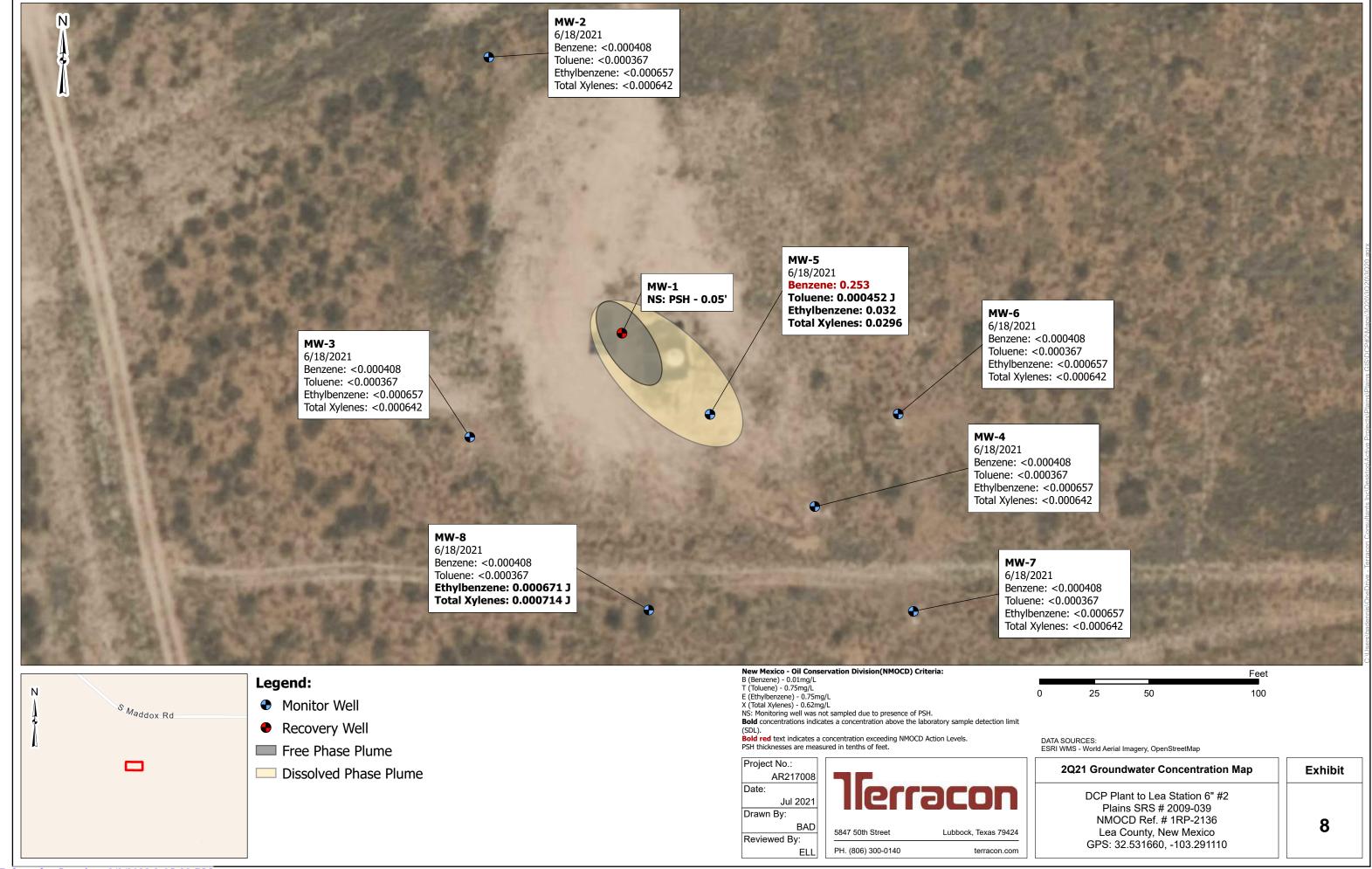
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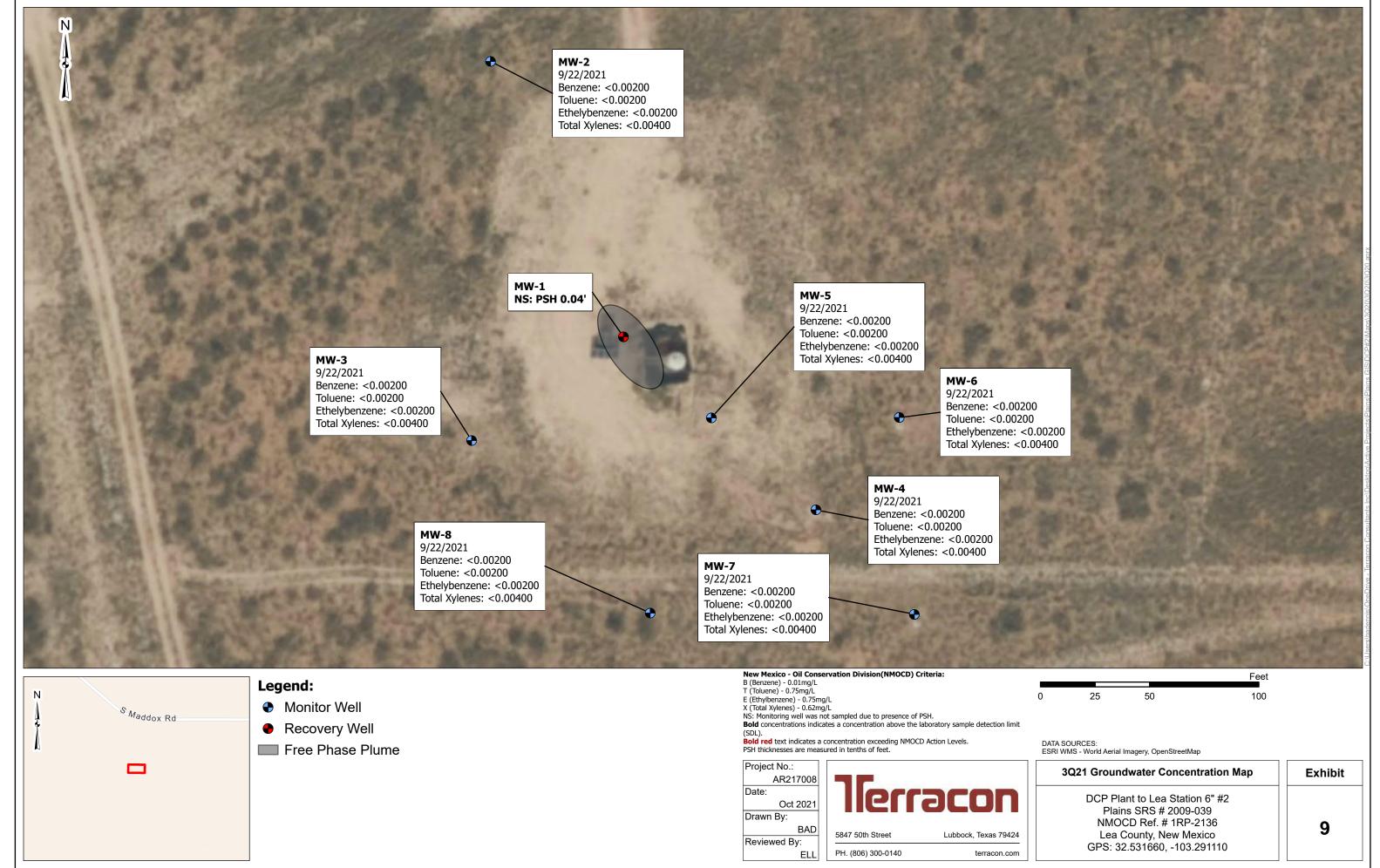
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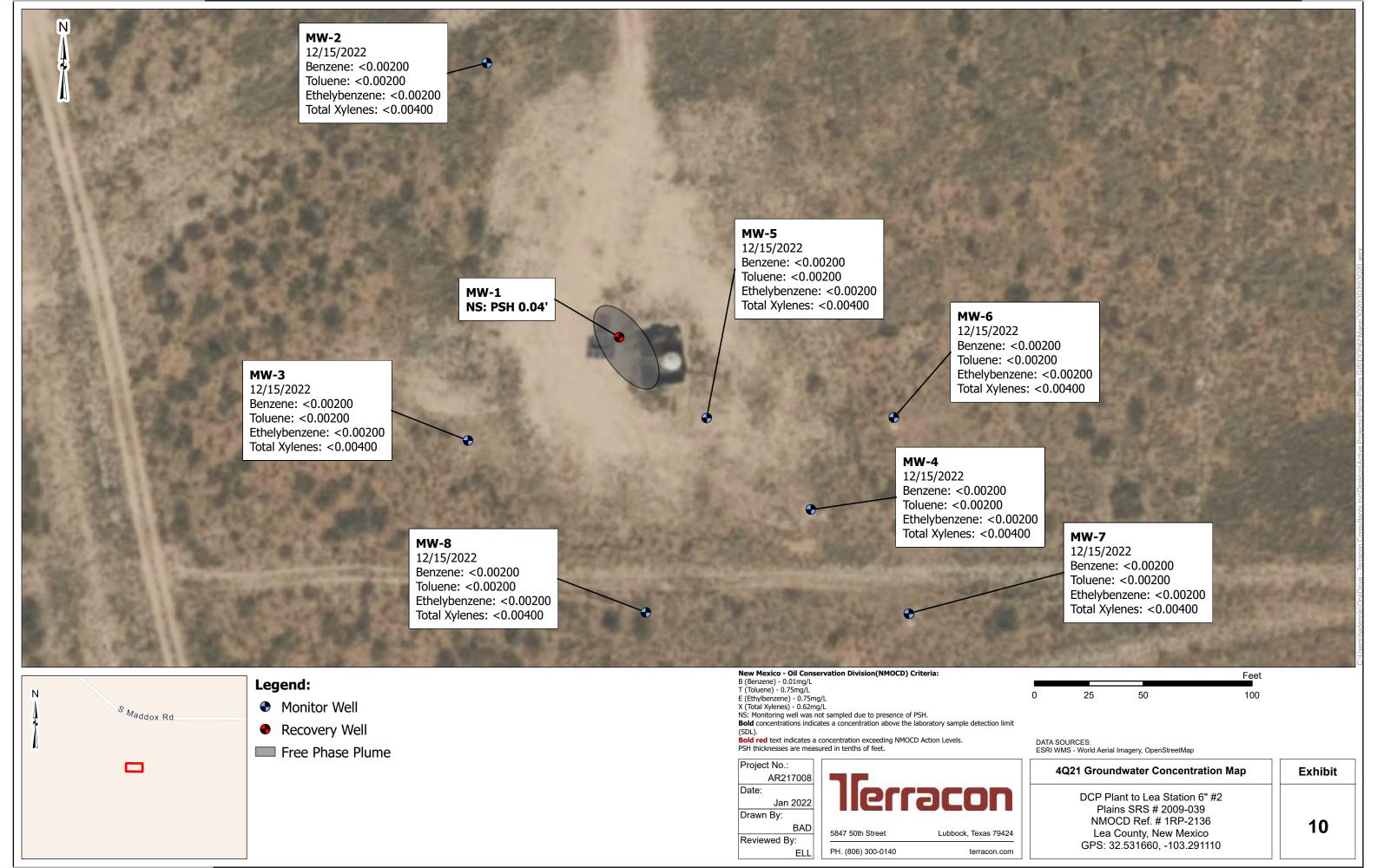


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APPENDIX B

Table 1 – Groundwater Elevation and PSH Thickness Summary

Table 2 – Groundwater BTEX Concentration Analytical Summary

Table 3 – Air Emission Analytical Summary - BTEX and TPH

Table 4a – MW-1 SVE System Operation and PSH Thickness & Recovery Summary

Table 4b – MW-5 Gauging and BTEX Impacted Groundwater Recovery Summary

Table 5 – Concentrations of PAH in Groundwater Summary

Table 1 Groundwater Elevation and PSH¹ Thickness Summary

DCP Plant to Lea Station 6-Inch #2 Lea County, New Mexico Plains Pipeline, L.P. SRS #: 2009-039 Terracon Project #: AR217008

NMOCD² Reference #: 1RP-2136

	All IIIeas	urements are	in reet abo	ve mean Se	a icvei	
Monitoring Well (Well Diameter ")	Date Gauged	Top of Casing (TOC) ³ Elevation*	Depth to PSH Below TOC (feet)	Depth to Water Below TOC (feet)	PSH Thickness (feet)	Corrected Groundwater Elevation**
	01/24/20		81.20	81.50	0.30	3,459.01
	06/24/20		81.32	81.51	0.19	3,458.90
	09/22/20		81.31	81.46	0.15	3,458.92
MW-1 (4")	12/16/20	3,540.25	81.42	81.49	0.07	3,458.82
10100-1 (4)	03/11/21	0,040.20	81.43	81.47	0.04	3,458.81
	06/18/21		81.35	81.40	0.05	3,458.89
	09/22/21		81.37	81.41	0.04	3,458.87
	12/15/21		81.42	81.46	0.04	3,458.82
			•		1	
	01/24/20		-	81.50	-	3,456.81
	06/24/20		-	79.20	-	3,459.11
	09/22/20		-	79.17	-	3,459.14
MW-2 (2")	12/16/20	3,538.31	-	79.23	-	3,459.08
` ,	03/11/21	· ·	-	79.25	-	3,459.06
	06/18/21		-	79.26	-	3,459.05
	09/22/21		-	79.57	-	3,458.74
	12/15/21		-	79.31	-	3,459.00
	04/04/00			00.40		0.450.04
	01/24/20		-	80.10	-	3,458.84
	06/24/20		<u> </u>	80.16	-	3,458.78
	09/22/20		-	80.16	-	3,458.78
MW-3 (2")	12/16/20	3,538.94	-	80.19	-	3,458.75
	03/11/21		-	80.18	-	3,458.76
	06/18/21			80.20	-	3,458.74
	09/22/21		-	80.53	-	3,458.41
	12/15/21		-	80.29	-	3,458.65
	04/04/00		ı	81.02	T 1	2.450.05
	01/24/20		-	81.02	-	3,458.65
	06/24/20					3,458.58
	09/22/20	3,539.67	-	81.14	-	3,458.53
MW-4 (4")	12/16/20			80.72	-	3,458.95
	03/11/21		-	81.11	-	3,458.56
	06/18/21		-	81.10	-	3,458.57
	09/22/21		-	81.23	-	3,458.44
	12/15/21		_	81.14	-	3,458.53
	01/24/20			90.72		2 450 02
	01/24/20		-	80.73	-	3,458.82
	06/24/20 09/22/20			80.81 80.79	-	3,458.74 3,458.76
	12/16/20		-	80.90	-	3,458.65
MW-5 (4")	03/11/21	3,539.55		80.85	-	3,458.70
	06/18/21		-	80.84	-	3,458.71
	09/22/21		_	80.85	-	3,458.70
	12/15/21			80.90	-	3,458.65
	12/13/21			00.90		J,400.05
	01/24/20		I -	80.54	- 1	3,458.68
	06/24/20		-	80.54	-	3,458.68
	09/22/20		-	80.53	-	3,458.69
			-		-	
MW-6 (2")	12/16/20 03/11/21	3,539.22		80.53 80.58	-	3,458.69 3,458.64
	06/18/21			80.60	-	3,458.62
	09/22/21			80.68	- -	3,458.54
	12/15/21		-	80.63		3,458.59
	12/13/21			00.03		5,450.59
	01/24/20		-	80.49	I	3,458.48
	06/24/20			80.50		3,458.47
	09/22/20		-	80.48	-	3,458.49
	12/16/20		-	80.50		3,458.47
MW-7 (4")	03/11/21	3,538.97		80.54	-	3,458.43
	06/18/21		<u> </u>	80.61		3,458.36
	09/22/21			80.63	-	3,458.34
	12/15/21			80.64		3,458.33
	12/13/21			00.04		5,450.55
	08/18/20			Monitor	Well Instal	led
	09/22/20		_	81.46	-	3,458.58
	12/16/20		<u> </u>	81.52		3,458.52
MW-8 (2")	03/11/21	3,540.04		81.55	-	3,458.49
5 (2)	06/18/21	0,0.0.0		81.58		3,458.46
				01.00		
			_	81 59		3 150 16
	09/22/21 12/15/21		-	81.58 81.61	-	3,458.46 3,458.43

Notes:

1. PSH: Phase Separated Hydrocarbons
2. NMOCD: New Mexico Oil Conservation Division
3. TOC: Top of Casing
* Elevations based on the North American Vertical Datum of 1988.
**Corrected groundwater elevations were extrapolated using a PSH specific gravity of 0.85, if PSH was gauged in the monitoring well.

Table 2 Groundwater BTEX¹ Concentration Analytical Summary

DCP Plant to Lea Station 6-Inch #2 Lea County, New Mexico Plains Pipeline, L.P. SRS #: 2009-039 Terracon Project #: AR217008 NMOCD² Reference #: 1RP-2136

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

Monitoring	_	EPA SW846-8021B						
Well	Date Sampled	Benzene	Toluene	Ethylbenzene	M,P-	0-	Total	Total
NMOCD DD	AL CRITERIA ³	0.01	0.75	0.75	Xylenes	Xylenes AL XYLENES	Xylenes	BTEX NE ⁴
NINIOCD RRA	01/24/20	0.01	0.73	0.73	101	AL XILLINE	3 0.02	NE
	06/24/20	-						
	09/22/20							
MW -1	12/16/20					. 50.15		
IVIVV -1	03/11/21			MW-1 No	ot Sample Du	e to PSH°		
	06/18/21							
	09/22/21							
	12/15/21							
	01/24/20	<0.000480	<0.000512	<0.000616	<0.000454	<0.000270	<0.000270	<0.000270
	06/24/20	<0.000408	< 0.000367	< 0.000657	< 0.000630	< 0.000642	< 0.000630	< 0.000367
	09/22/20	<0.000408	< 0.000367	< 0.000657	< 0.000630	< 0.000642	< 0.000630	< 0.000367
MW-2	12/16/20	0.00174 J	< 0.000367	< 0.000657	<0.000630	< 0.000642	<0.000630	0.00174 J
	03/11/21	<0.00198	<0.00198	<0.00198	< 0.00397	<0.00198	<0.00198	<0.00198
	06/18/21	<0.000408	< 0.000367	<0.000657	<0.000629	<0.000642	<0.000642	<0.000657
	09/22/21	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00200
	12/15/21	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400
	01/24/20	<0.000480	<0.000512	<0.000616	<0.000454	<0.000270	<0.000270	<0.000270
	06/24/20	<0.000408	< 0.000367	<0.000657	<0.000630	<0.000642	<0.000630	< 0.000367
	09/22/20	<0.000408	< 0.000367	< 0.000657	<0.000630	< 0.000642	<0.000630	< 0.000367
MW-3	12/16/20	0.00148 J	< 0.000367	<0.000657	<0.000630	<0.000642	<0.000630	0.00148 J
	03/12/21	<0.00199	< 0.00199	<0.00199	<0.00398	<0.00199	<0.00199	<0.00199
	06/18/21	<0.000408	< 0.000367	<0.000657	<0.000629	<0.000642	<0.000642	<0.000657
	09/22/21	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00200
	12/15/21	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400
	01/24/20	<0.000480	<0.000512	<0.000616	<0.000454	<0.000270	<0.000270	<0.000270
	06/24/20	<0.000408	< 0.000367	<0.000657	<0.000630	<0.000642	<0.000630	< 0.000367
	09/22/20	<0.000408	< 0.000367	<0.000657	<0.000630	<0.000642	<0.000630	<0.000367
MW-4	12/16/20	0.00140 J	< 0.000367	<0.000657	< 0.000630	< 0.000642	<0.000630	0.00140 J
WW-4	03/12/21	<0.00200	<0.00200	<0.00200	< 0.00399	<0.00200	<0.00200	<0.00200
	06/18/21	<0.000408	< 0.000367	<0.000657	< 0.000629	<0.000642	<0.000642	< 0.000657
	09/22/21	<0.00200	< 0.00200	<0.00200	< 0.00400	<0.00200	<0.00400	<0.00200
	12/15/21	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400
	12/15/21	<0.00200 4.37	<0.00200 0.0400 J	<0.00200 0.275		<0.00200		<0.00400
	01/24/20 06/24/20	4.37 2.38	0.0400 J 0.00167 J	0.275 0.117	<0.00400 0.210 0.085	0.140 0.0412	<0.00400 0.350 0.126	5.04 2.63
	01/24/20 06/24/20 09/22/20	4.37 2.38 1.42	0.0400 J 0.00167 J 0.00192 J	0.275 0.117 0.126	<0.00400 0.210 0.085 0.138	0.140 0.0412 0.0379	<0.00400 0.350 0.126 0.176	5.04 2.63 1.72
	01/24/20 06/24/20 09/22/20 DUP-1	4.37 2.38 1.42 3.20	0.0400 J 0.00167 J 0.00192 J 0.00670 J	0.275 0.117 0.126 0.312	<0.00400 0.210 0.085 0.138 0.348	0.140 0.0412 0.0379 0.106	<0.00400 0.350 0.126 0.176 0.454	5.04 2.63 1.72 3.97
	01/24/20 06/24/20 09/22/20 DUP-1 12/16/20	4.37 2.38 1.42 3.20 0.00495	0.0400 J 0.00167 J 0.00192 J 0.00670 J <0.000367	0.275 0.117 0.126 0.312 <0.000657	<.0.00400 0.210 0.085 0.138 0.348 <0.000630	0.140 0.0412 0.0379 0.106 <0.000642	0.350 0.126 0.176 0.454 <0.000630	5.04 2.63 1.72 3.97 0.00495
MW-5	01/24/20 06/24/20 09/22/20 DUP-1 12/16/20 DUP-1	4.37 2.38 1.42 3.20 0.00495 0.00409	0.0400 J 0.00167 J 0.00192 J 0.00670 J <0.000367 <0.000367	0.275 0.117 0.126 0.312 <0.000657 <0.000657	0.210 0.085 0.138 0.348 <0.000630 <0.000630	0.140 0.0412 0.0379 0.106 <0.000642 <0.000642	0.350 0.126 0.176 0.454 <0.000630 <0.000630	5.04 2.63 1.72 3.97 0.00495 0.00409
MW-5	01/24/20 06/24/20 09/22/20 DUP-1 12/16/20 DUP-1 03/12/21	4.37 2.38 1.42 3.20 0.00495 0.00409 <0.00199	0.0400 J 0.00167 J 0.00192 J 0.00670 J <0.000367 <0.000367 <0.00199	0.275 0.117 0.126 0.312 <0.000657 <0.000657 <0.00199	<.0.00400 0.210 0.085 0.138 0.348 <.0.000630 <.0.000630 <.0.000830	0.140 0.0412 0.0379 0.106 <0.000642 <0.000642 <0.00199	<0.00400 0.350 0.126 0.176 0.454 <0.000630 <0.000630 <0.00199	5.04 2.63 1.72 3.97 0.00495 0.00409 <0.00199
MW-5	01/24/20 06/24/20 09/22/20 DUP-1 12/16/20 DUP-1 03/12/21 06/18/21	4.37 2.38 1.42 3.20 0.00495 0.00409 <0.00199 0.253	0.0400 J 0.00167 J 0.00192 J 0.00670 J <0.000367 <0.000367 <0.00199 0.000452 J	0.275 0.117 0.126 0.312 <0.000657 <0.000657 <0.00199 0.0320	 <0.00400 0.210 0.085 0.138 0.348 <0.000630 <0.000630 <0.00398 <0.0256 	0.140 0.0412 0.0379 0.106 <0.000642 <0.000642 <0.00199 0.00402	<0.00400 0.350 0.126 0.176 0.454 <0.000630 <0.000630 <0.00199 0.0296	5.04 2.63 1.72 3.97 0.00495 0.00409 <0.00199 0.315
MW-5	01/24/20 06/24/20 09/22/20 DUP-1 12/16/20 DUP-1 03/12/21 06/18/21	4.37 2.38 1.42 3.20 0.00495 0.00409 <0.00199 0.253 0.210	0.0400 J 0.00167 J 0.00192 J 0.00670 J <0.000367 <0.00199 0.000452 J 0.000581 J	0.275 0.117 0.126 0.312 <0.000657 <0.000657 <0.00199 0.0320 0.0289	 <0.00400 0.210 0.085 0.138 <0.000630 <0.000630 <0.00398 <0.0256 <0.0233 	0.140 0.0412 0.0379 0.106 <0.000642 <0.00199 0.00402 0.00343	<0.00400 0.350 0.126 0.176 0.454 <0.000630 <0.00199 0.0296 0.0267	5.04 2.63 1.72 3.97 0.00495 0.00409 <0.00199 0.315
MW-5	01/24/20 06/24/20 09/22/20 DUP-1 12/16/20 DUP-1 03/12/21 06/18/21 DUP-1 09/22/21	4.37 2.38 1.42 3.20 0.00495 0.00409 <0.00199 0.253 0.210 <0.00200	0.0400 J 0.00167 J 0.00192 J 0.00670 J <0.000367 <0.000367 <0.00199 0.000452 J 0.000581 J <0.00200	0.275 0.117 0.126 0.312 <0.000657 <0.000657 <0.00199 0.0320 0.0289 <0.00200	<.0.00400 0.210 0.085 0.138 0.348 <.0.000630 <0.000398 0.0256 0.0233 <0.00400	0.140 0.0412 0.0379 0.106 <0.000642 <0.000642 <0.00199 0.00402 0.00343 <0.00200	 <0.00400 0.350 0.126 0.176 0.454 <0.000630 <0.00199 0.0296 0.0267 <0.00400 	5.04 2.63 1.72 3.97 0.00495 <0.00199 0.315 0.266 0.00219*
MW-5	01/24/20 06/24/20 09/22/20 DUP-1 12/16/20 DUP-1 03/12/21 06/18/21 DUP-1 09/22/21 DUP-1	4.37 2.38 1.42 3.20 0.00495 0.00409 <0.00199 0.253 0.210	0.0400 J 0.00167 J 0.00192 J 0.00670 J <0.000367 <0.00199 0.000452 J 0.000581 J <0.00200 <0.00200	0.275 0.117 0.126 0.312 <0.000657 <0.000657 <0.00199 0.0320 0.0289 <0.00200 <0.00200	 <0.00400 0.210 0.085 0.138 0.348 <0.000630 <0.00398 <0.0256 <0.0233 <0.00400 <0.00400 	0.140 0.0412 0.0379 0.106 <0.000642 <0.00199 0.00402 <0.00200 <0.00200	 <0.00400 0.350 0.126 0.176 0.454 <0.000630 <0.00199 0.0296 0.0267 <0.00400 <0.00400 	5.04 2.63 1.72 3.97 0.00499 <0.00199 0.315 0.266 0.00219* 0.00254*
MW-5	01/24/20 06/24/20 09/22/20 DUP-1 12/16/20 DUP-1 03/12/21 06/18/21 DUP-1 09/22/21	4.37 2.38 1.42 3.20 0.00495 0.00409 0.253 0.210 <0.00200 <0.00200	0.0400 J 0.00167 J 0.00192 J 0.00670 J <0.000367 <0.000367 <0.00199 0.000452 J 0.000581 J <0.00200	0.275 0.117 0.126 0.312 <0.000657 <0.000657 <0.00199 0.0320 0.0289 <0.00200	<.0.00400 0.210 0.085 0.138 0.348 <.0.000630 <0.000398 0.0256 0.0233 <0.00400	0.140 0.0412 0.0379 0.106 <0.000642 <0.000642 <0.00199 0.00402 0.00343 <0.00200	 <0.00400 0.350 0.126 0.176 0.454 <0.000630 <0.00199 0.0296 0.0267 <0.00400 	5.04 2.63 1.72 3.97 0.00495 0.00199 0.315 0.266 0.00219*
MW-5	01/24/20 06/24/20 09/22/20 DUP-1 12/16/20 DUP-1 03/12/21 06/18/21 DUP-1 09/22/21 DUP-1 12/15/21 DUP-1	4.37 2.38 1.42 3.20 0.00495 0.00499 <0.00199 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200	0.0400 J 0.00167 J 0.00192 J 0.00670 J <0.000367 <0.000367 <0.00199 0.000452 J 0.00200 <0.00200 <0.00200 <0.00200	0.275 0.117 0.126 0.312 0.000657 <0.000657 <0.00199 0.0320 0.0289 <0.00200 <0.00200 <0.00200	 <0.00400 0.210 0.085 0.138 0.348 <0.000630 <0.00398 <0.0256 <0.0233 <0.00400 <0.00400 <0.00400 	0.140 0.0412 0.0379 0.106 <0.000642 <0.00199 0.00402 0.00343 <0.00200 <0.00200 <0.00200 <0.00200	 <0.00400 0.350 0.126 0.176 0.454 <0.000630 <0.00199 0.0296 0.0267 <0.00400 <0.00400 <0.00400 	5.04 2.63 1.72 3.97 0.00495 0.00199 0.315 0.266 0.00219* 0.00254* <0.00400
MW-5	01/24/20 06/24/20 09/22/20 DUP-1 12/16/20 DUP-1 03/12/21 06/18/21 DUP-1 09/22/21 DUP-1 12/15/21 DUP-1 01/24/20	4.37 2.38 1.42 3.20 0.00495 0.00409 <0.00199 0.253 0.210 <0.000200 <0.00200	0.0400 J 0.00167 J 0.00192 J 0.00670 J <0.000367 <0.000367 <0.00199 0.000452 J 0.000581 J <0.00200 <0.00200 <0.00200	0.275 0.117 0.126 0.312 <0.000657 <0.000657 <0.000659 0.0320 0.0289 <0.00200 <0.00200 <0.00200 <0.00200	 <0.00400 0.210 0.085 0.138 0.348 <0.000630 <0.000630 <0.00398 <0.0256 <0.0233 <0.00400 <0.00400 <0.00400 	0.140 0.0412 0.0379 0.106 <0.000642 <0.00199 0.00402 0.00343 <0.00200 <0.00200	 <0.00400 0.350 0.126 0.176 0.454 <0.000630 <0.00199 <0.0296 <0.0267 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 	5.04 2.63 1.72 3.97 0.00495 0.00409 0.315 0.266 0.00219* 0.00254* <0.00400 0.00400
MW-5	01/24/20 06/24/20 09/22/20 DUP-1 12/16/20 DUP-1 03/12/21 06/18/21 DUP-1 09/22/21 DUP-1 12/15/21 DUP-1	4.37 2.38 1.42 3.20 0.0045 0.00409 <0.00199 0.253 0.210 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200	0.0400 J 0.00167 J 0.00192 J 0.00670 J <0.000367 <0.000367 <0.00199 0.000582 J 0.000582 J 0.00200 <0.00200 <0.00200 <0.00200 <0.00200	0.275 0.117 0.126 0.312 <0.000657 <0.00199 0.0320 0.0229 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200	 <0.00400 0.210 0.085 0.138 <0.000630 <0.000630 <0.00398 <0.0233 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 	0.140 0.0412 0.0379 0.106 <0.000642 <0.000642 <0.00199 0.00402 0.00343 <0.00200 <0.00200 <0.00200 <0.00200	 <0.00400 0.350 0.126 0.176 0.454 <0.000630 <0.00199 0.0296 0.0267 <0.00400 <0.00400 <0.00400 	5.04 2.63 1.72 3.97 0.00495 0.00499 0.315 0.266 0.00219* 0.00254* <0.00400 <0.00400
	01/24/20 06/24/20 09/22/20 DUP-1 12/16/20 DUP-1 12/16/20 DUP-1 06/18/21 DUP-1 12/15/21 DUP-1 12/15/21 DUP-1 06/24/20 06/24/20 09/22/20 12/16/20	4.37 2.38 1.42 3.20 0.00495 0.00495 0.00495 0.210 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.000480 <0.000408 <0.000408 <0.000408 <0.000408	0.0400 J 0.00167 J 0.00192 J 0.00670 J <0.000367 <0.000367 <0.00199 0.000452 J <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200	0.275 0.117 0.126 0.312 <0.000657 <0.000807 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.000067 <0.000657 <0.000657	 <0.00400 0.210 0.085 0.138 <0.000630 <0.000630 <0.00256 <0.00240 <0.00400 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 	0.140 0.0412 0.0379 0.106 <0.000642 <0.000642 <0.00199 0.00402 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.000642 <0.000642 <0.000642	 <0.00400 0.350 0.126 0.176 0.454 <0.000630 <0.000630 <0.00196 <0.00267 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00630 <0.00630 <0.00630 <0.00630 <0.00630 <0.00630 <0.00630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 	5.04 2.63 1.72 3.97 0.00495 0.00495 0.00199 0.315 0.266 0.00219* 0.00254* 0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.000367 <0.000367
MW-5	01/24/20 06/24/20 09/22/20 DUP-1 12/16/20 DUP-1 03/12/21 06/18/21 DUP-1 12/15/21 DUP-1 12/15/21 DUP-1 12/15/21 DUP-1 09/22/20 06/24/20 09/22/20 12/16/20 03/11/21	4.37 2.38 1.42 3.20 0.00495 0.00499 0.253 0.210 <0.00290 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200	0.0400 J 0.00167 J 0.00192 J 0.00670 J <0.000367 <0.000367 <0.000367 <0.000452 J <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367	0.275 0.117 0.126 0.312 <0.000657 <0.000657 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.000657 <0.000657 <0.000657	 <0.00400 0.210 0.085 0.138 0.348 <0.000630 <0.00053 <0.00256 <0.00230 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.000630 <0.000630 <0.000630 <0.000630 	0.140 0.0412 0.0379 0.00642 0.000642 0.000642 0.000940 0.000402 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200	 <0.00400 0.350 0.126 0.176 0.454 <0.000630 <0.000630 <0.000630 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.000630 	5.04 2.63 1.72 3.97 0.00495 0.00495 0.266 0.00219* 0.00254* <0.00400 0.000300 0.000300 0.000300 0.000300 0.000300 0.000300 0.000300 0.000300 0.000300
	01/24/20 06/24/20 09/22/20 DUP-1 12/16/20 DUP-1 03/12/21 06/18/21 DUP-1 09/22/21 DUP-1 12/15/21 DUP-1 01/24/20 06/24/20 09/22/20 12/16/20 09/22/20 12/16/20 09/21/20 0	4.37 2.38 1.42 3.20 0.00498 0.00498 0.253 0.253 0.210 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200	0.0400 J 0.00167 J 0.00192 J 0.00670 J 0.000570 J 0.000367 0.000367 0.000452 J 0.000581 J 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00367 0.00367 0.00367 0.00367 0.00367 0.00367 0.00367 0.00367	0.275 0.117 0.126 0.312 <0.000657 <0.000857 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.000657 <0.000657 <0.000267 <0.000267	 <0.00400 0.210 0.085 0.348 <0.000630 <0.000630 <0.000630 <0.000630 <0.000400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.000630 <l><0.000630 <0.000630 <0.000</l>	0.140 0.0412 0.0379 0.106 <0.000642 <0.000642 <0.00042 0.00343 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.	 <0.00400 0.350 0.126 0.176 0.454 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000600 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.000630 <0.000642 	5.04 2.63 1.72 3.97 0.00495 0.00409 <0.00199 0.315 0.266 0.00219 <0.00264 <0.00400 <0.00400 <0.00400 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367
	01/24/20 06/24/20 09/22/20 09/22/20 DUP-1 12/16/20 DUP-1 12/16/20 09/18/21 DUP-1 12/15/21 DUP-1 12/15/21 DUP-1 12/15/21 DUP-1 06/24/20 09/22/20 12/16/20 03/11/21 06/18/21 09/22/21	4.37 2.38 1.42 3.20 0.00495 0.00499 0.253 0.210 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200	0.0400 J 0.00167 J 0.00192 J 0.00670 J <0.000367 <0.000367 <0.00199 0.000562 J 0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200	0.275 0.117 0.126 0.312 <0.000657 <0.00200 <0.00200 0.00200 0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.0000657 <0.000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657	 <0.00400 0.210 0.085 0.138 <0.000630 <0.000630 <0.00256 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000620 <0.000629 <0.000629 	0.140 0.0412 0.0379 0.106 <0.000642 <0.000642 <0.000402 0.00343 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642	 <0.00400 0.350 0.126 0.176 0.454 <0.000630 <0.000630 <0.00199 <0.0296 <0.00409 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00630 <0.00630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000600 <0.000600	5.04 2.63 1.72 3.97 0.00495 0.00495 0.00199 0.0219* 0.00254* 0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.000860 <0.0000865 <0.00200 <0.0000865
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	01/24/20 06/24/20 09/22/20 09/22/20 DUP-1 12/16/20 DUP-1 12/16/20 09/18/21 DUP-1 12/15/21 DUP-1 12/15/21 DUP-1 12/15/21 DUP-1 06/24/20 09/22/20 12/16/20 03/11/21 06/18/21 09/22/21	4.37 2.38 1.42 3.20 0.00495 0.00499 0.253 0.210 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200	0.0400 J 0.00167 J 0.00192 J 0.00670 J <0.000367 <0.000367 <0.00199 0.000582 J 0.002200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200	0.275 0.117 0.126 0.312 <0.000657 <0.00200 <0.00200 0.00200 0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.0000657 <0.000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657	 <0.00400 0.210 0.085 0.138 <0.000630 <0.000630 <0.00256 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000620 <0.000629 <0.000629 	0.140 0.0412 0.0379 0.106 <0.000642 <0.000642 <0.000402 0.00343 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642	 <0.00400 0.350 0.126 0.176 0.454 <0.000630 <0.000630 <0.00199 <0.0296 <0.00409 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00630 <0.00630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000600 <0.000600	5.04 2.63 1.72 3.97 0.00495 0.00499 0.315 0.266 0.00219 0.00219 0.00367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367
	01/24/20 06/24/20 09/22/20 DUP-1 12/16/20 DUP-1 12/16/20 DUP-1 06/18/21 DUP-1 12/15/21 DUP-1 12/15/21 DUP-1 01/24/20 06/24/20 09/22/20 12/16/20 03/11/21 09/22/20 12/16/20 03/11/21 09/22/21 12/15/21	4.37 2.38 1.42 3.20 0.00495 0.00499 0.253 0.210 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200	0.0400 J 0.00167 J 0.00167 J 0.00670 J 0.00670 J 0.00670 J 0.000367 0.000367 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200	0.275 0.117 0.126 0.312 <0.000657 <0.000657 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657	 <0.00400 0.210 0.085 0.138 0.348 <0.000630 <0.000630 <0.0039 <0.00256 <0.00256 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.000630 <0.000630<td>0.140 0.0412 0.0379 0.106 < 0.000642 0.000402 0.00200 0.00200 0.00200 0.00200 0.000642</td><td> <0.00400 0.350 0.126 0.127 0.454 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.00400 <0.00400 <0.00400 <0.00400 <0.000630 <0.000640 <0.000640 <0.000640 <0.000640 <0.000640 </td><td>5.04 2.63 1.72 3.97 0.00495 0.00499 0.315 0.266 0.00219 0.00199 0.00210 0.00200 <0.000000 <0.0000000 <0.00000000</td>	0.140 0.0412 0.0379 0.106 < 0.000642 0.000402 0.00200 0.00200 0.00200 0.00200 0.000642	 <0.00400 0.350 0.126 0.127 0.454 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.00400 <0.00400 <0.00400 <0.00400 <0.000630 <0.000640 <0.000640 <0.000640 <0.000640 <0.000640 	5.04 2.63 1.72 3.97 0.00495 0.00499 0.315 0.266 0.00219 0.00199 0.00210 0.00200 <0.000000 <0.000000 <0.000000 <0.000000 <0.000000 <0.000000 <0.000000 <0.000000 <0.000000 <0.000000 <0.000000 <0.000000 <0.000000 <0.000000 <0.000000 <0.000000 <0.000000 <0.000000 <0.000000 <0.000000 <0.000000 <0.000000 <0.000000 <0.0000000 <0.0000000 <0.0000000 <0.0000000 <0.0000000 <0.0000000 <0.0000000 <0.0000000 <0.0000000 <0.0000000 <0.0000000 <0.0000000 <0.0000000 <0.0000000 <0.0000000 <0.0000000 <0.00000000
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MW-6	01/24/20 06/24/20 09/22/20 DIP-1 12/16/20 DUP-1 12/16/20 DUP-1 06/18/21 DUP-1 12/15/21 DUP-1 12/15/21 DUP-1 12/15/21 DUP-1 01/24/20 06/24/20 09/22/21 12/15/21 06/18/21 09/22/21 09/22/21 09/22/20 09/22/20 09/22/20 01/24/20 09/22/20 01/24/20 09/22/20 09/22/20	4.37 2.38 1.42 3.20 0.00495 0.00495 0.00499 0.253 0.210 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 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MW-6	01/24/20 06/24/20 09/22/20 DUP-1 12/16/20 DUP-1 12/16/20 DUP-1 12/16/20 DUP-1 12/16/20 06/18/21 DUP-1 12/15/21 DUP-1 12/15/21 DUP-1 12/15/21 DUP-1 12/15/21 06/18/21 09/22/20 12/16/20 03/11/21 06/18/21 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20	4.37 2.38 1.42 3.20 0.00495 0.00495 0.253 0.210 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.002000 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200	0.0400 J 0.00167 J 0.00167 J 0.00192 J 0.00070 J 0.000367 0.000367 0.000367 0.000367 0.000367 0.000367 0.000367 0.000367 0.000367 0.000367 0.000367 0.000367	0.275 0.117 0.126 0.312 <0.000657 <0.00069 0.0320 0.0289 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.000657 <0.000657 <0.000667 <0.000667 <0.000667 <0.000667 <0.000667 <0.000667 <0.000667 <0.000667 <0.000667 <0.000667 <0.000667	 <0.00400 0.210 0.085 0.138 0.348 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.000630 <0.000630 <0.000630 <0.000630 <0.000629 <0.000629 <0.000630 <0.000630<!--</td--><td>0.140 0.0412 0.0379 0.106 0.000642 0.000642 0.000343 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.000642 0.000642 0.000642 0.000642 0.000642 0.000642 0.000642 0.000642</td><td> <0.00400 0.350 0.126 0.176 0.454 <0.000630 <0.000642 <0.000630 <0.000642 <0.000642 <0.000642 <0.000642 <0.000640 </td><td>5.04 2.63 1.72 3.97 0.00495 0.00499 0.315 0.266 0.00219 0.00195 0.002054 0.000367 0.000000 0.000000 0.000000 0.000000 0.000000</td>	0.140 0.0412 0.0379 0.106 0.000642 0.000642 0.000343 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.000642 0.000642 0.000642 0.000642 0.000642 0.000642 0.000642 0.000642	 <0.00400 0.350 0.126 0.176 0.454 <0.000630 <0.000642 <0.000630 <0.000642 <0.000642 <0.000642 <0.000642 <0.000640 	5.04 2.63 1.72 3.97 0.00495 0.00499 0.315 0.266 0.00219 0.00195 0.002054 0.000367 0.000000 0.000000 0.000000 0.000000 0.000000
MW-6	01/24/20 06/24/20 09/22/20 09/22/20 09/22/20 09/22/20 09/21/20 09/18/21 06/18/21 09/22/21 01/24/20 06/24/20 09/22/20 12/16/20 03/11/21 06/24/20	4.37 2.38 1.42 3.20 0.00495 0.00499 0.253 0.210 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200	0.0400 J 0.00167 J 0.00167 J 0.00179 Z 0.00970 J <0.000367 <0.000367 <0.000367 <0.000369 0.000452 J 0.000512 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.000367 <0.00200 <0.000367 <0.00200 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367	0.275 0.117 0.126 0.312 <0.000657 <0.000857 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.000657 <0.000657 <0.000657 <0.000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657	 <0.00400 0.210 0.085 0.138 0.348 <0.000630 <0.000630 <0.000630 <0.00040 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00630 <0.00630 <0.00630 <0.00630 <0.00630 <0.00630 <0.00630 <0.000630 <0.000620 	0.140 0.0412 0.0379 0.106 <0.000642 <0.000642 <0.000642 <0.000642 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642	 <0.00400 0.350 0.126 0.127 0.454 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.000630 <0.000642 	5.04 2.63 1.72 3.97 0.00495 0.00499 0.315 0.266 0.00219 0.00219 0.000367 0.000367 0.0000367 0.00000 0.00000 0.00000 0.000000 0.000000
MW-6	01/24/20 06/24/20 09/22/20 09/22/20 09/22/20 09/22/20 09/22/20 09/18/21 06/18/21 09/22/21 09/22/21 01/24/20 06/24/20 09/22/21 12/15/21 01/24/20 06/24/20 09/22/20 12/16/20 03/11/21 06/24/20 09/22/20 12/16/20 03/11/21 06/24/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20	4.37 2.38 1.42 3.20 0.00495 0.00495 0.253 0.210 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.002000 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200	0.0400 J 0.00167 J 0.00167 J 0.00192 J 0.00070 J 0.000367 0.000367 0.000367 0.000367 0.000367 0.000367 0.000367 0.000367 0.000367 0.000367 0.000367 0.000367	0.275 0.117 0.126 0.312 <0.000657 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657	 <0.00400 0.210 0.085 0.138 0.348 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00630 <0.00630 <0.00630 <0.00620 <0.000630 <0.000630<td>0.140 0.0412 0.0379 0.106 0.000642 0.000642 0.000402 0.00343 0.00200</td><td> <0.00400 0.350 0.126 0.176 0.454 <0.000630 <0.000642 <0.000630 <0.000642 <0.000642 <0.000642 <0.000642 <0.000640 </td><td>5.04 2.63 1.72 3.97 0.00495 0.00499 0.315 0.266 0.00219 0.00195 0.002054 0.000367 0.000000 0.000000 0.000000 0.000000 0.000000</td>	0.140 0.0412 0.0379 0.106 0.000642 0.000642 0.000402 0.00343 0.00200	 <0.00400 0.350 0.126 0.176 0.454 <0.000630 <0.000642 <0.000630 <0.000642 <0.000642 <0.000642 <0.000642 <0.000640 	5.04 2.63 1.72 3.97 0.00495 0.00499 0.315 0.266 0.00219 0.00195 0.002054 0.000367 0.000000 0.000000 0.000000 0.000000 0.000000
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MW-6	01/24/20 06/24/20 09/22/20 DUP-1 12/16/20 DUP-1 12/16/20 DUP-1 06/18/21 DUP-1 12/15/21 DUP-1 12/15/21 DUP-1 12/15/21 06/24/20 06/24/20 09/22/20 12/16/20 06/24/20 09/22/20 12/16/20 06/24/20 09/22/20 12/16/20 06/24/20 09/22/20 12/16/20 06/24/20 09/22/20 12/16/20 06/24/20 09/22/20 12/16/20 06/24/20 09/22/20 12/16/20 06/24/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20	4.37 2.38 1.42 3.20 0.00495 0.00499 0.253 0.210 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200	0.0400 J 0.00167 J 0.00167 J 0.00167 J 0.00170 J 0.00670 J 0.000367 0.000367 0.000367 0.000361 J 0.000512 J 0.000512 d 0.00200	0.275 0.117 0.126 0.312 <0.000657 <0.000657 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.000657 <0.000657 <0.000657 <0.000657 <0.0000657 <0.0000657 <0.0000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.0000657	 <0.00400 0.210 0.085 0.348 <0.00630 <0.00630 <0.00630 <0.00630 <0.00630 <0.00630 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00630 <0.000630 <0.00630 <0.00630 <0.00630 <0.00630 <0.00630 <0.00640 <0.00630 <0.00630 <0.00630 <0.00630 <0.00630 <0.00630 <0.00630 <0.000630 <l><0.000630 <0.000630 <0.</l>	0.140 0.0412 0.0379 0.106 <0.000642 <0.000642 <0.00063 0.00343 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642	 <0.00400 0.350 0.126 0.176 0.454 <0.000630 <0.000630 <0.000630 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.000630 <0.000642 <0.000642 <0.000640 <0.000630 <0.000640 <l><0.000640 <0.000640 <0.000640 <0.000640 <0.000640 <0.000640<td>5.04 2.63 1.72 3.97 0.00495 0.00499 0.315 0.266 0.00219* 0.00254* <0.00400 <0.000400 0.000200 <0.000367 <0.000367</td></l>	5.04 2.63 1.72 3.97 0.00495 0.00499 0.315 0.266 0.00219* 0.00254* <0.00400 <0.000400 0.000200 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367
MW-6	01/24/20 06/24/20 09/22/20 DUP-1 12/16/20 DUP-1 12/16/20 DUP-1 12/16/20 06/18/21 DUP-1 12/15/21 DUP-1 12/15/21 06/18/21 DUP-1 12/15/21 06/24/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20 09/22/20 12/16/20	4.37 2.38 1.42 3.20 0.00495 0.00495 0.253 0.210 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200	0.0400 J 0.00167 J 0.00167 J 0.00167 J 0.00167 J 0.00167 J 0.00167 J 0.00206 J 0.00206 S 0.00200 S	0.275 0.117 0.126 0.312 <0.000657 <0.000657 0.000657 0.000657 0.00200 0.000657 0.000657 0.000657 0.0000657 0.00200 0.000657 0.000657 0.0000657 0.0000657 0.0000657 0.0000657 0.0000657 0.0000657 0.0000657 0.0000657 0.0000657 0.0000657 0.0000657	 <0.00400 0.210 0.085 0.138 0.348 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.000630 <0.000630	0.140 0.0412 0.0379 0.106 <0.000642 <0.000642 <0.000642 0.00343 <0.00200 <0.00343 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642	 <0.00400 0.350 0.126 0.176 0.454 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000400 <0.00400 <0.00400 <0.00400 <0.00400 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000640 <0.000642 <0.000630 <0.000630 <0.000630 <0.000642 <0.000630 <0.000642 <0.000400 <0.000400 <0.000400 	5.04 2.63 1.72 3.97 0.00495 0.00499 0.315 0.266 0.00219 0.00219 0.000367 0.000367 0.000367 0.0000367 0.0000367 0.000367
MW-6	01/24/20 06/24/20 09/22/20 09/22/20 09/22/20 09/22/20 09/22/20 09/21/20 06/18/21 09/22/21 09/22/21 01/24/20 06/24/20 09/22/20 12/16/20 06/24/20 09/22/20 12/16/20 06/24/20 09/22/20 12/16/20 06/24/20 09/22/20 12/16/20 06/24/20 09/22/20 12/16/20 06/24/20 09/22/20 12/16/20 06/24/20 09/22/20 12/16/20 06/24/20 09/22/20 12/16/20 06/24/20 09/22/20 12/16/20 06/18/21 06/18/21 06/18/21 06/18/21 06/18/21 06/18/21 06/18/21 06/18/21 06/18/21 06/18/21 06/18/21 06/18/21 06/18/21 06/18/21 06/18/21 06/18/21 06/18/21 06/18/21	4.37 2.38 1.42 3.20 0.00495 0.00499 0.253 0.210 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200	0.0400 J 0.0400 J 0.00167 J 0.00167 J 0.00192 J 0.00670 J <0.000367 <0.000367 <0.000367 <0.000367 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367	0.275 0.117 0.126 0.312 <0.000657 <0.000657 <0.00099 0.0320 0.0289 <0.00200 <0.00200 <0.00200 <0.00200 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.0000657 <0.00200 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657 <0.0000657	 <0.00400 0.210 0.085 0.138 0.348 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.000630 <0.000630 <0.000620 <0.00400 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000629 <0.000630 	0.140 0.0412 0.0379 0.106 <0.000642 <0.000642 <0.000642 0.00343 <0.00060 <0.00000 <0.00000 <0.00000 <0.00000 <0.00000 <0.0000000 <0.000000 <0.000000 <0.000000 <0.000000 <0.0000000 <0.00000000	 <0.00400 0.350 0.126 0.176 0.454 <0.000630 <0.000630 <0.000630 <0.000630 <0.00400 <0.000630 <0.000642 <0.000630 <0.000630 <0.000630 <0.000630 <0.000640 <0.000642 <0.000630 <0.000630 <0.000642 <0.000642 <0.000642 <0.000642 <0.000630 <0.000642 <0.000642	5.04 2.63 1.72 3.97 0.00495 0.00499 0.315 0.366 0.00219* 0.00254* <0.000490 <0.00090 <0.0000000000000000000000000

- BTEX: Benzene, Toluene, Ethylbenzene, and Total Xylenes
 NMOCD: New Mexico Oil Conservation Division
- RRAL Criteria: Recommended Remediation Action Level Criteria
 NE: Not Established
- 4. NE: Not Established
 J: The target analyte was positively identified below the quantitation limit and above the detection limit
 Bold text indicates a concentration above the laboratory detection limit.

 Highlighted text indicates a concentration exceeding the NMOCD RRAL Criteria

 * = Laboratory control samples indicate Total BTEX concentrations are biased high

TABLE 3 Air Emission Analytical Summary - BTEX1 and TPH2

DCP Plant to Lea Station 6-Inch #2 Lea County, New Mexico Plains Pipeline, L.P. SRS#: 2009-039 NMOCD Reference #: 1RP-2136 Terracon Project No. AR217008

Terracon Project No. AR217008												
Sample I.D.	Sample Date	Laboratory	BTEX / TPH (mg/m³)	Emission Mass³ (tons/year)	Emission Volume (gal/day)							
New Mexico Enviro	nment Department (NN	IED) Air Quality Burea	(AQB) Action Level requiring an Air Permit	10								
			Benzene - 83.4	0.057	0.043							
			Toluene - 527	0.359	0.270							
EF-1 (20200122)	01/22/20	Pace	Ethylbenzene - 67.2	0.045	0.034							
(,			Total Xylene - 158	0.108	0.081							
			Total BTEX - 41	0.028	0.021							
			TPH - GRO - 15,500 Benzene - 19.7	10.6 0.013	9.76							
			Toluene - 141	0.096	0.010 0.072							
== . (0000000)	00/00/00	_	Ethylbenzene - 23.5	0.016	0.012							
EF-1 (20200220)	02/20/20	Pace	Total Xylene - 55.1	0.038	0.028							
			Total BTEX - 15	0.010	0.008							
			TPH - GRO - 5,200	3.54	3.28							
			Benzene - 17.1	0.012	0.009							
			Toluene - 114	0.078	0.058							
EF-1 (20200331)	03/31/20	Pace	Ethylbenzene - 17.5	0.012	0.009							
, ,			Total Xylene - 44.2	0.030	0.023							
			Total BTEX - 11.2 TPH - GRO - N/A	0.008 N/A	0.006 N/A							
			Benzene - 63.6	0.043	0.033							
			Toluene - 452	0.308	0.231							
		_	Ethylbenzene - 81.5	0.055	0.042							
EF-1 (20200430)	04/30/20	Pace	Total Xylene - 49	0.033	0.025							
			Total BTEX - 184	0.125	0.094							
			TPH - GRO - 20,700	14.1	13.0							
			Benzene - 5.17	0.004	0.003							
			Toluene - 43.3	0.029	0.022							
EF-1 (20200528)	05/28/20	Pace	Ethylbenzene - 4.99	0.003	0.003							
, ,			Total Xylene - 96	0.065	0.049							
			Total BTEX - 206 TPH - GRO - 6,110	0.140 4.16	0.105 3.85							
			Benzene - 32.6	0.022	0.017							
			Toluene - 258	0.176	0.132							
== . (0000000)	0.010.010.0	_	Ethylbenzene - 40.4	0.028	0.021							
EF-1 (20200629)	06/29/20	Pace	Total Xylene - 98.4	0.069	0.050							
			Total BTEX - 26.3	0.018	0.013							
			TPH - GRO - 9,010	6.13	5.67							
			Benzene - 14.9	0.010	0.008							
			Toluene - 133	0.091	0.068							
EF-1 (20200729)	07/29/20	Pace	Ethylbenzene - 21.5	0.015	0.011							
			Total Xylene - 49.9 Total BTEX - 13.1	0.034	0.026							
			TPH - GRO - 4,380	2.98	0.007 2.76							
			Benzene - 7.44	0.005	0.004							
			Toluene - 58.8	0.040	0.030							
FFE 4 (00000015)	00/40/00		Ethylbenzene - 8.3	0.006	0.004							
EFF-1 (20200819)	08/19/20	Pace	Total Xylene - 23.1	0.016	0.012							
			Total BTEX - ND	-	-							
			TPH - GRO - 2,780	1.89	1.75							
	-		Benzene - 8.18	0.005	0.004							
			Toluene - 70.4	0.048	0.036							
EFF-1 (09282020)	09/28/20	Pace	Ethylbenzene - 12.8	0.009	0.007							
. ,			Total Xylene - 39.3	0.027	0.020							
			Total BTEX - 131 TPH - GRO - 2.730	0.089 1.86	0.067 1.72							
			IPH - GRO - 2,730 Benzene - 14.8	0.010	0.008							
			Toluene - 127	0.010	0.008							
		_	Ethylbenzene - 25.1	0.017	0.065							
EF-1 (10292020)	10/29/20	Pace	Total Xylene - 77.3	0.053	0.040							
			Total BTEX - 244	0.166	0.125							
			TPH - GRO - 5,410	3.68	3.41							
			2020 TPH Average:	5.4	5.025							

<sup>I. BTEX: Benzene, toluene, ethylbenzene, total xylene analyzed by EPA Method 8021B
2. TPH: Total petroleum hydrocarbons analyzed by EPA Method 8015
3. Emission Mass calculated assuming flowrate 1.1073 (m³/min) and constituent concentration were constant for the entirety of a year.
4. SVE Emission: Soil Vapor Extraction
NA: Indicates constituent was not analyzed
ND: Not detected at the Method Quantitation Limit.
< = Constituent not detected above laboratory sample detection limit (SDL)
Bold denotes concentrations that could potentially be in violation of applicable NMED AQB criteria.</sup>

TABLE 3 Air Emission Analytical Summary - BTEX1 and TPH2

DCP Plant to Lea Station 6-Inch #2 Lea County, New Mexico Plains Pipeline, L.P. SRS#: 2009-039 NMOCD Reference #: 1RP-2136 Terracon Project No. AR217008

Terracon Project No. AR217008												
Sample I.D.	Sample Date	Laboratory	BTEX / TPH (mg/m³)	Emission Mass³ (tons/year)	Emission Volume (gal/day)							
New Mexico Enviro	nment Department (NN	IED) Air Quality Burea	(AQB) Action Level requiring an Air Permit	10								
EF #2	01/28/21	Pace	Benzene - 77.9 Toluene - 701 Ethylbenzene - 136 Total Xylene - 394.4 Total BTEX - 1,309 TPH - GRO - 26,100	0.053 0.477 0.093 0.268 0.891	0.040 0.359 0.070 0.202 0.670 16.44							
EF-1 (0262021)	02/26/21	Pace	Benzene - 45.4 Toluene - 467 Ethylbenzene - 101 Total Xylene - 251 Total BTEX - 864 TPH - GRO - 17.300	0.031 0.318 0.069 0.171 0.588 11.78	0.023 0.239 0.052 0.128 0.442 10.89							
EFF-1 (03302021)	03/30/21	Pace	Benzene - 14.8 Toluene - 264 Ethylbenzene - 34.9 Total Xylene - 107 Total BTEX - 420 TPH - GRO - 6,650	0.010 0.180 0.024 0.072 0.286 4.53	0.008 0.135 0.018 0.055 0.215 4.19							
EFF-1 (04272021)	04/27/21	Pace	Benzene - 29.1 Toluene - 418 Ethylbenzene - 73.3 Total Xylene - 203 Total BTEX - 724 TPH - GRO - 12.200	0.020 0.285 0.050 0.138 0.493 8.30	0.015 0.214 0.038 0.104 0.370 7.68							
EFF-1 (05272021)	05/27/21	Pace	Benzene - ND Toluene - 380 Ethylbenzene - 68.1 Total Xylene - 223 Total BTEX - 671 TPH - GRO - 13,300	ND 0.259 0.046 0.152 0.457 9.05	ND 0.194 0.035 0.114 0.343 8.38							
EFF-1 (06282021)	06/28/21	Pace	Benzene - 16.2 Toluene - 238 Ethylbenzene - 49.9 Total Xylene - 148 Total BTEX - 452 TPH - GRO - 7,480	0.011 0.162 0.034 0.101 0.308 5.09	0.008 0.122 0.026 0.076 0.231 4.71							
EFF-1 (07272021)	07/27/21	Pace	Benzene - 20.8 Toluene - 314 Ethylbenzene - 59.4 Total Xylene - 172 Total BTEX - 567 TPH - GRO - 10,700	0.014 0.214 0.040 0.117 0.386 7.28	0.011 0.161 0.030 0.088 0.290 6.74							
EFF-1 (08252021)	08/25/21	Pace	Benzene - ND Toluene - 307 Ethylbenzene - 68.5 Total Xylene - 196.8 Total BTEX - 572 TPH - GRO - 9,870	ND 0.209 0.047 0.134 0.390 6.72	ND 0.157 0.035 0.101 0.293 6.22							
EFF-1 (09302021)	09/30/21	Pace	Benzene - ND Toluene - 18.0 Ethylbenzene - 3.5 Total Xylene - 40.3 Total BTEX - 61.8 TPH - GRO - 7,230	ND 0.012 0.002 0.027 0.042 4.92	ND 0.009 0.002 0.021 0.032 4.55							
EFF-1 (10282021)	10/28/21	Pace	Benzene - 9.32 Toluene - 198 Ethylbenzene - 42.7 Total Xylene - 132 Total BTEX - 382 TPH - GRO - 6.820	0.006 0.135 0.029 0.090 0.260 4.64	0.005 0.101 0.022 0.067 0.195 4.29							
EFF-1 (11302021)	11/30/21	Pace	Benzene - 22 Toluene - 426 Ethylbenzene - 83.7 Total Xylene - 242.6 Total BTEX - 774 TPH - GRO - 19,200	0.015 0.290 0.057 0.165 0.527 13.07	0.011 0.218 0.043 0.124 0.396 12.09							
EFF-1 (12202021)	12/20/21	Pace	Benzene - ND Toluene - 8.89 Ethylbenzene - ND Total Xylene - 18 Total BTEX - 26.89 TPH - GRO - 4,790	ND 0.006 ND 0.012 0.018 3.26	ND 0.005 ND 0.009 0.014 3.02							
	•	•	2021 TPH Average:	8.0345	7.433							

BETA: Benzene, toluene, ethylbenzene, total xylene analyzed by EPA Method 8021B

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

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

4. SVE Emission: Soil Vapor Extraction

NA: Indicates constituant was not analyzed

ND: Not detected at the Method Quantitation Limit.

- Constituent not detected above laboratory sample detection limit (SDL)

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

TABLE 4a MW-1 SVE¹ System Operation and PSH² Thickness & Recovery Summary

DCP Plant to Lea Station 6-Inch #2 Lea County, New Mexico Plains Pipeline, L.P. SRS #2009-039 Terracon Project #: AR217008 NMOCD³ REFERENCE #: 1RP-2136

All measurements are in feet above mean sea level

All measurements are in feet above mean sea level																																																
Monitoring Well	Date	Top of Casing (TOC) ⁴ Elevation*	Depth to PSH Below TOC (feet)	Depth to Water Below TOC (feet)	PSH Thickness (feet)	PID ⁵ Reading	Hours of Operation	Total Fluid Recovery (gallons)	PSH Recovered (gallons)																																							
	01/10/2020		81.23	81.50	0.27	-	18,668	3.00	0.044																																							
	02/07/2020		81.23	81.50	0.27	1,382.00	-	3.00	0.044																																							
	02/20/2020			81.20	81.40	0.20	1,218.00	19,174	5.00	0.033																																						
	03/02/2020		81.20	81.39	0.19	-	-	4.00	0.031																																							
	03/16/2020		-	81.35	-	1,002.00	19,407	5.00	0.00																																							
	03/30/2020		81.22	81.23	0.01	562.00	19,699	5.00	0.002																																							
	04/16/2020		81.21	81.40	0.19	871.40	19,699	5.00	0.031																																							
	04/30/2020		81.20	81.39	0.19	998.00	20,034	5.00	0.031																																							
	05/28/2020		81.33	81.55	0.22	852.50	20,034	5.00	0.036																																							
	06/18/2020		81.23	81.34	0.11	-	-	5.00	0.018																																							
	06/24/2020							ļ	81.32	81.51	0.19	813.40	20,534	1	-																																	
	06/29/2020			Not Measured		1,384.10	20,658	-	-																																							
	07/29/2020		81.28	81.42	0.14	1,288.00	20,658	-	-																																							
	08/19/2020		81.30	81.45	0.15	1,348.10	21,658	5.00	0.024																																							
MW-1	09/28/2020	3,540.25	81.31	81.40	0.09	366.00	22,021	5.00	0.059																																							
	10/29/2020		81.31	81.41	0.10	584.90	20,658	5.00	0.016																																							
	11/24/2020		81.38	81.45	0.07	-	-	-	-																																							
	12/30/2020		81.41	81.49	0.08	-	-	5.00	0.052																																							
	01/28/2021																		-		.			=						,	ļ	,	!		-	,	}	,	· -			81.31	81.41	0.10	1,875.00	23,289	3.00	0.065
	02/26/2021			Not Measured		3,998.00	23,794	5.00	-																																							
	03/30/2021		81.45	81.51	0.06	1,146.00	-	5.00	0.039																																							
	04/27/2021		81.10	81.14	0.04	1,517.00	25,065	5.00	0.026																																							
	05/28/2021		81.18	81.22	0.04	3,012.00	25,802	5.00	0.026																																							
	06/28/2021		81.21	81.23	0.02	1,713.00	26,409	5.00	0.013																																							
	07/27/2021		81.19	81.23	0.04	2,341.00	27,056	5.00	0.026																																							
	08/25/2021		81.55	81.86	0.31	1,475.00	27,752	5.00	0.202																																							
	10/28/2021		81.35	81.40	0.05	-	28,779	5.00	0.033																																							
	11/30/2021			Not Measured		1,326.00	29,571	5.00	-																																							
	12/20/2021		84.76	85.60	0.84	-	30,051	5.00	0.549																																							
		2	2021 Average F	SH Thickness	0.17	2021 Tot	al Recovered	53.0	0.980																																							

<--sum PSH rec

To date total

Notes:

- 1. SVE: Soil Vapor Extraction
- 2. PSH: Phase Separated Hydrocarbons
- 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.
- ** Corrected groundwater elevations were extrapolated using a PSH specific gravity of 0.85, if

PSH was gauged in the monitoring well.

Table 4b MW-5 Gauging and BTEX¹ Impacted Groundwater Recovery Summary

DCP Plant to Lea Station 6-Inch #2 Lea County, New Mexico Plains Pipeline, L.P. SRS #2009-039 Terracon Project #: AR217008 NMOCD² REFERENCE #: 1RP-2136

All measurements are in feet above mean sea level

Monitoring Well	Date	Top of Casing (TOC) ³ Elevation	Depth to Water	Corrected Groundwater Elevation	Groundwater Recovered (gallons)
	01/10/2020		-	-	3.0
	02/07/2020		-	-	3.0
	02/20/2020		-	-	5.0
	03/02/2020		-	-	3.5
	03/16/2020		-	-	5.0
	03/30/2020		-	-	5.0
	04/16/2020		-	-	5.0
	04/30/2020		-	-	5.0
	05/28/2020		-	-	5.0
	06/18/2020		-	-	5.0
	07/29/2020		-	-	5.0
	08/20/2020		-	-	5.0
MW-5	09/28/2020	3,539.55	-	-	5.0
IVIVV-3	10/29/2020	3,333.33	-	-	5.0
	12/30/2020		-	-	5.0
	01/28/2021		-	-	5.0
	02/26/2021		-	-	5.0
	03/30/2021		-	-	5.0
	04/27/2021		-	-	5.0
	05/28/2021		-	-	5.0
	06/28/2021		-	-	5.0
	07/27/2021		-	-	5.0
	08/25/2021		-	-	5.0
	10/28/2021		-	-	5.0
	11/30/2021		-	-	5.0
	12/20/2021		-		5.0
			2Q	21 GW Recovered	55.0

Notes:

BTEX: Benzene, Toluene, Ethylbenzene, Total Xylene
 NMOCD: New Mexico Oil Conservation Division

3. TOC: Top Of Casing 4. GW: Groundwater

Table 5 Historical Concentrations of PAH¹ in Groundwater Summary

DCP Plant to Lea Station 6-Inch #2 Lea County, New Mexico Plains Pipeline, L.P. SRS #: 2009-039 Terracon Project #: AR217008 NMOCD2 Reference#: 1RP-2136

All concentrations are in milligrams per liter (mg/L)³

							All concer	ntrations are i		per liter (mg/ V846-8270C								
Monitoring Well	Date Sampled	Naphthalene	Benzo(a)pyrene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Fluoranthene	Fluorene	deno(1,2,3-c,d)Pyrene	Phenanthrene	Pyrene
NMWQCC Griter		0.03	0.0007					_ ш	_	ш	NE ⁵	Δ				<u> </u>		
MW-1	12/10/2009	NA	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	NA	<0.100	<0.100	<0.100	<0.100	<0.100
	12/16/2020								Well Not	Sampled Due	To PSH							
	7/1/2009	NA	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
MW-2	12/16/2020	<0.000104	<0.0000	<0.000107	<0.000899	<0.000925	<0.000144	<0.000759	<0.000121	<0.000124	<0.000167	<0.000812	NA	<0.0003	<0.000108	<0.000975	<0.000908	<0.0003
	7/1/2009	NA	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	NA	< 0.005	<0.005	< 0.005	< 0.005	< 0.005
MW-3	12/16/2011	NA	<0.005	<0.005	< 0.005	<0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	< 0.005	NA	<0.005	< 0.005	< 0.005	< 0.005	<0.005
	11/9/2012 12/16/2020	<0.00031 <0.000106	<0.00019 <0.000623	<0.00035 <0.000109	<0.00033 <0.0000920	<0.00016 <0.000946	<0.00024 <0.000147	<0.00036 <0.0000777	<0.00028 <0.000124	<0.00049 <0.000127	<0.00022 <0.000171	<0.00019 <0.000830	NA NA	<0.00024 <0.000172	<0.00030 <0.000110	<0.00032 <0.0000998	<0.00027 <0.0000929	<0.00027 <0.000142
	12/16/2020	<0.000106	<0.0000623	<0.000109	<0.0000920	<0.0000946	<0.000147	<0.0000777	<0.000124	<0.000127	<0.000171	<0.0000830	INA	<0.000172	<0.000110	<0.0000998	<0.0000929	<0.000142
	7/1/2009	NA	<0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	NA	<0.005	< 0.005	< 0.005	< 0.005	< 0.005
MW-4	12/16/2011	NA	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	NA	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
	11/9/2012	<0.00032	<0.00020	<0.00037	<0.00034	<0.00016	<0.00025	<0.00038	<0.00029	<0.00051	<0.00023	<0.00020	NA	<0.00025	<0.00031	<0.00034	<0.00028	<0.00028
	12/16/2020	<0.000108	<0.0000637	<0.000112	<0.0000939	<0.0000966	<0.000150	<0.0000793	<0.000126	<0.000130	<0.000174	<0.0000848	NA	<0.000175	<0.000112	<0.000102	<0.0000949	<0.000145
	3/25/2011	NA	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	< 0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005
	11/9/2012	<0.00032	<0.00020	<0.00037	<0.00034	<0.00016	<0.00025	<0.00038	<0.00029	<0.00051	<0.00023	<0.00020	NA	<0.00025	<0.00031	<0.00034	<0.00028	<0.00028
MW-5	12/23/2013	0.000535	< 0.000049	< 0.000049	< 0.000049	< 0.000049	< 0.000049	< 0.000049	< 0.000049	< 0.000049	< 0.000049	< 0.000049	NA	< 0.000049	< 0.000049	< 0.000049	< 0.000049	< 0.000049
	5/8/2014	NA	< 0.000050	< 0.000050	< 0.000050	< 0.000050	< 0.000050	< 0.000050	< 0.000050	< 0.000050	< 0.000050	< 0.000050	NA	< 0.000050	< 0.000050	< 0.000050	< 0.000050	< 0.000050
	12/16/2020	< 0.0000986	< 0.0000579	<0.000101	< 0.0000854	< 0.0000879	< 0.000136	< 0.0000721	< 0.000115	<0.000118	< 0.000158	< 0.0000771	NA	< 0.000159	< 0.000102	< 0.0000926	< 0.0000863	< 0.000132
	,					•		,	•		•	,				•		
MW-6	5/8/2014	NA	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	NA	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	12/16/2020	<0.000119	<0.0000698	<0.000122	<0.000103	<0.000106	<0.000164	<0.0000869	<0.000138	<0.000142	<0.000191	<0.0000929	NA	<0.000192	<0.000123	<0.000112	<0.000104	<0.000159
	5/8/2014	NA	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	NA	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
MW-7	12/16/2020	<0.000110	<0.000050	<0.000113	<0.000050	<0.0000978	<0.000152	<0.0000803	<0.000128	<0.000131	<0.000176	<0.000050	NA	<0.000177	<0.000114	<0.000103	<0.000050	<0.000147
	.2/10/2020	.5.000.10	~J.0000044	~0.000113	~0.0000331	~0.0000376	~0.000 IJZ	~0.0000000	~0.0001Z0	<0.000131	~0.000176	~0.0000000		<0.000177	~0.000114	~0.000103	~0.0000300	NO.000147
MW-8	12/16/2020	<0.0000646	<0.000110	<0.000113	< 0.0000954	<0.0000981	<0.000152	<0.0000805	<0.000128	<0.000132	<0.000177	<0.0000861	NA	<0.000178	<0.000114	<0.000103	<0.0000963	<0.000148
	•	•			•	•			•		•			•	•	•		

Notes:

- 1. PAH: Polycyclic Aromatic Hydrocarbons
- 2. NMOCD: New Mexico Oil Conservation Division
- 3. mg/L milligrams per liter
- 4. NMWQCC Groundwater Criteria: Recommended Remediation Action Level Criteria
- 5. NE: Not Established
- J: The target analyte was positively identified below the quantitation limit and above the detection limit

Bold text indicates a concentration above the laboratory detection limit.

Highlighted text indicates a concentration exceeding the NMOCD RRAL Criteria

APPENDIX C

Copies of Certified Laboratory Reports:

eurofins Environment Testing

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Certificate of Analysis Summary 691644

Terracon-Lubbock, Lubbock, TX

Project Name: DCP #2

Project Id:

Project Location:

Contact:

AR217008

Date Received in Lab: Fri 03.12.2021 16:19

Brett Dennis

Report Date: 03.22.2021 15:00

Project Manager: Jessica Kramer

	Lab Id:	691644-	001	691644-	002	691644-0	003	691644-0	004	691644-0	005	691644-0	006
Analysis Requested	Field Id:	MW-2	2	MW-	3	MW-4		MW-5		MW-6		MW-7	
Analysis Requesica	Depth:												
	Matrix:	WATE	ER	WATE	ER	WATE	R	WATE	R	WATE	R	WATE	R
	Sampled:	d: 03.11.2021 11:24		03.12.2021	11:43	03.12.2021	12:27	03.12.2021	12:58	03.11.2021	13:57	03.11.2021	13:14
BTEX by EPA 8021B	Extracted:	03.19.2021	16:40	03.19.2021	16:40	03.19.2021	16:40	03.19.2021 16:40		03.19.2021	16:40	03.19.2021 16:40	
SUB: T104704400-20-21	Analyzed:	03.21.2021 16:37		03.21.2021 16:58		03.21.2021 17:18		03.21.2021 17:39		03.21.2021 18:00		03.21.2021 18:20	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		< 0.00198	0.00198	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00198	0.00198
Toluene		< 0.00198	0.00198	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00198	0.00198
Ethylbenzene		< 0.00198	0.00198	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00198	0.00198
m,p-Xylenes		< 0.00397	0.00397	< 0.00398	0.00398	< 0.00399	0.00399	< 0.00398	0.00398	< 0.00399	0.00399	< 0.00396	0.00396
o-Xylene		< 0.00198	0.00198	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00198	0.00198
Total Xylenes		< 0.00198	0.00198	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00198	0.00198
Total BTEX		< 0.00198	0.00198	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00198	0.00198

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Weamer

eurofins Environment Testing

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Certificate of Analysis Summary 691644

Terracon-Lubbock, Lubbock, TX

Project Name: DCP #2

Project Id:

Project Location:

Contact:

AR217008

Date Received in Lab: Fri 03.12.2021 16:19

Brett Dennis

Report Date: 03.22.2021 15:00

Project Manager: Jessica Kramer

	Lab Id:	691644-007			
Analysis Requested	Field Id:	MW-8			
Thulysis Requesicu	Depth:				
	Matrix:	WATER			
	Sampled:	03.11.2021 12:17			
BTEX by EPA 8021B	Extracted:	03.19.2021 16:40			
SUB: T104704400-20-21	Analyzed:	03.21.2021 18:41			
	Units/RL:	mg/kg RL			
Benzene		<0.00199 0.00199			
Toluene		< 0.00199 0.00199			
Ethylbenzene		<0.00199 0.00199			
m,p-Xylenes		< 0.00398 0.00398			
o-Xylene	< 0.00199 0.00199				
Total Xylenes		< 0.00199 0.00199			
Total BTEX		<0.00199 0.00199			

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Wramer



Analytical Report 691644

for

Terracon-Lubbock

Project Manager: Brett Dennis

DCP #2 AR217008 03.22.2021

Collected By: Client



6701 Aberdeen, Suite 9 Lubbock, TX 79424

Xenco-Houston (EPA Lab Code: TX00122): Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054) Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

> Xenco-Dallas (EPA Lab Code: TX01468): Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18) Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24) Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21) Xenco-Carlsbad (LELAP): Louisiana (05092) Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8) Xenco-Tampa: Florida (E87429), North Carolina (483)



03.22.2021

Project Manager: Brett Dennis

Terracon-Lubbock 5827 50th st, Suite 1 Lubbock, TX 79424

Reference: Eurofins Xenco, LLC Report No(s): 691644

DCP #2

Project Address:

Brett Dennis:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 691644. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 691644 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Sample Cross Reference 691644

Terracon-Lubbock, Lubbock, TX

DCP #2

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-2	W	03.11.2021 11:24		691644-001
MW-3	W	03.12.2021 11:43		691644-002
MW-4	W	03.12.2021 12:27		691644-003
MW-5	W	03.12.2021 12:58		691644-004
MW-6	W	03.11.2021 13:57		691644-005
MW-7	W	03.11.2021 13:14		691644-006
MW-8	W	03.11.2021 12:17		691644-007

Xenco

Environment Testing

CASE NARRATIVE

Client Name: Terracon-Lubbock

Project Name: DCP #2

Project ID: Report Date: 03.22.2021 AR217008 Work Order Number(s): 691644 Date Received: 03.12.2021

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Terracon-Lubbock, Lubbock, TX

DCP #2

Sample Id: MW-2 Matrix: Water Date Received:03.12.2021 16:19

Lab Sample Id: 691644-001 Date Collected: 03.11.2021 11:24

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: KTL

Analyst: KTL Date Prep: 03.19.2021 16:40 % Moisture:

Analyst. RTE Date Prep: 03.19.2021 10:40 Basis: Wet Weight Seq Number: 3154335 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00198	0.00198		mg/kg	03.21.2021 16:37	U	1
Toluene	108-88-3	< 0.00198	0.00198		mg/kg	03.21.2021 16:37	U	1
Ethylbenzene	100-41-4	< 0.00198	0.00198		mg/kg	03.21.2021 16:37	U	1
m,p-Xylenes	179601-23-1	< 0.00397	0.00397		mg/kg	03.21.2021 16:37	U	1
o-Xylene	95-47-6	< 0.00198	0.00198		mg/kg	03.21.2021 16:37	U	1
Total Xylenes	1330-20-7	< 0.00198	0.00198		mg/kg	03.21.2021 16:37	U	1
Total BTEX		< 0.00198	0.00198		mg/kg	03.21.2021 16:37	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	99	%	70-130	03.21.2021 16:37		
4-Bromofluorobenzene		460-00-4	104	%	70-130	03.21.2021 16:37		

Terracon-Lubbock, Lubbock, TX

DCP #2

Sample Id: MW-3 Matrix: Water Date Received:03.12.2021 16:19

Lab Sample Id: 691644-002 Date Collected: 03.12.2021 11:43

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: KTL

Analyst: KTL Date Prep: 03.19.2021 16:40 % Moisture:

Analyst. RTE Date Prep: 03.19.2021 16:40 Basis: Wet Weight Seq Number: 3154335 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	03.21.2021 16:58	U	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	03.21.2021 16:58	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	03.21.2021 16:58	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	03.21.2021 16:58	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	03.21.2021 16:58	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	03.21.2021 16:58	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	03.21.2021 16:58	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	100	%	70-130	03.21.2021 16:58		
4-Bromofluorobenzene		460-00-4	106	%	70-130	03.21.2021 16:58		



Terracon-Lubbock, Lubbock, TX

DCP #2

Sample Id: MW-4 Matrix: Water Date Received:03.12.2021 16:19

Lab Sample Id: 691644-003 Date Collected: 03.12.2021 12:27

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: KTL

Analyst: KTL Date Prep: 03.19.2021 16:40 % Moisture:

Analyst. RTE Date Prep: 03.19.2021 16:40 Basis: Wet Weight Seq Number: 3154335 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	03.21.2021 17:18	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	03.21.2021 17:18	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	03.21.2021 17:18	U	1
m,p-Xylenes	179601-23-1	< 0.00399	0.00399		mg/kg	03.21.2021 17:18	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	03.21.2021 17:18	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	03.21.2021 17:18	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	03.21.2021 17:18	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	102	%	70-130	03.21.2021 17:18		
1,4-Difluorobenzene		540-36-3	98	%	70-130	03.21.2021 17:18		

Terracon-Lubbock, Lubbock, TX

DCP #2

Sample Id: MW-5 Matrix: Water Date Received:03.12.2021 16:19

Lab Sample Id: 691644-004 Date Collected: 03.12.2021 12:58

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: KTL

Analyst: KTL Date Prep: 03.19.2021 16:40 % Moisture:

Analyst. RTE Date Prep: 03.19.2021 10:40 Basis: Wet Weight Seq Number: 3154335 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	03.21.2021 17:39	U	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	03.21.2021 17:39	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	03.21.2021 17:39	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	03.21.2021 17:39	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	03.21.2021 17:39	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	03.21.2021 17:39	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	03.21.2021 17:39	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	97	%	70-130	03.21.2021 17:39		
4-Bromofluorobenzene		460-00-4	110	%	70-130	03.21.2021 17:39		

Terracon-Lubbock, Lubbock, TX

DCP #2

03.19.2021 16:40

Sample Id: **MW-6** Matrix: Water

Lab Sample Id: 691644-005 Date Collected: 03.11.2021 13:57

Analytical Method: BTEX by EPA 8021B

Tech: KTL

KTL Analyst:

Seq Number: 3154335

1,4-Difluorobenzene

Date Received:03.12.2021 16:19

Prep Method: SW5035A

% Moisture:

70-130

Basis: Wet Weight

SUB: T104704400-20-21

03.21.2021 18:00

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	03.21.2021 18:00	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	03.21.2021 18:00	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	03.21.2021 18:00	U	1
m,p-Xylenes	179601-23-1	< 0.00399	0.00399		mg/kg	03.21.2021 18:00	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	03.21.2021 18:00	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	03.21.2021 18:00	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	03.21.2021 18:00	U	1
Surrogate	(Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	4	60-00-4	106	%	70-130	03.21.2021 18:00		

101

540-36-3

Date Prep:

Date Received:03.12.2021 16:19

Certificate of Analytical Results 691644

Terracon-Lubbock, Lubbock, TX

DCP #2

Sample Id: MW-7 Matrix: Water

Date Collected: 03.11.2021 13:14

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: KTL

Lab Sample Id: 691644-006

Analyst: KTL Date Prep: 03.19.2021 16:40 % Moisture:

Analyst. RTE Date Prep: 03.19.2021 10:40

Basis: Wet Weight SUB: T104704400-20-21

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00198	0.00198		mg/kg	03.21.2021 18:20	U	1
Toluene	108-88-3	< 0.00198	0.00198		mg/kg	03.21.2021 18:20	U	1
Ethylbenzene	100-41-4	< 0.00198	0.00198		mg/kg	03.21.2021 18:20	U	1
m,p-Xylenes	179601-23-1	< 0.00396	0.00396		mg/kg	03.21.2021 18:20	U	1
o-Xylene	95-47-6	< 0.00198	0.00198		mg/kg	03.21.2021 18:20	U	1
Total Xylenes	1330-20-7	< 0.00198	0.00198		mg/kg	03.21.2021 18:20	U	1
Total BTEX		< 0.00198	0.00198		mg/kg	03.21.2021 18:20	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	108	%	70-130	03.21.2021 18:20		
1,4-Difluorobenzene		540-36-3	98	%	70-130	03.21.2021 18:20		

Terracon-Lubbock, Lubbock, TX

DCP #2

Sample Id: MW-8 Matrix: Water Date Received:03.12.2021 16:19

Lab Sample Id: 691644-007 Date Collected: 03.11.2021 12:17

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: KTL

1,4-Difluorobenzene

Analyst: KTL Date Prep: 03.19.2021 16:40 % Moisture:

540-36-3

Analyst. RTE Date Prep: 03.19.2021 16:40 Basis: Wet Weight Seq Number: 3154335 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	03.21.2021 18:41	U	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	03.21.2021 18:41	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	03.21.2021 18:41	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	03.21.2021 18:41	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	03.21.2021 18:41	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	03.21.2021 18:41	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	03.21.2021 18:41	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	108	%	70-130	03.21.2021 18:41		

98

%

70-130

03.21.2021 18:41



Flagging Criteria

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the quantitation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- **H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- **K** Sample analyzed outside of recommended hold time.
- **JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- ** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit SDL Sample Detection Limit LOD Limit of Detection

PQL Practical Quantitation Limit MQL Method Quantitation Limit LOQ Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample BLK Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample BKSD/LCSD Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate MS Matrix Spike MSD: Matrix Spike Duplicate

- + NELAC certification not offered for this compound.
- * (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 691644

Terracon-Lubbock

DCP #2

Analytical Method: BTEX by EPA 8021B SW5035A Prep Method: Seq Number: 3154335 Matrix: Solid Date Prep: 03.19.2021 LCS Sample Id: 7723715-1-BKS MB Sample Id: 7723715-1-BLK LCSD Sample Id: 7723715-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	< 0.00200	0.100	0.0986	99	0.0945	95	70-130	4	35	mg/kg	03.20.2021 14:19	
Toluene	< 0.00200	0.100	0.0974	97	0.0952	95	70-130	2	35	mg/kg	03.20.2021 14:19	
Ethylbenzene	< 0.00200	0.100	0.0967	97	0.0933	93	70-130	4	35	mg/kg	03.20.2021 14:19	
m,p-Xylenes	< 0.00400	0.200	0.191	96	0.187	94	70-130	2	35	mg/kg	03.20.2021 14:19	
o-Xylene	< 0.00200	0.100	0.0956	96	0.0931	93	70-130	3	35	mg/kg	03.20.2021 14:19	
Surrogate	MB %Rec	MB Flag	LC %F		LCS Flag	LCSI %Re			imits	Units	Analysis Date	
1,4-Difluorobenzene	87		10)3		103		70	-130	%	03.20.2021 14:19	
4-Bromofluorobenzene	111		10)4		103		70	-130	%	03.20.2021 14:19	

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A Seq Number: 3154335 Matrix: Soil Date Prep: 03.19.2021 MS Sample Id: 691744-006 S MSD Sample Id: 691744-006 SD Parent Sample Id: 691744-006

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	< 0.00199	0.0996	0.0463	46	0.122	122	70-130	90	35	mg/kg	03.20.2021 15:00	XF
Toluene	< 0.00199	0.0996	0.0516	52	0.122	122	70-130	81	35	mg/kg	03.20.2021 15:00	XF
Ethylbenzene	< 0.00199	0.0996	0.0532	53	0.122	122	70-130	79	35	mg/kg	03.20.2021 15:00	XF
m,p-Xylenes	< 0.00398	0.199	0.105	53	0.242	121	70-130	79	35	mg/kg	03.20.2021 15:00	XF
o-Xylene	< 0.00199	0.0996	0.0512	51	0.115	115	70-130	77	35	mg/kg	03.20.2021 15:00	XF

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		102		70-130	%	03.20.2021 15:00
4-Bromofluorobenzene	108		105		70-130	%	03.20.2021 15:00

hh91b9

				Address:	5701 Aberdeen Lubbock, Texas 79424	REQUESTED	ONE DOLLER WHEN RECEVED 170)
Office Location	laul	Lubbeck		Phone:			Page 1. of 1
Project Manager		Brett Dennis		SRS #;	2009-039	(17	
Sampler's Name	Bre	Brett Dennis		Jain[Jiet 5			
Project Number) 00051594		Project Name	DCP #2	No. Type of Containers A A	\top	
xinteN app	Time	Comp	Identifying Marks of Sampleis)	of Sample(s)	drayed hutel drayed hot V lin 04	яэ) хэтн	Lab Sample ID
1 3/41/0001	22.24	×	MW-2		т	×	
	11843	×	MW-3		m	×	
1_	12027	×	MW-4		m	*	
1	12:58	×	MW 5		(0)	×	
	135/	×	9-MM		60	*	
	13-14	×	Z-WM-7		m	×	
	12:17	×	MW-8		m	×	
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TURNAROUND TIME	E		□ 48-Hour	Z4-Hour Austr	lic /	NO_	Bill directly to Plains Pipeline
and neighboring Rests of production	13		3/2/2/	16:19 Refered by Syracular	11/1	7/1/11 16:14 e-mail re	esul
lein graffined by joight at a least							brett.denns@terracon.con.
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V region (VSA - do missial	98	AZC - anthologous III Copyright of a visit of a second		Achor Town Tolday	79424 = 806.300-0140	

IOS Number: 79426

Date/Time: 03.12.2021 Randall Lee Please send report to: Jessica Kramer Created by:

Lab# From: Lubbock Address: 6701 Aberdeen, Suite 9 Lubbock, TX 79424 Delivery Priority:

Lab# To: Midland Air Bill No.: E-Mail: jessica.kramer@eurofinset.com

Sample Id	Matrix Client Sam	ole Id Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
691644-001	S MW-2	03.11.2021 11:24	SW8021B	BTEX by EPA 8021B	03.18.2021	03.25.2021	JKR	BR4FBZ BZ BZME EBZ	
691644-002	S MW-3	03.12.2021 11:43	SW8021B	BTEX by EPA 8021B	03.18.2021	03.26.2021	JKR	BR4FBZ BZ BZME EBZ	
691644-003	S MW-4	03.12.2021 12:27	SW8021B	BTEX by EPA 8021B	03.18.2021	03.26.2021	JKR	BR4FBZ BZ BZME EBZ	
691644-004	S MW-5	03.12.2021 12:58	SW8021B	BTEX by EPA 8021B	03.18.2021	03.26.2021	JKR	BR4FBZ BZ BZME EBZ	
691644-005	S MW-6	03.11.2021 13:57	SW8021B	BTEX by EPA 8021B	03.18.2021	03.25.2021	JKR	BR4FBZ BZ BZME EBZ	
691644-006	S MW-7	03.11.2021 13:14	SW8021B	BTEX by EPA 8021B	03.18.2021	03.25.2021	JKR	BR4FBZ BZ BZME EBZ	
691644-007	S MW-8	03.11.2021 12:17	SW8021B	BTEX by EPA 8021B	03.18.2021	03.25.2021	JKR	BR4FBZ BZ BZME EBZ	

Inter Office Shipment or Sample Comments:

Relinquished By:

Teddy Randall Lee Randall Lee

Date Relinquished: 03.12.2021

Received By:

Jessica Kramer

Date Received:

03.15.2021

Cooler Temperature: 2.6

Eurofins Xenco, LLC

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Inter Office Report- Sample Receipt Checklist



Sent To: Midland IOS #: 79426

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Date: 03.15.2021

Temperature Measuring device used:

Sent By:	Randall Lee	Date Sent:	03.12.2021	04.41 PM
Received By:	Jessica Kramer	Date Received:	03.15.2021	10.15 AM

Received By: Jessica Kramer	Date Received: 03.15.2021	10.15 AM	
	Sample Receipt Check	dist	Comments
#1 *Temperature of cooler(s)?		2.6	
#2 *Shipping container in good co	ndition?	Yes	
#3 *Samples received with approp	riate temperature?	Yes	
#4 *Custody Seals intact on shipp	ing container/ cooler?	Yes	
#5 *Custody Seals Signed and da	ted for Containers/coolers	Yes	
#6 *IOS present?		Yes	
#7 Any missing/extra samples?		No	
#8 IOS agrees with sample label(s	s)/matrix?	Yes	
#9 Sample matrix/ properties agre	e with IOS?	Yes	
#10 Samples in proper container/	bottle?	Yes	
#11 Samples properly preserved?		Yes	
#12 Sample container(s) intact?		Yes	
#13 Sufficient sample amount for	indicated test(s)?	Yes	
#14 All samples received within he	old time?	Yes	
* Must be completed for after-hou	rs delivery of samples prior to pla	cing in the refrigerator	
NonConformance:			
Corrective Action Taken:			
	Nonconformance Docu	mentation	
Contact:	Contacted by :	Date	·:
	1		

Released to Imaging: 8/3/2022 2:35:28 PM

Checklist reviewed by:



ANALYTICAL REPORT

February 02, 2021





³Ss

⁴Cn

⁵Sr

°Qc

8 Al



Plains All American Pipeline - Terracon

Sample Delivery Group: L1311578

Samples Received: 01/29/2021

Project Number: AR217008

Description: DCP #2

Report To: Brett Dennis

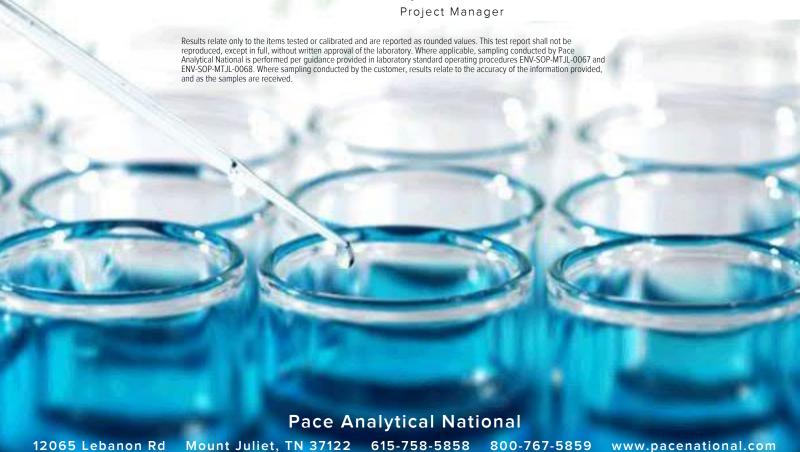
5847 50th St.

Suite 1

Lubbock, TX 79424

Entire Report Reviewed By:

Ayisha Raza



Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	4
Sr: Sample Results	5
EFF #2 L1311578-01	5
Qc: Quality Control Summary	6
Volatile Organic Compounds (MS) by Method M18-Mod	6
GI: Glossary of Terms	7
Al: Accreditations & Locations	8
Sc: Sample Chain of Custody	9





















SAMPLE SUMMARY



EFF #2 L1311578-01 Air			Collected by Aaron Adams	Collected date/time 01/28/21 12:35	Received da 01/29/21 09:	
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Volatile Organic Compounds (MS) by Method M18-Mod	WG1613428	2000	01/30/21 01:02	01/30/21 01:02	DAH	Mt. Juliet, TN



















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.

















SAMPLE RESULTS - 01

ONE LAB. NATRAGE 55 of 232

Collected date/time: 01/28/21 12:35

Volatile Organic Compounds (MS) by Method M18-Mod

	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	<u>Batch</u>
Analyte			ppbv	ug/m3	ppbv	ug/m3			
Benzene	71-43-2	78.10	400	1280	24400	77900		2000	WG1613428
Toluene	108-88-3	92.10	1000	3770	186000	701000		2000	WG1613428
Ethylbenzene	100-41-4	106	400	1730	31300	136000		2000	WG1613428
m&p-Xylene	1330-20-7	106	800	3470	71900	312000		2000	WG1613428
o-Xylene	95-47-6	106	400	1730	19000	82400		2000	WG1613428
Methyl tert-butyl ether	1634-04-4	88.10	400	1440	ND	ND		2000	WG1613428
TPH (GC/MS) Low Fraction	8006-61-9	101	400000	1650000	6330000	26100000		2000	WG1613428
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		89.3				WG1613428



















Volatile Organic Compounds (MS) by Method M18-Mod

QUALITY CONTROL SUMMARY

ONE LAB. NAT Page 56 of 232

L1311578-01

Method Blank (MB)

(MB) R3617583-3 01/29/21	I 10:17			
	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
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
TPH (GC/MS) Low Fraction	U		39.7	200
(S) 1.4-Bromofluorobenzene	84.6			60.0-140

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

(LCS) R3617583-1 01/29/	21 08:54 • (LCSL)) R361/583-2	2 01/29/21 09:3	6							
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	
Analyte	ppbv	ppbv	ppbv	%	%	%			%	%	
MTBE	3.75	3.83	3.82	102	102	70.0-130			0.261	25	
Benzene	3.75	4.16	4.16	111	111	70.0-130			0.000	25	
Toluene	3.75	4.09	4.12	109	110	70.0-130			0.731	25	
Ethylbenzene	3.75	4.74	4.67	126	125	70.0-130			1.49	25	
m&p-Xylene	7.50	9.36	9.33	125	124	70.0-130			0.321	25	
o-Xylene	3.75	4.62	4.59	123	122	70.0-130			0.651	25	
TPH (GC/MS) Low Fraction	203	252	251	124	124	70.0-130			0.398	25	
(S) 1.4-Bromofluorobenzene	۵			87.6	86.9	60 0-140					





















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 resu 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.



Ср



















Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

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Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky 16	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	Al30792	Tennessee 1 4	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

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Alabama	40160
ANSI National Accreditation Board	L2239

Pace Analytical National 660 Bercut Dr. Ste. C Sacramento, CA, 95811

California	2961	Oregon	CA300002
Minnesota	006-999-465	Washington	C926
North Dakota	D_21/I		

Pace Analytical National 6000 South Eastern Avenue Ste 9A Las Vegas, NV, 89119

Nevada NV009412021-1

Pace Analytical National 1606 E. Brazos Street Suite D Victoria, TX, 77901

Texas T104704328-20-18



















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

CHAIN OF CUSTODY RECORD

Address: 12065 Lebanon Rd Mt. Juliet, TN 37122 Office Location Lubbock Phone: (800) 767-5859 Contact: SRS #: 2009-039 Sampler's Name Aaron Adams Project Number AR217008 Project Name Project Name DCP #2 Identifying Marks of Sample(s) A 1/28/2021 12:35 A 1/28/2021 12:35 A X EFF #2 Address: 12065 Lebanon Rd Mt. Juliet, TN 37122 REQUESTED ANALYSIS ANALYS ANALY	LAB USE ONLY DUE DATE:						
Project Number AR217008 Project Name AR217008 DCP #2 Identifying Marks of Sample(s) AR5 Method AR6 Method AR7 Method	TEMP OF COOLER WHEN RECEIVED (°C) Page 1 of 1						
Project Number AR217008 DCP #2 No. Type of Containers Bo Wethy Wethy Date Time Date Time Date Time Date Double Identifying Marks of Sample(s) Double Identifying Marks of Sample(s)							
Date Time Grap Identifying Marks of Sample(s) Grap Identifying Marks of Sample(s)							
	Lab Sample ID						
	Lab Sample ID L1311578-0						
NFE NFE							
TURNAROUND TIME							
1-23-2021 17:00 Following 17:00 Pollowing 17:00 Poll	rectly to Plains Pipeline OM						
Date: Time: Received by (Signature) Date: Time: Received by (Signature) Date: Time: 2. ALGROVES@PAALP.CI 3. BRETT.DENNIS@TERR Signature	RACON.COM						
Oate: Time: Received by (Signature) Date: Time: 4. ERIN.LOYD@TERRACON.COM 5. AARON.ADAMS@TERRACON.COM							
strick WW-Wastewater WWater S-Soil L-Liquid A Air Big CCharcoal tube SL-Soidge ntainer VOA - 40 ml ylal A/G - Ambeir Glass 11. 250 ml = Glass wide mouth P/O - Plantic or other							
Lubbock Office = 5827 50th Street, Suite 1 = Lubbock, Texas 79424 = 806-300-0140							
Responsive Resourceful Reliable	41 7617						

Sample Receipt Checklist

COC Seal Present/Intact: Y N If Applicable
COC Signed/Accurate: Y N VOA Zero Headspace: Y N
Bottles arrive intact: Y N Pres.Correct/Check: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
Released to Imaging: 8/3/2022/2:35:28 PM



ANALYTICAL REPORT

March 02, 2021



















Plains All American Pipeline - Terracon

Sample Delivery Group: L1321008 Samples Received: 02/27/2021 Project Number: AR217008 DCP #2 Description:

Report To: **Brett Dennis**

5847 50th St.

Suite 1

Lubbock, TX 79424

Entire Report Reviewed By:

Ayisha Raza

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 Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

12065 Lebanon Rd

Cp: Cover Page	4
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Cn: Case Narrative	4
Sr: Sample Results	5
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Qc: Quality Control Summary	6
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GI: Glossary of Terms	8
Al: Accreditations & Locations	9
Sc: Sample Chain of Custody	10



















SAMPLE SUMMARY



EFF-1 (02262021) L1321008-01 Air			Collected by Brett Dennis	Collected date/time 02/26/2112:35	Received date 02/27/21 09:15	
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Volatile Organic Compounds (MS) by Method M18-Mod	WG1627104	800	02/28/21 23:06	02/28/21 23:06	CAW	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method M18-Mod	WG1627473	10000	03/01/21 17:11	03/01/21 17:11	FKG	Mt. Juliet, TN



















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.

















Ayisha Raza

SAMPLE RESULTS - 01

ONE LAB. NATRAGE 64 of 232

Collected date/time: 02/26/21 12:35

Volatile Organic Compounds (MS) by Method M18-Mod

	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ug/m3	ppbv	ug/m3			
Benzene	71-43-2	78.10	160	511	14200	45400		800	WG1627104
Toluene	108-88-3	92.10	5000	18800	124000	467000		10000	WG1627473
Ethylbenzene	100-41-4	106	160	694	23200	101000		800	WG1627104
m&p-Xylene	1330-20-7	106	320	1390	56300	244000		800	WG1627104
o-Xylene	95-47-6	106	160	694	15900	68900		800	WG1627104
TPH (GC/MS) Low Fraction	8006-61-9	101	160000	661000	4200000	17300000		800	WG1627104
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		99.3				WG1627104
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		97.2				WG1627473



















QUALITY CONTROL SUMMARY

ONE LAB. NATRAGE 65 of 232

L1321008-01

Volatile Organic Compounds (MS) by Method M18-Mod

Method Blank (MB)

(MB) R3625955-3 02/28/2	21 10:37			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ppbv		ppbv	ppbv
Benzene	U		0.0715	0.200
Ethylbenzene	U		0.0835	0.200
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
TPH (GC/MS) Low Fraction	U		39.7	200
(S) 1,4-Bromofluorobenzene	94.2			60.0-140

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

	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	3.66	3.68	97.6	98.1	70.0-130			0.545	25
thylbenzene	3.75	3.70	3.79	98.7	101	70.0-130			2.40	25
n&p-Xylene	7.50	7.68	7.92	102	106	70.0-130			3.08	25
-Xylene	3.75	3.80	3.87	101	103	70.0-130			1.83	25
PH (GC/MS) Low Fraction	203	214	219	105	108	70.0-130			2.31	25
(S) 1,4-Bromofluorobenzene				100	100	60.0-140				



















QUALITY CONTROL SUMMARY

ONE LAB. NATRAGE 66 of 232

Volatile Organic Compounds (MS) by Method M18-Mod

L1321008-01

Method Blank (MB)

(MB) R3626356-3 03/01/2	1 09:40				
	MB Result	MB Qualifier	MB MDL	MB RDL	
Analyte	ppbv		ppbv	ppbv	
Toluene	U		0.0870	0.500	
(S) 1,4-Bromofluorobenzene	92.1			60.0-140	



³Ss

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

(LCS) R3626356-1 03/01/2	21 08:15 • (LCSL	D) R3626356-2	2 03/01/21 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	%	%	%			%	%
Toluene	3.75	3.66	3.55	97.6	94.7	70.0-130			3.05	25
(S) 1.4-Rromofluorohenzene				96.3	96.4	60 0-140				













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

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Appreviations an	a Definitions
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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.























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

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California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
lowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky 16	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	Al30792	Tennessee 1 4	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

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ANSI National Accreditation Board	L2239

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Minnesota	006-999-465	Washingto	n	C926	
North Dakota	R-214				

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Nevada NV009412021-1

Pace Analytical National 1606 E. Brazos Street Suite D Victoria, TX, 77901

Texas T104704328-20-18



















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

H030

	Laboratory:	Pace		NALYSIS		LAB USE ONLY	
lerracon		Address: 12065 Lebanon Rd		EQUESTE	D	DUE DATE:	
HEITOLL		Mt. Juliet, TN 37122				TEMP OF COOLER	
						WHEN RECEIVED (°C)	
ffice Location Lubbock	Phone:	(800) 767-5859					
Root Names		Contact:				Page <u>1</u> of <u>1</u>	
roject Manager Brett Dennis ampler's Name Brett Dennis	SRS #:	2009-039		=			
implet's Name Drett Definis	Sampler's Sig	gnature		802			
roject Number Project Name		No. Type of	Cantalanes	BTEX (EPA Method 8021) TPH 8015 extended			
AR217008	DCP #2			Method			
	DCF #2	Start Depth End Depth		PA P			
Date Time g g g Ider	tifying Marks of Sample(s)	Start Depth End Depth tedlar b		X (EPA			
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3006/9/20 2/26	12021 16:10						
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quished by (Signature) Date:	Time: Received by (Signature		Date: To-			@terracon.com	
Date:	Time: Received by (Signature		Date: Tim		algroves@pa		
quished by (Signature) Date:	Time: Received by (Signature	1	Date: Tim	nec	cjbryant@pa		
	Mile	yppan	2-27-21	9/5	maochoa@r	adip.com	
WW-Wastewater W - Water	-Soil L-Liquid A-Air Bag	C - Charcoal tube St - Sludge	0	113			
	SO ml = Glass wide mouth P/O - Plastic or other	DE TO					
Lubbo	k Office = 5827 50th Street, Si	uite 1 = Lubbock T	exas 79424	= 806	-300-0140		
				2 000	000 0140		
	Responsive m	Resourceful m Rel	able				

Sample Receipt Checklist

COC Seal Present/Intact: Y N If Applicable
COC Signed/Accurate: Y N YOA Zero Headspace: Y N

Bottles arrive intact: Y N Pres.Correct/Check: Y N

Correct bottles used: Y N

Sufficient volume sent: Y N

Released to Imaging: 8/3/2022 2:35:28 PM

Screen <0.5 mR/hr: Y N

4876 1078 3785 1 total



Pace Analytical® ANALYTICAL REPORT

April 01, 2021



















Plains All American Pipeline - Terracon

Sample Delivery Group: L1332471 Samples Received: 03/31/2021 Project Number: AR217008

Description: DCP #2 (SRS# 2009-039)

Report To: **Brett Dennis**

5847 50th St.

Suite 1

Lubbock, TX 79424

Entire Report Reviewed By:

Ayisha Raza

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

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SAMPLE SUMMARY

EFF-1 (03302021) L1332471-01 Air			Aaron Adams	03/30/2112:56 Received date of the control of the c		
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method M18-Mod	WG1643354	400	03/31/21 20:37	03/31/21 20:37	CAW	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method M18-Mod	WG1644029	4000	04/01/21 14:15	04/01/21 14:15	CAW	Mt. Juliet, TN



















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.



















Ayisha Raza Project Manager

SAMPLE RESULTS - 01

Page 74 of 232

Collected date/time: 03/30/21 12:56

Volatile Organic Compounds (MS) by Method M18-Mod

	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	<u>Batch</u>
Analyte			ppbv	ug/m3	ppbv	ug/m3			
Benzene	71-43-2	78.10	80.0	256	4620	14800		400	WG1643354
Toluene	108-88-3	92.10	2000	7530	70000	264000		4000	WG1644029
Ethylbenzene	100-41-4	106	80.0	347	8050	34900		400	WG1643354
m&p-Xylene	1330-20-7	106	160	694	19300	83700		400	WG1643354
o-Xylene	95-47-6	106	80.0	347	5250	22800		400	WG1643354
Methyl tert-butyl ether	1634-04-4	88.10	80.0	288	ND	ND		400	WG1643354
TPH (GC/MS) Low Fraction	8006-61-9	101	80000	330000	1610000	6650000		400	WG1643354
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		101				WG1643354
(S) 1.4-Bromofluorobenzene	460-00-4	175	60 0-140		96.5				WG1644029



















QUALITY CONTROL SUMMARY

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Volatile Organic Compounds (MS) by Method M18-Mod

L1332471-01

Method Blank (MB)

(MB) R3636700-3 03/31/2	21 10:42					
	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		
m&p-Xylene	U		0.135	0.400		
o-Xylene	U		0.0828	0.200		
TPH (GC/MS) Low Fraction	U		39.7	200		
(S) 1,4-Bromofluorobenzene	99.0			60.0-140		

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

(LCS) R3636700-1 03/31/21 09:22 • (LCSD) R3636700-2 03/31/21 10:02

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	
Analyte	ppbv	ppbv	ppbv	%	%	%			%	%	
MTBE	3.75	4.13	4.21	110	112	70.0-130			1.92	25	
Benzene	3.75	4.08	4.15	109	111	70.0-130			1.70	25	
Ethylbenzene	3.75	4.09	4.08	109	109	70.0-130			0.245	25	
m&p-Xylene	7.50	8.25	8.22	110	110	70.0-130			0.364	25	
o-Xylene	3.75	4.07	4.06	109	108	70.0-130			0.246	25	
TPH (GC/MS) Low Fraction	203	261	259	129	128	70.0-130			0.769	25	
(S) 1,4-Bromofluorobenzene	j			100	97.3	60.0-140					

















QUALITY CONTROL SUMMARY

Page 76 of 232

L1332471-01

Volatile Organic Compounds (MS) by Method M18-Mod

Method Blank (MB)

(MB) R3637144-3 04/01/21	10:56			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ppbv		ppbv	ppbv
Toluene	U		0.0870	0.500
(S) 1,4-Bromofluorobenzene	93.7			60.0-140





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

(LCS) R3637144-1 04/01/21	1 09:33 • (LCSD) R3637144-2	04/01/21 10:16								
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	
Analyte	ppbv	ppbv	ppbv	%	%	%			%	%	
Toluene	3.75	4.55	4.51	121	120	70.0-130			0.883	25	
(S) 14-Bromofluorobenzene				97.2	97.0	60 0-140					













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

Appleviations and	
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 resul reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

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





















Pace Analy	utical National	12065 Lebanon	Rd Mount Julia	t TN 37122
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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 ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina 1	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky 16	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	Al30792	Tennessee 1 4	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA - ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234



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

TN00003

EPA-Crypto



















 $^{^* \, \}text{Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.} \\$

A043

CHAIN OF CUSTODY RECORD

	lerracon					Laboratory: Address:	ESC 12065	Leba	non Rd			ALYSIS QUEST					LAB USE ONLY DUE DATE:	
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					Re	esponsive m	Resou	ILCO	T111 mm	Reliable								

Sample Receipt Checklist

COC Seal Present/Intact: Y N If Applicable
COC Signed/Accurate: Y N VOA Zero Headspace: Y N
Bottles arrive intact: Y N Pres.Correct/Check: Y N

Correct bottles used: Y N

Sufficient volume sent: Y N

RAD Screen <0.5 mR/hr: Y N

7854 0229 3185

Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Midland 1211 W. Florida Ave Midland, TX 79701 Tel: (432)704-5440

Laboratory Job ID: 880-3234-1 Client Project/Site: DCP #2

For:

Terracon Consulting Eng & Scientists 10400 State Hwy 191 Midland, Texas 79707

Attn: Rane Wilson

NEAMER

Authorized for release by: 6/23/2021 1:14:52 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

.....Links

Review your project results through



Visit us at:

www.eurofinsus.com/Env

Released to Imaging: 8/3/2022 2:35:28 PM

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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13

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Laboratory Job ID: 880-3234-1

Client: Terracon Consulting Eng & Scientists Project/Site: DCP #2

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Definitions/Glossary

Client: Terracon Consulting Eng & Scientists

Job ID: 880-3234-1

Project/Site: DCP #2

Qualifiers

00		$\overline{}$	
GC	v	u	А

QC

RER

RPD

TEF

TEQ

TNTC

RL

Qualifier	Qualifier Description
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
U	Analyte was not detected at or above the SDL.
X	Surrogate recovery exceeds control limits

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

Eurofins Xenco, Midland

Quality Control

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Case Narrative

Client: Terracon Consulting Eng & Scientists

Project/Site: DCP #2

Job ID: 880-3234-1

Job ID: 880-3234-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative 880-3234-1

Receipt

The samples were received on 6/21/2021 11:43 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: MW-8 (880-3234-7), Dup-1 (880-3234-8), (LCS 880-4464/34), (LCSD 880-4464/35), (MB 880-4464/39), (880-3234-A-7 MS) and (880-3234-A-7 MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: MW-2 (880-3234-1), MW-3 (880-3234-2), MW-4 (880-3234-3), MW-5 (880-3234-4), MW-6 (880-3234-5), MW-7 (880-3234-6) and (CCV 880-4464/20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

03 UJ 232

Eurofins Xenco, Midland 6/23/2021

Client Sample Results

Client: Terracon Consulting Eng & Scientists

Project/Site: DCP #2

Client Sample ID: MW-2

Lab Sample ID: 880-3234-1

Job ID: 880-3234-1

Date Collected: 06/18/21 11:39 Matrix: Water Date Received: 06/21/21 11:43

Method: 8021B - Volatile Orga	•	•	DI.	MDI	l lmi4	_	Duamanad	Analyses	Dil 5
Analyte	Result	Qualifier	RL	MDL	Unit	<u>D</u> .	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			06/22/21 16:23	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			06/22/21 16:23	1
Ethylbenzene	< 0.000657	U	0.00200	0.000657	mg/L			06/22/21 16:23	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/22/21 16:23	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			06/22/21 16:23	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			06/22/21 16:23	1
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			06/22/21 16:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 _ 130			·		06/22/21 16:23	1
1,4-Difluorobenzene (Surr)	142	X	70 - 130					06/22/21 16:23	1

Client Sample ID: MW-3 Lab Sample ID: 880-3234-2

Date Collected: 06/18/21 12:24 **Matrix: Water**

Date Received: 06/21/21 11:43

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			06/22/21 16:48	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			06/22/21 16:48	1
Ethylbenzene	< 0.000657	U	0.00200	0.000657	mg/L			06/22/21 16:48	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/22/21 16:48	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			06/22/21 16:48	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			06/22/21 16:48	1
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			06/22/21 16:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			-		06/22/21 16:48	1
1,4-Difluorobenzene (Surr)	145	X	70 - 130					06/22/21 16:48	1

Client Sample ID: MW-4 Lab Sample ID: 880-3234-3

Date Collected: 06/18/21 13:28 Date Received: 06/21/21 11:43

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			06/22/21 17:13	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			06/22/21 17:13	1
Ethylbenzene	< 0.000657	U	0.00200	0.000657	mg/L			06/22/21 17:13	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/22/21 17:13	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			06/22/21 17:13	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			06/22/21 17:13	1
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			06/22/21 17:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			-		06/22/21 17:13	1
1,4-Difluorobenzene (Surr)	145	X	70 - 130					06/22/21 17:13	1

Eurofins Xenco, Midland

Matrix: Water

Client Sample Results

Client: Terracon Consulting Eng & Scientists

Project/Site: DCP #2

Lab Sample ID: 880-3234-4

Matrix: Water

Job ID: 880-3234-1

Client Sample ID: MW-5 Date Collected: 06/18/21 14:08 Date Received: 06/21/21 11:43

Method: 8021B - Volatile Organic Compounds (GC) Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac 0.00200 0.000408 mg/L 06/22/21 17:38 **Benzene** 0.253 **Toluene** 0.000452 J 0.00200 0.000367 mg/L 06/22/21 17:38 Ethylbenzene 0.0320 0.00200 0.000657 mg/L 06/22/21 17:38 0.00400 0.000629 m-Xylene & p-Xylene 0.0256 mg/L 06/22/21 17:38 0.00200 0.000642 mg/L 06/22/21 17:38 o-Xylene 0.00402 0.00400 0.000642 mg/L 06/22/21 17:38 **Xylenes, Total** 0.0296 0.00400 0.000657 mg/L 06/22/21 17:38 **Total BTEX** 0.315 Surrogate %Recovery Qualifier Limits Prepared Analyzed

Dil Fac 4-Bromofluorobenzene (Surr) 91 70 - 130 06/22/21 17:38 1,4-Difluorobenzene (Surr) 158 X 70 - 130 06/22/21 17:38

Client Sample ID: MW-6 Lab Sample ID: 880-3234-5 **Matrix: Water**

Date Collected: 06/18/21 08:35

Date Received: 06/21/21 11:43

Method: 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Benzene <0.000408 U 0.00200 06/22/21 19:20 0.000408 mg/L Toluene <0.000367 U 0.00200 0.000367 06/22/21 19:20 mg/L Ethylbenzene <0.000657 U 0.00200 0.000657 mg/L 06/22/21 19:20 0.000629 06/22/21 19:20 m-Xylene & p-Xylene <0.000629 U 0.00400 mg/L <0.000642 U 0.00200 0.000642 mg/L 06/22/21 19:20 o-Xylene 0.000642 mg/L 06/22/21 19:20 Xylenes, Total <0.000642 U 0.00400 Total BTEX <0.000657 U 0.00400 0.000657 mg/L 06/22/21 19:20 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 70 - 130 95 06/22/21 19:20

1,4-Difluorobenzene (Surr) 106 70 - 130 06/22/21 19:20 Client Sample ID: MW-7 Lab Sample ID: 880-3234-6 **Matrix: Water**

Date Collected: 06/18/21 09:45 Date Received: 06/21/21 11:43

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			06/22/21 19:45	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			06/22/21 19:45	1
Ethylbenzene	< 0.000657	U	0.00200	0.000657	mg/L			06/22/21 19:45	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/22/21 19:45	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			06/22/21 19:45	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			06/22/21 19:45	1
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			06/22/21 19:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 _ 130			_		06/22/21 19:45	1
1,4-Difluorobenzene (Surr)	137	X	70 - 130					06/22/21 19:45	1

Eurofins Xenco, Midland

Job ID: 880-3234-1

Client Sample Results

Client: Terracon Consulting Eng & Scientists

Project/Site: DCP #2

Lab Sample ID: 880-3234-7

Client Sample ID: MW-8

Date Collected: 06/18/21 10:23 Matrix: Water Date Received: 06/21/21 11:43

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			06/23/21 02:57	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			06/23/21 02:57	1
Ethylbenzene	0.000671	J	0.00200	0.000657	mg/L			06/23/21 02:57	1
m-Xylene & p-Xylene	0.000714	J	0.00400	0.000629	mg/L			06/23/21 02:57	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			06/23/21 02:57	1
Xylenes, Total	0.000714	J	0.00400	0.000642	mg/L			06/23/21 02:57	1
Total BTEX	0.00139	J	0.00400	0.000657	mg/L			06/23/21 02:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			-		06/23/21 02:57	1
1,4-Difluorobenzene (Surr)	117		70 - 130					06/23/21 02:57	1

Client Sample ID: Dup-1 Lab Sample ID: 880-3234-8

Date Collected: 06/18/21 00:00 Matrix: Water

Date Received: 06/21/21 11:43

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.210		0.00200	0.000408	mg/L			06/23/21 06:45	1
Toluene	0.000581	J	0.00200	0.000367	mg/L			06/23/21 06:45	1
Ethylbenzene	0.0289		0.00200	0.000657	mg/L			06/23/21 06:45	1
m-Xylene & p-Xylene	0.0233		0.00400	0.000629	mg/L			06/23/21 06:45	1
o-Xylene	0.00343		0.00200	0.000642	mg/L			06/23/21 06:45	1
Xylenes, Total	0.0267		0.00400	0.000642	mg/L			06/23/21 06:45	1
Total BTEX	0.266		0.00400	0.000657	mg/L			06/23/21 06:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130			_		06/23/21 06:45	1
1,4-Difluorobenzene (Surr)	145	X	70 - 130					06/23/21 06:45	1

Surrogate Summary

Client: Terracon Consulting Eng & Scientists

Project/Site: DCP #2

Job ID: 880-3234-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-3234-1	MW-2	94	142 X	
880-3234-2	MW-3	99	145 X	
880-3234-3	MW-4	98	145 X	
880-3234-4	MW-5	91	158 X	
880-3234-5	MW-6	95	106	
880-3234-6	MW-7	99	137 X	
880-3234-7	MW-8	109	117	
880-3234-7 MS	MW-8	99	158 X	
880-3234-7 MSD	MW-8	95	162 X	
880-3234-8	Dup-1	89	145 X	
LCS 880-4464/3	Lab Control Sample	87	130	
LCS 880-4464/34	Lab Control Sample	96	158 X	
LCSD 880-4464/35	Lab Control Sample Dup	95	151 X	
LCSD 880-4464/4	Lab Control Sample Dup	92	149 X	
MB 880-4464/39	Method Blank	64 X	119	
MB 880-4464/8	Method Blank	62 X	111	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Eurofins Xenco, Midland

QC Sample Results

Client: Terracon Consulting Eng & Scientists

Project/Site: DCP #2

Job ID: 880-3234-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-4464/39 Client Sample ID: Method Blank **Matrix: Water Prep Type: Total/NA**

Analysis Batch: 4464

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			06/23/21 02:31	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			06/23/21 02:31	1
Ethylbenzene	< 0.000657	U	0.00200	0.000657	mg/L			06/23/21 02:31	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/23/21 02:31	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			06/23/21 02:31	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			06/23/21 02:31	1
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			06/23/21 02:31	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	64	X	70 - 130		06/23/21 02:31	1
1,4-Difluorobenzene (Surr)	119		70 - 130		06/23/21 02:31	1

Lab Sample ID: MB 880-4464/8 Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 4464

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			06/22/21 13:28	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			06/22/21 13:28	1
Ethylbenzene	< 0.000657	U	0.00200	0.000657	mg/L			06/22/21 13:28	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/22/21 13:28	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			06/22/21 13:28	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			06/22/21 13:28	1
Total BTEX	<0.000657	U	0.00400	0.000657	ma/L			06/22/21 13:28	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	62	X	70 - 130		06/22/21 13:28	1
1,4-Difluorobenzene (Surr)	111		70 - 130		06/22/21 13:28	1

Lab Sample ID: LCS 880-4464/3 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 4464

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1076		mg/L		108	70 - 130	
Toluene	0.100	0.09715		mg/L		97	70 - 130	
Ethylbenzene	0.100	0.09730		mg/L		97	70 - 130	
m-Xylene & p-Xylene	0.200	0.2005		mg/L		100	70 - 130	
o-Xylene	0.100	0.09818		mg/L		98	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
1.4-Difluorobenzene (Surr)	130		70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: Terracon Consulting Eng & Scientists

Project/Site: DCP #2

Job ID: 880-3234-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-4464/34

Matrix: Water

Analysis Batch: 4464

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Spike LCS LCS %Rec. Result Qualifier Analyte Added Unit %Rec Limits Benzene 0.100 0.1221 mg/L 122 70 - 130 Toluene 0.100 0.1166 mg/L 117 70 - 130 Ethylbenzene 0.100 0.1065 70 - 130 mg/L 106 m-Xylene & p-Xylene 0.200 0.2195 mg/L 110 70 - 130 o-Xylene 0.100 0.1098 mg/L 110 70 - 130

LCS LCS %Recovery Qualifier Limits Surrogate 70 - 130 4-Bromofluorobenzene (Surr) 96 1,4-Difluorobenzene (Surr) 158 X 70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Type: Total/NA

Analysis Batch: 4464

Matrix: Water

Lab Sample ID: LCSD 880-4464/35

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1204		mg/L		120	70 - 130	1	20
Toluene	0.100	0.1234		mg/L		123	70 - 130	6	20
Ethylbenzene	0.100	0.1061		mg/L		106	70 - 130	0	20
m-Xylene & p-Xylene	0.200	0.2185		mg/L		109	70 - 130	0	20
o-Xylene	0.100	0.1094		mg/L		109	70 - 130	0	20
I and the second se									

LCSD LCSD %Recovery Qualifier Limits Surrogate 4-Bromofluorobenzene (Surr) 95 70 - 130 1,4-Difluorobenzene (Surr) 151 X 70 - 130

Lab Sample ID: LCSD 880-4464/4 Client Sample ID: Lab Control Sample Dup

Matrix: Water

Analysis Batch: 4464

	Spike	LCSD LCSD			%Rec.		RPD
Analyte	Added	Result Qualifier	Unit D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1192	mg/L	119	70 - 130	10	20
Toluene	0.100	0.1089	mg/L	109	70 - 130	11	20
Ethylbenzene	0.100	0.1061	mg/L	106	70 - 130	9	20
m-Xylene & p-Xylene	0.200	0.2185	mg/L	109	70 - 130	9	20
o-Xylene	0.100	0.1065	mg/L	106	70 - 130	8	20

LCSD LCSD %Recovery Qualifier Limits 70 - 130 92

4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 149 X 70 - 130

Lab Sample ID: 880-3234-7 MS

Matrix: Water

Surrogate

Analysis Batch: 4464

•	Sample	Sample	Spike	MS	MS				%Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	<0.000408	U	0.100	0.1202		mg/L		120	70 - 130
Toluene	< 0.000367	U	0.100	0.1243		mg/L		124	70 - 130
Ethylbenzene	0.000671	J	0.100	0.1091		mg/L		108	70 - 130

Eurofins Xenco, Midland

Client Sample ID: MW-8

Prep Type: Total/NA

Page 10 of 19

QC Sample Results

Client: Terracon Consulting Eng & Scientists

Project/Site: DCP #2

Job ID: 880-3234-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-3234-7 MS

Matrix: Water

Analysis Batch: 4464

Client Sample ID: MW-8 Prep Type: Total/NA

Sample Sample Spike MS MS %Rec. Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits 0.000714 0.200 0.2245 112 70 - 130 m-Xylene & p-Xylene mg/L o-Xylene <0.000642 U 0.100 0.1118 mg/L 112 70 - 130

MS MS %Recovery Qualifier Limits Surrogate 4-Bromofluorobenzene (Surr) 70 - 130 99 1,4-Difluorobenzene (Surr) 158 X 70 - 130

Lab Sample ID: 880-3234-7 MSD

Matrix: Water

Analysis Batch: 4464

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.000408	U	0.100	0.1266		mg/L		127	70 - 130	5	25
Toluene	< 0.000367	U	0.100	0.1260		mg/L		126	70 - 130	1	25
Ethylbenzene	0.000671	J	0.100	0.1123		mg/L		112	70 - 130	3	25
m-Xylene & p-Xylene	0.000714	J	0.200	0.2312		mg/L		115	70 - 130	3	25
o-Xylene	<0.000642	U	0.100	0.1150		mg/L		115	70 - 130	3	25

MSD MSD Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 95 70 - 130 1,4-Difluorobenzene (Surr) 162 X 70 - 130 **Client Sample ID: MW-8**

Prep Type: Total/NA

QC Association Summary

Client: Terracon Consulting Eng & Scientists

Job ID: 880-3234-1

Project/Site: DCP #2

GC VOA

Analysis Batch: 4464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3234-1	MW-2	Total/NA	Water	8021B	
880-3234-2	MW-3	Total/NA	Water	8021B	
880-3234-3	MW-4	Total/NA	Water	8021B	
880-3234-4	MW-5	Total/NA	Water	8021B	
880-3234-5	MW-6	Total/NA	Water	8021B	
880-3234-6	MW-7	Total/NA	Water	8021B	
880-3234-7	MW-8	Total/NA	Water	8021B	
880-3234-8	Dup-1	Total/NA	Water	8021B	
MB 880-4464/39	Method Blank	Total/NA	Water	8021B	
MB 880-4464/8	Method Blank	Total/NA	Water	8021B	
LCS 880-4464/3	Lab Control Sample	Total/NA	Water	8021B	
LCS 880-4464/34	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-4464/35	Lab Control Sample Dup	Total/NA	Water	8021B	
LCSD 880-4464/4	Lab Control Sample Dup	Total/NA	Water	8021B	
880-3234-7 MS	MW-8	Total/NA	Water	8021B	
880-3234-7 MSD	MW-8	Total/NA	Water	8021B	

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Lab Sample ID: 880-3234-1 Client Sample ID: MW-2 Date Collected: 06/18/21 11:39

Matrix: Water

Date Received: 06/21/21 11:43

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	4464	06/22/21 16:23	MR	XEN MID

Client Sample ID: MW-3

Lab Sample ID: 880-3234-2

Date Collected: 06/18/21 12:24 Date Received: 06/21/21 11:43

Matrix: Water

Batch Batch Dil Initial Final Batch Prepared Prep Type Method Amount Amount Number or Analyzed Туре Run Factor Analyst Lab 8021B 4464 06/22/21 16:48 MR XEN MID Total/NA Analysis 5 mL 5 mL

Client Sample ID: MW-4 Lab Sample ID: 880-3234-3 Date Collected: 06/18/21 13:28

Matrix: Water Date Received: 06/21/21 11:43

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA 8021B 06/22/21 17:13 MR XEN MID Analysis 5 mL 5 mL 4464

Lab Sample ID: 880-3234-4 Client Sample ID: MW-5

Date Collected: 06/18/21 14:08 **Matrix: Water**

Date Received: 06/21/21 11:43

Dil Batch Batch Initial Final Batch Prepared Prep Type Type Method Run Factor Amount Amount Number or Analyzed Analyst Lab 8021B 4464 06/22/21 17:38 MR XEN MID Total/NA Analysis 5 mL 5 mL

Client Sample ID: MW-6 Lab Sample ID: 880-3234-5

Date Collected: 06/18/21 08:35 Matrix: Water Date Received: 06/21/21 11:43

Dil Batch Batch Initial Final Batch Prepared **Prep Type** Type Method Run Factor Amount Amount Number or Analyzed Analyst Lab 06/22/21 19:20 Total/NA Analysis 8021B 5 mL 5 mL 4464 MR XEN MID

Client Sample ID: MW-7 Lab Sample ID: 880-3234-6

Date Collected: 06/18/21 09:45 **Matrix: Water**

Date Received: 06/21/21 11:43

Dil Batch Batch Initial Final Batch Prepared Method Prep Type Туре Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA 8021B 5 mL 4464 06/22/21 19:45 MR XEN MID Analysis 5 mL

Client Sample ID: MW-8 Lab Sample ID: 880-3234-7

Date Collected: 06/18/21 10:23 Date Received: 06/21/21 11:43

Batch Dil Batch Initial Final Batch Prepared Method

or Analyzed Prep Type Type Run Factor Amount Amount Number Analyst Lab Total/NA Analysis 8021B 5 mL 5 mL 4464 06/23/21 02:57 MR XEN MID

Eurofins Xenco, Midland

Matrix: Water

Lab Chronicle

Client: Terracon Consulting Eng & Scientists

Project/Site: DCP #2

Job ID: 880-3234-1

Lab Sample ID: 880-3234-8

Matrix: Water

Date Collected: 06/18/21 00:00 Date Received: 06/21/21 11:43

Client Sample ID: Dup-1

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	4464	06/23/21 06:45	MR	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Midland

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Accreditation/Certification Summary

Client: Terracon Consulting Eng & Scientists Job ID: 880-3234-1

Project/Site: DCP #2

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	P	rogram	Identification Number	Expiration Date	
Texas	N	ELAP	T104704400-20-21	06-30-21	
The following analytes the agency does not of	•	ut the laboratory is not certific	ed by the governing authority. This list ma	y include analytes for which	
the agency does not of	er certification.				
Analysis Method	Prep Method	Matrix	Analyte		

Method Summary

Client: Terracon Consulting Eng & Scientists

Project/Site: DCP #2

Job ID: 880-3234-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
5030B	Purge and Trap	SW846	XEN MID

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Sample Summary

Client: Terracon Consulting Eng & Scientists

Project/Site: DCP #2

Job	ID:	880-3234-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-3234-1	MW-2	Water	06/18/21 11:39	06/21/21 11:43	
880-3234-2	MW-3	Water	06/18/21 12:24	06/21/21 11:43	
880-3234-3	MW-4	Water	06/18/21 13:28	06/21/21 11:43	
880-3234-4	MW-5	Water	06/18/21 14:08	06/21/21 11:43	
880-3234-5	MW-6	Water	06/18/21 08:35	06/21/21 11:43	
880-3234-6	MW-7	Water	06/18/21 09:45	06/21/21 11:43	
880-3234-7	MW-8	Water	06/18/21 10:23	06/21/21 11:43	
880-3234-8	Dup-1	Water	06/18/21 00:00	06/21/21 11:43	

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Project Manager Sampler's Name Office Location Matrix Project Number ALPHOIDY (Species) 6/1R/2021 6/18/2021 6/18/7021 6/18/2021 6/18/2021 6/18/2021 5/18/2021 6/18/202 Date SPA 40 BLACK AR217008 텖 13 28 12 24 11 39 14:09 10 23 8.35 9:45 Lubback Brett Donnis Aaron Adams Comp 4/6 amber Guss II 8 × Grab × × × × Normal Project Name 6-18-21 18-2021 Lubbock Office = 5847 50th Street = Lubbock, Texas 79424 = 806-300-0140 Identifying Marks of Sample(s) 48-Heur Rush 1-40C MW-7 MW-5 ¥₩.4 MW-8 9-MM E-MW **MW-2** 15.30 DCP #2 00 Responsive - Resourceful - Reliable ****** Contact SRS # Phone **Address** Sampler's Signature ecohen by Islgranum Laboratory 670). Aberdeen Xenco Lubbock, Texas 79424 Start Depti 2009-039 40 ml VOA نبا W W 6-18-22 880-3234 Chain of Custody REQUESTED BTEX (EPA Method 8021) <u>~</u> × × × × 23 NOTES e-mall results to řes alecoves@paalp com erin loyd@terracon.com <u>brett dennis@terracon.com</u> maqehoa@paalp.com cibryant@paalp com No Bill directly to Plains Pipeline CORD LAB USE DNLY DUE DAYE MINEN SECTION ("C) Page 1 of 1 4.3/4.8 Lab Sample ID

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 880-3234-1

Login Number: 3234 List Source: Eurofins Xenco, Midland

List Number: 1 Creator: Teel, Brianna

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
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.	True	
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	

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Pace Analytical® ANALYTICAL REPORT

August 24, 2021

Revised Report

Plains All American Pipeline - Terracon

L1345067 Sample Delivery Group:

Samples Received: 04/28/2021

Project Number: AR217008

DCP #2 Description:

Report To: **Brett Dennis**

5847 50th St.

Suite 1

Lubbock, TX 79424

















Entire Report Reviewed By:

Ayisha Raza

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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SAMPLE SUMMARY

EFF-1 (04272021) L1345067-01 Air			Collected by Aaron Adams	Collected date/time 04/27/2115:37	Received date 04/28/21 09:0	
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Volatile Organic Compounds (MS) by Method TO-15	WG1661298	2000	04/29/21 21:02	04/29/21 21:02	MBF	Mt. Juliet, TN



















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.

Method

TO-15





















Report Revision History

Level II Report - Version 1: 05/13/21 00:07 Level II Report - Version 2: 07/28/21 10:23 Level II Report - Version 3: 08/13/21 19:19

Project Narrative

Dilution correction.

Sample Delivery Group (SDG) Narrative

Sample received in tedlar bag.

Lab Sample ID **Project Sample ID** L1345067-01 EFF-1 (04272021)

SAMPLE RESULTS - 01

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Volatile Organic Compounds (MS) by Method TO-15

	CAS#	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	<u>Batch</u>
Analyte			ppbv	ug/m3	ppbv	ug/m3			
Benzene	71-43-2	78.10	400	1280	9100	29100		2000	WG1661298
Ethylbenzene	100-41-4	106	400	1730	16900	73300		2000	WG1661298
Toluene	108-88-3	92.10	1000	3770	111000	418000		2000	WG1661298
m&p-Xylene	1330-20-7	106	800	3470	36900	160000		2000	WG1661298
o-Xylene	95-47-6	106	400	1730	10000	43400		2000	WG1661298
TPH (GC/MS) Low Fraction	8006-61-9	101	400000	1650000	2960000	12200000		2000	WG1661298
(S) 1.4-Bromofluorobenzene	460-00-4	175	60 0-140		10.3				WG1661298



















QUALITY CONTROL SUMMARY

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Volatile Organic Compounds (MS) by Method TO-15

L1345067-01

Method Blank (MB)

(MB) R3649419-3 04/29/2	21 09:48				
	MB Result	MB Qualifier	MB MDL	MB RDL	
Analyte	ppbv		ppbv	ppbv	
Benzene	U		0.0715	0.200	
Ethylbenzene	U		0.0835	0.200	
Toluene	U		0.0870	0.500	
m&p-Xylene	U		0.135	0.400	
o-Xylene	U		0.0828	0.200	
TPH (GC/MS) Low Fraction	59.0	<u>J</u>	39.7	200	
(S) 1,4-Bromofluorobenzene	95.5			60.0-140	

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

(LCS) R3649419-1 04/29/21 08:49 • (LCSD) R3649419-2 04/29/21 09:20

	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	4.09	4.21	109	112	70.0-130			2.89	25	
Toluene	3.75	4.02	4.17	107	111	70.0-130			3.66	25	
Ethylbenzene	3.75	4.03	4.13	107	110	70.0-130			2.45	25	
m&p-Xylene	7.50	8.11	8.19	108	109	70.0-130			0.982	25	
o-Xylene	3.75	4.05	4.16	108	111	70.0-130			2.68	25	
TPH (GC/MS) Low Fraction	203	246	251	121	124	70.0-130			2.01	25	
(S) 1,4-Bromofluorobenzene	غ			99.6	101	60.0-140					



















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

Appleviations and	a Delimitoris
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 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 identification of the analyte is acceptable; the reported value is an estimate.





















Pace Analytical National	12065 Lebanon Rd Mount Juliet,	TN 37122
race Analytical National	12000 Lebanon Ku Mount Juliet,	111 3/122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina 1	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky 16	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	Al30792	Tennessee 1 4	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA - ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234



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

TN00003

EPA-Crypto



















 $^{^* \, \}text{Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.} \\$

M188

CHAIN OF CUSTODY RECORD

		6					Laboratory: Address:	Pace 12065 l	ebanon	Rd		LYSIS	D			LAB USE ONLY DUE DATE:	
						78 8		1	et, TN 37	122						TEMP OF COOLER WHEN RECEIVED (°C)	
Offi	ce Location	n	Lubbock				Phone: Contact:	(800) 767-5859								Page 1 o	. 1
Proj	ect Manag	ger	Brett De	ennis			SRS #:		2009-	139		1		1 1		rage	
Sam	pler's Nam	ne	Aaron A	dams			Sampler's Sig	nature	Ble	r Ahn	18021)	P				Page 1 o	5067
Proj	ect Numbe	er AR217008			Project Name	DCP #	‡2	7.		ype of Containers	Method	extended				U.A.	
Matrix	Date	Time	Comp	Grab	Ident	ifying Marks of Sa		Start Depth	End Depth tedlar bag		втех (ера	TPH 8015				Lab Sample	ın
S	4/27/2021	15:37	7 X			EFF-1 (04272021)		X	12	X	X				Lab Sample	-01
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_	IAROUND TII			Þ	Normal	8-Hour Rush	24-Hour Rush		RRP Labo	ratory Review Ch	ecklist		☐ Yes		Colores and Colore		
	ished by (Signatur	CAM	n		422	721 17:2	Received by (Signature			Date:	Time:	15/5	NOTES: e-mail re		II directly	to Plains Pipeline	OK
Relinqu	ished by (Signatur	re)			Date:	Time:	Received by (Signature	1	West Transfer	Date:	Time:			algroves	@paalp.		
Relinqu	ished by (Signatur	re)			Date:	Time:	Received by (Signature	1/10		4-28-2	Time:	000.		<u>cjbryant</u> <u>maocho</u>			
Matrix Containe		WW-Wastewater VOA - 40 ml vial		W - Wat		Soil L - Liqu O ml = Glass wide mouth	uid A - Air Bag P/O - Plastic or other	C - Charcouri tu	be	SL - Sludge							
					Lub	bock Office =	5847 50th Stree				= 80	6-300	-0140				
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Pace Analytical® ANALYTICAL REPORT

Ss

Cn

Sr

Qc Gl

Αl



Plains All American Pipeline - Terracon

Sample Delivery Group: L1372011

Samples Received: 06/29/2021

Project Number: AR217008

DCP #2 Description:

Report To: **Brett Dennis**

5847 50th St.

Suite 1

Lubbock, TX 79424

Entire Report Reviewed By:

Ayisha Raza

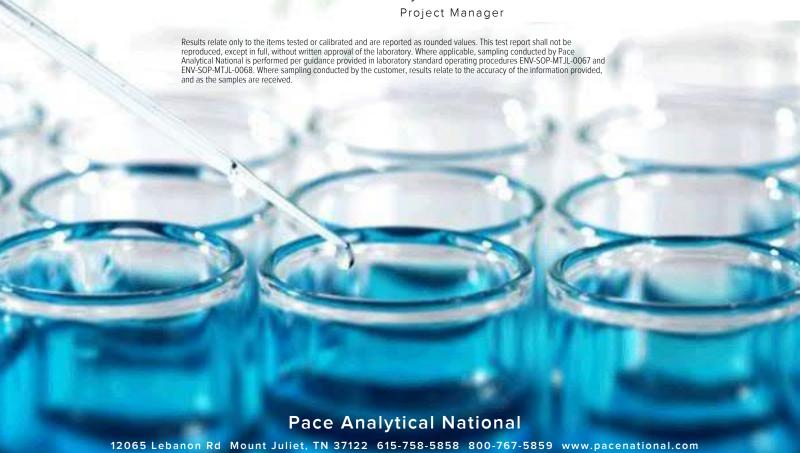


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SAMPLE SUMMARY

EFF-1 (06282021) L1372011-01 Air			Collected by Aaron Adams	Collected date/time 06/28/2113:38	Received date, 06/29/21 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1697863	800	06/30/21 23:15	06/30/21 23:15	GLN	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG1698509	5000	07/01/21 17:01	07/01/21 17:01	GLN	Mt. Juliet, TN



















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.





















SAMPLE RESULTS - 01

Volatile Organic Co	ompounds	(MS) by	Method	TO-15					
	CAS#	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ug/m3	ppbv	ug/m3			
Acetone	67-64-1	58.10	1000	2380	ND	ND		800	WG1697863
Allyl chloride	107-05-1	76.53	160	501	ND	ND		800	WG1697863
Benzene	71-43-2	78.10	160	511	5080	16200		800	WG1697863
Benzyl Chloride	100-44-7	127	160	831	ND	ND		800	WG1697863
Bromodichloromethane	75-27-4	164	160	1070	ND	ND		800	WG1697863
Bromoform	75-25-2	253	480	4970	ND	ND		800	WG1697863
Bromomethane	74-83-9	94.90	160	621	ND	ND		800	WG1697863
1,3-Butadiene	106-99-0	54.10	1600	3540	ND	ND		800	WG1697863
Carbon disulfide	75-15-0	76.10	160	498	ND	ND		800	WG1697863
Carbon tetrachloride	56-23-5	154	160	1010	ND	ND		800	WG1697863
Chlorobenzene	108-90-7	113	160	739	ND	ND		800	WG1697863
Chloroethane	75-00-3	64.50	160	422	ND	ND		800	WG1697863
Chloroform	67-66-3	119	160	779	ND	ND		800	WG1697863
Chloromethane	74-87-3	50.50	160	330	ND	ND		800	WG1697863
2-Chlorotoluene	95-49-8	126	160	825	ND	ND		800	WG1697863
Cyclohexane	110-82-7	84.20	160	551	78800	271000		800	WG1697863
Dibromochloromethane	124-48-1	208	160	1360	ND	ND		800	WG1697863
1,2-Dibromoethane	106-93-4	188	160	1230	ND	ND		800	WG1697863
1,2-Dichlorobenzene	95-50-1	147	160	962	ND	ND		800	WG1697863
1,3-Dichlorobenzene	541-73-1	147	160	962	ND	ND		800	WG1697863
1,4-Dichlorobenzene	106-46-7	147	160	962	ND	ND		800	WG1697863
1,2-Dichloroethane	107-06-2	99	160	648	ND	ND		800	WG1697863
1,1-Dichloroethane	75-34-3	98	160	641	ND	ND		800	WG1697863
1,1-Dichloroethene	75-35-4	96.90	160	634	ND	ND		800	WG1697863
cis-1,2-Dichloroethene	156-59-2	96.90	160	634	ND	ND		800	WG1697863
trans-1,2-Dichloroethene	156-60-5	96.90	160	634	ND	ND		800	WG1697863
1,2-Dichloropropane	78-87-5	113	160	739	ND	ND		800	WG1697863
cis-1,3-Dichloropropene	10061-01-5	111	160	726	ND	ND		800	WG1697863
trans-1,3-Dichloropropene	10061-02-6	111	160	726	ND	ND		800	WG1697863
1,4-Dioxane	123-91-1	88.10	160	577	ND	ND		800	WG1697863
Ethanol	64-17-5	46.10	1000	1890	1160	2190		800	WG1697863
Ethylbenzene	100-41-4	106	160	694	11500	49900		800	WG1697863
4-Ethyltoluene	622-96-8	120	160	785	3120	15300		800	WG1697863
Trichlorofluoromethane	75-69-4	137.40	160	899	ND	ND		800	WG1697863
Dichlorodifluoromethane	75-71-8	120.92	160	791	ND	ND		800	WG1697863
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	160	1230	ND	ND		800	WG1697863
1,2-Dichlorotetrafluoroethane	76-14-2	171	160	1120	ND	ND		800	WG1697863
Heptane	142-82-5	100	1000	4090	299000	1220000		5000	WG1698509
Hexachloro-1,3-butadiene	87-68-3	261	504	5380	ND	ND		800	WG1697863
n-Hexane	110-54-3	86.20	504	1780	31900	112000		800	WG1697863
Isopropylbenzene	98-82-8	120.20	160	787	1300	6390		800	WG1697863
Methylene Chloride	75-09-2	84.90	160	556	ND	ND		800	WG1697863
Methyl Butyl Ketone	591-78-6	100	1000	4090	ND	ND		800	WG1697863
2-Butanone (MEK)	78-93-3	72.10	1000	2950	ND	ND		800	WG1697863
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1000	4090	ND	ND		800	WG1697863
Methyl methacrylate	80-62-6	100.12	160	655	ND	ND		800	WG1697863
MTBE	1634-04-4	88.10	160	577	ND	ND		800	WG1697863
Naphthalene	91-20-3	128	504	2640	ND	ND		800	WG1697863
2-Propanol	67-63-0	60.10	1000	2460	1510	3710		800	WG1697863
Propene	115-07-1	42.10	1000	1720	ND	ND		800	WG1697863
Styrene	100-42-5	104	160	681	ND	ND		800	WG1697863
1,1,2,2-Tetrachloroethane	79-34-5	168	160	1100	ND	ND		800	WG1697863
Tetrachloroethylene	127-18-4	166	160	1090	ND	ND		800	WG1697863
Tetrahydrofuran	109-99-9	72.10	160	472	ND	ND		800	WG1697863
Toluene	108-88-3	92.10	400	1510	63100	238000		800	WG1697863
1,2,4-Trichlorobenzene	120-82-1	181	504	3730	ND	ND		800	WG1697863















SAMPLE RESULTS - 01

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Collected date/time: 06/28/21 13:38

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			
1,1,1-Trichloroethane	71-55-6	133	160	870	ND	ND		800	WG1697863
1,1,2-Trichloroethane	79-00-5	133	160	870	ND	ND		800	WG1697863
Trichloroethylene	79-01-6	131	160	857	ND	ND		800	WG1697863
1,2,4-Trimethylbenzene	95-63-6	120	160	785	1990	9770		800	WG1697863
1,3,5-Trimethylbenzene	108-67-8	120	160	785	1280	6280		800	WG1697863
2,2,4-Trimethylpentane	540-84-1	114.22	160	747	ND	ND		800	WG1697863
Vinyl chloride	75-01-4	62.50	160	409	ND	ND		800	WG1697863
Vinyl Bromide	593-60-2	106.95	160	700	ND	ND		800	WG1697863
Vinyl acetate	108-05-4	86.10	160	563	ND	ND		800	WG1697863
m&p-Xylene	1330-20-7	106	320	1390	26700	116000		800	WG1697863
o-Xylene	95-47-6	106	160	694	7360	31900		800	WG1697863
TPH (GC/MS) Low Fraction	8006-61-9	101	160000	661000	1810000	7480000		800	WG1697863
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		106				WG1697863
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		93.8				WG1698509

















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Volatile Organic Compounds (MS) by Method TO-15

Method Blank (MB)							
(MB) R3674265-3 06/30/2	21 11:48						
	MB Result	MB Qualifier	MB MDL	MB RDL			
Analyte	ppbv		ppbv	ppbv			
Acetone	U		0.584	1.25			
Allyl Chloride	U		0.114	0.200			
Benzene	U		0.0715	0.200			
Benzyl Chloride	U		0.0598	0.200			
Bromodichloromethane	U		0.0702	0.200			
Bromoform	U		0.0732	0.600			
Bromomethane	U		0.0982	0.200			
1,3-Butadiene	U		0.104	2.00			
Carbon disulfide	U		0.102	0.200			
Carbon tetrachloride	U		0.0732	0.200			
Chlorobenzene	U		0.0832	0.200			
Chloroethane	U		0.0996	0.200			
Chloroform	U		0.0717	0.200			
Chloromethane	U		0.103	0.200			
2-Chlorotoluene	U		0.0828	0.200			
Cyclohexane	U		0.0753	0.200			
Dibromochloromethane	U		0.0727	0.200			
,2-Dibromoethane	U		0.0721	0.200			
l,2-Dichlorobenzene	U		0.128	0.200			
l,3-Dichlorobenzene	U		0.182	0.200			
l,4-Dichlorobenzene	U		0.0557	0.200			
I,2-Dichloroethane	U		0.0700	0.200			
,1-Dichloroethane	U		0.0723	0.200			
1,1-Dichloroethene	U		0.0762	0.200			
cis-1,2-Dichloroethene	U		0.0784	0.200			
rans-1,2-Dichloroethene	U		0.0673	0.200			
1,2-Dichloropropane	U		0.0760	0.200			
cis-1,3-Dichloropropene	U		0.0689	0.200			
trans-1,3-Dichloropropene	U		0.0728	0.200			
1,4-Dioxane	U		0.0833	0.200			
Ethylbenzene	U		0.0835	0.200			
4-Ethyltoluene	U		0.0783	0.200			
Trichlorofluoromethane	U		0.0819	0.200			
Dichlorodifluoromethane	U		0.137	0.200			
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200			
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200			
Hexachloro-1,3-butadiene	U		0.105	0.630			
n-Hexane	U		0.206	0.630			
Isopropylbenzene	U		0.0777	0.200			
Methylene Chloride	U		0.0979	0.200			

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L1372011-01

Volatile Organic Compounds (MS) by Method TO-15

Method Blank (MB)

(MB) R3674265-3 06/30/2	21 11:48				
	MB Result	MB Qualifier	MB MDL	MB RDL	
Analyte	ppbv		ppbv	ppbv	
Methyl Butyl Ketone	U		0.133	1.25	
2-Butanone (MEK)	U		0.0814	1.25	
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25	
Methyl Methacrylate	U		0.0876	0.200	
MTBE	U		0.0647	0.200	
Naphthalene	U		0.350	0.630	
2-Propanol	U		0.264	1.25	
Propene	U		0.0932	1.25	
Styrene	U		0.0788	0.200	
1,1,2,2-Tetrachloroethane	U		0.0743	0.200	
Tetrachloroethylene	U		0.0814	0.200	
Tetrahydrofuran	U		0.0734	0.200	
Toluene	U		0.0870	0.500	
1,2,4-Trichlorobenzene	U		0.148	0.630	
1,1,1-Trichloroethane	U		0.0736	0.200	
1,1,2-Trichloroethane	U		0.0775	0.200	
Trichloroethylene	U		0.0680	0.200	
1,2,4-Trimethylbenzene	U		0.0764	0.200	
1,3,5-Trimethylbenzene	U		0.0779	0.200	
2,2,4-Trimethylpentane	U		0.133	0.200	
Vinyl chloride	U		0.0949	0.200	
Vinyl Bromide	U		0.0852	0.200	
Vinyl acetate	U		0.116	0.200	
m&p-Xylene	U		0.135	0.400	
o-Xylene	U		0.0828	0.200	
Ethanol	U		0.265	1.25	
TPH (GC/MS) Low Fraction	U		39.7	200	

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

(LCS) R3674265-1 06/30/	21 08:44 • (LCS	SD) R3674265	-2 06/30/21 09	9:25						
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	ppbv	ppbv	ppbv	%	%	%			%	%
Ethanol	3.75	3.01	2.95	80.3	78.7	55.0-148			2.01	25
Propene	3.75	3.00	2.98	80.0	79.5	64.0-144			0.669	25
Dichlorodifluoromethane	3.75	3.47	3.48	92.5	92.8	64.0-139			0.288	25
1,2-Dichlorotetrafluoroethane	3.75	3.27	3.26	87.2	86.9	70.0-130			0.306	25
Chloromethane	3.75	3.02	3.02	80.5	80.5	70.0-130			0.000	25

(S) 1,4-Bromofluorobenzene 98.0

60.0-140

Volatile Organic Compounds (MS) by Method TO-15

7.50

Released to Imaging - 8/3/2022 2:35:28 PM
Plains All American Pipeline - Terracon

m&p-Xylene

6.63

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

(LCS) R3674265-1 06/30/2	21 08:44 • (LCS	D) R3674265	5-2 06/30/21 09	9:25						
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	ppbv	ppbv	ppbv	%	%	%			%	%
nyl chloride	3.75	3.20	3.18	85.3	84.8	70.0-130			0.627	25
-Butadiene	3.75	3.07	3.02	81.9	80.5	70.0-130			1.64	25
momethane	3.75	3.29	3.28	87.7	87.5	70.0-130			0.304	25
roethane	3.75	3.13	3.15	83.5	84.0	70.0-130			0.637	25
lorofluoromethane	3.75	3.46	3.45	92.3	92.0	70.0-130			0.289	25
richlorotrifluoroethane	3.75	3.29	3.31	87.7	88.3	70.0-130			0.606	25
chloroethene	3.75	3.18	3.18	84.8	84.8	70.0-130			0.000	25
ichloroethane	3.75	3.13	3.09	83.5	82.4	70.0-130			1.29	25
etone	3.75	3.09	3.09	82.4	82.4	70.0-130			0.000	25
opanol	3.75	2.99	3.03	79.7	80.8	70.0-139			1.33	25
on disulfide	3.75	3.11	3.14	82.9	83.7	70.0-130			0.960	25
ylene Chloride	3.75	2.97	2.97	79.2	79.2	70.0-130			0.000	25
	3.75	3.22	3.25	85.9	86.7	70.0-130			0.927	25
:-1,2-Dichloroethene	3.75	3.14	3.13	83.7	83.5	70.0-130			0.319	25
exane	3.75	3.04	2.99	81.1	79.7	70.0-130			1.66	25
l acetate	3.75	2.89	2.92	77.1	77.9	70.0-130			1.03	25
hyl Ethyl Ketone	3.75	3.22	3.29	85.9	87.7	70.0-130			2.15	25
,2-Dichloroethene	3.75	3.09	3.07	82.4	81.9	70.0-130			0.649	25
proform	3.75	3.27	3.26	87.2	86.9	70.0-130			0.306	25
nexane	3.75	3.22	3.19	85.9	85.1	70.0-130			0.936	25
Frichloroethane	3.75	3.44	3.43	91.7	91.5	70.0-130			0.291	25
on tetrachloride	3.75	3.44	3.49	91.7	93.1	70.0-130			1.44	25
ene	3.75	3.18	3.16	84.8	84.3	70.0-130			0.631	25
Dichloroethane	3.75	3.38	3.36	90.1	89.6	70.0-130			0.593	25
:hloroethylene	3.75	3.22	3.25	85.9	86.7	70.0-130			0.927	25
Dichloropropane	3.75	2.96	2.99	78.9	79.7	70.0-130			1.01	25
vioxane	3.75	3.26	3.24	86.9	86.4	70.0-130			0.615	25
modichloromethane	3.75	3.33	3.33	88.8	88.8	70.0-140			0.000	25
I,3-Dichloropropene	3.75	3.23	3.24	86.1	86.4	70.0-130			0.309	25
	3.75	3.23	3.24	83.2	82.4	70.0-130			0.309	25
ethyl-2-pentanone (MIBK) Jene	3.75	3.12		87.7	82.4 87.5	70.0-139			0.304	25 25
			3.28						0.304	25 25
s-1,3-Dichloropropene	3.75	3.35	3.36 3.23	89.3	89.6	70.0-130			0.298	25
-Trichloroethane	3.75	3.22		85.9	86.1	70.0-130				
achloroethylene	3.75	3.40	3.39	90.7	90.4	70.0-130			0.295	25
thyl Butyl Ketone	3.75	3.30	3.20	88.0	85.3	70.0-149			3.08	25
mochloromethane	3.75	3.48	3.45	92.8	92.0	70.0-130			0.866	25
Dibromoethane	3.75	3.41	3.38	90.9	90.1	70.0-130			0.884	25
lorobenzene 	3.75	3.38	3.41	90.1	90.9	70.0-130			0.884	25
benzene	3.75	3.28	3.30	87.5	88.0	70.0-130			0.608	25

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88.4

6.69

89.2

70.0-130

25

0.901

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Volatile Organic Compounds (MS) by Method TO-15

L1372011-01

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

(LCS) R3674265-1 06/30/21 08:44 • (LCSD) R3674265-2 06/30/21 09:25

,	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	
Analyte	ppbv	ppbv	ppbv	%	%	%			%	%	
o-Xylene	3.75	3.26	3.29	86.9	87.7	70.0-130			0.916	25	
Styrene	3.75	3.36	3.37	89.6	89.9	70.0-130			0.297	25	
Bromoform	3.75	3.38	3.45	90.1	92.0	70.0-130			2.05	25	
1,1,2,2-Tetrachloroethane	3.75	3.10	3.12	82.7	83.2	70.0-130			0.643	25	
4-Ethyltoluene	3.75	3.33	3.43	88.8	91.5	70.0-130			2.96	25	
1,3,5-Trimethylbenzene	3.75	3.34	3.34	89.1	89.1	70.0-130			0.000	25	
1,2,4-Trimethylbenzene	3.75	3.35	3.41	89.3	90.9	70.0-130			1.78	25	
1,3-Dichlorobenzene	3.75	3.45	3.48	92.0	92.8	70.0-130			0.866	25	
1,4-Dichlorobenzene	3.75	3.54	3.60	94.4	96.0	70.0-130			1.68	25	
Benzyl Chloride	3.75	3.54	3.54	94.4	94.4	70.0-152			0.000	25	
1,2-Dichlorobenzene	3.75	3.44	3.45	91.7	92.0	70.0-130			0.290	25	
1,2,4-Trichlorobenzene	3.75	3.76	3.87	100	103	70.0-160			2.88	25	
Hexachloro-1,3-butadiene	3.75	3.62	3.69	96.5	98.4	70.0-151			1.92	25	
Naphthalene	3.75	3.64	3.71	97.1	98.9	70.0-159			1.90	25	
TPH (GC/MS) Low Fraction	203	186	186	91.6	91.6	70.0-130			0.000	25	
Allyl Chloride	3.75	3.23	3.19	86.1	85.1	70.0-130			1.25	25	
2-Chlorotoluene	3.75	3.34	3.37	89.1	89.9	70.0-130			0.894	25	
Methyl Methacrylate	3.75	3.23	3.21	86.1	85.6	70.0-130			0.621	25	
Tetrahydrofuran	3.75	2.88	2.84	76.8	75.7	70.0-137			1.40	25	
2,2,4-Trimethylpentane	3.75	3.04	2.95	81.1	78.7	70.0-130			3.01	25	
Vinyl Bromide	3.75	3.25	3.28	86.7	87.5	70.0-130			0.919	25	
Isopropylbenzene	3.75	3.29	3.35	87.7	89.3	70.0-130			1.81	25	

60.0-140



















(S) 1,4-Bromofluorobenzene

101

102

Volatile Organic Compounds (MS) by Method TO-15

QUALITY CONTROL SUMMARY

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L1372011-01

Method Blank (MB)

(MB) R3674816-3 07/01/21	l 10:38			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ppbv		ppbv	ppbv
Heptane	U		0.104	0.200
(S) 1,4-Bromofluorobenzene	85.9			60.0-140





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

(LCS) R36/4816-1 07/01/2	109:03 • (LCSL)) R36/4816-2	07/01/21 09:55)						
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	ppbv	ppbv	ppbv	%	%	%			%	%
Heptane	3.75	3.86	3.82	103	102	70.0-130			1.04	25
(S) 1,4-Bromofluorobenzene				102	98.2	60.0-140				













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, th 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 rest 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 f 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 an times of preparation and/or analysis.

Qualifier Description

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



















- A 1	1.81.00	40005		A A CONTRACTOR OF THE CONTRACT	T 1107100
Pace Analytica	al National	12065 Le	ebanon Rd	Mount Juliet.	, TN 3/122

		<u> </u>	
Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
lowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky ¹⁶	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	Al30792	Tennessee 1 4	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA - ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234



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

TN00003

EPA-Crypto



















 $^{^* \, \}text{Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.} \\$

CHAIN OF CUSTODY RECORD

		0			con	Laboratory: Address:	ESC 12065 L				1	LYSIS				LAB USE ONLY DUE DATE: TEMP OF COOLER	
	e Location	Lu	bbock rett Den			Phone: Contact: SRS #:	(800) 76	57-58	N 37122 859 09-039							WHEN RECEIVED (°C)	of_1 57204
Sam	oler's Name	e A	aron Ad	ams		Sampler's Sig	gnature	m2		Imm	802	_				1 1 1 X	57204
Proj	ect Number	r AR217008			Project Name DCP #2 (SRS#	2009-039)	ar na			of Containers	(EPA Method 802	extended					
Matrix	Date	Time	Comp	Grab	Identifying Marks of S	ample(s)	Start Depth	End Depth	tedlar bag		втех (ерд	TPH 8015				Lab Sar	nple ID
A	6/28/2021	1338	36	х	EFF-1 (0628202	1)			Х		Х	Х					-0
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\forall											\pm						
Relino	NAROUND TIME uished by (Signature Ushed by (Signature	Ahn	-	Ä	Normal	24-Hour Rush Received by (Signatur Received by (Signatur	re)	RRP	Laborato	Date:	Time:		NOTES e-mail	: results to	0:	ectly to Plains Pipeline . @terracon.com	σK
	uished by (Signatur uished by (Signatur				Date: Time: Date: Time:	Received by (Signatur	\$00 		_	Date:	Time:	900		algi cjbi	roves@pa ryant@pa		
Matrix		WW-Wastewater VOA - 40 ml vial		W - Wi	ater 5 - Soil L-1 Amber Glass 11. 250 ml = Glass wide mouth Lubbock Office # 58	P/O - Plantic or other		L	ıbbock		424	80	6-300-0	140		8	

AMB

	ecklist If Applicable A Zero Headspace: es.Correct/Check:	YN
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Pace Analytical® ANALYTICAL REPORT



















Plains All American Pipeline - Terracon

Sample Delivery Group: L1359588 Samples Received: 05/29/2021 Project Number: AR217008 DCP #2 Description:

Report To: **Brett Dennis**

5847 50th St.

Suite 1

Lubbock, TX 79424

Entire Report Reviewed By:

Ayisha Raza



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Cp: Cover Page	1
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Cn: Case Narrative	4
Sr: Sample Results	5
EFF-1 (05272021) L1359588-01	5
Qc: Quality Control Summary	6
Volatile Organic Compounds (MS) by Method M18-Mod	6
GI: Glossary of Terms	7
Al: Accreditations & Locations	8
Sc: Sample Chain of Custody	9



















SAMPLE SUMMARY

EFF-1 (05272021) L1359588-01 Air			Collected by Aaron Adams	Collected date/time 05/27/21 09:20	Received date 05/29/21 09:3	
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Volatile Organic Compounds (MS) by Method M18-Mod	WG1679834	2000	05/29/21 15:57	05/29/21 15:57	FKG	Mt. Juliet, TN



















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.



















Ayisha Raza

SAMPLE RESULTS - 01

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Collected date/time: 05/27/21 09:20

Volatile Organic Compounds (MS) by Method M18-Mod

	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	<u>Batch</u>
Analyte			ppbv	ug/m3	ppbv	ug/m3			
Benzene	71-43-2	78.10	400	1280	ND	ND		2000	WG1679834
Toluene	108-88-3	92.10	1000	3770	101000	380000		2000	WG1679834
Ethylbenzene	100-41-4	106	400	1730	15700	68100		2000	WG1679834
m&p-Xylene	1330-20-7	106	800	3470	40100	174000		2000	WG1679834
o-Xylene	95-47-6	106	400	1730	11300	49000		2000	WG1679834
Methyl tert-butyl ether	1634-04-4	88.10	400	1440	ND	ND		2000	WG1679834
TPH (GC/MS) Low Fraction	8006-61-9	101	400000	1650000	3220000	13300000		2000	WG1679834
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		98.7				WG1679834



















Volatile Organic Compounds (MS) by Method M18-Mod

QUALITY CONTROL SUMMARY

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L1359588-01

Method Blank (MB)

(S) 1,4-Bromofluorobenzene

(MB) R3660993-2 05/29/2110:48 MB RDL MB Result MB Qualifier MB MDL Analyte ppbv ppbv ppbv Benzene U 0.0715 0.200 U 0.0835 0.200 Ethylbenzene MTBE U 0.0647 0.200 Toluene U 0.0870 0.500 m&p-Xylene U 0.135 0.400 U o-Xylene 0.0828 0.200 TPH (GC/MS) Low Fraction U 39.7 200 (S) 1,4-Bromofluorobenzene 95.2 60.0-140

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

(LCS) R3660993-1 05/29/21 10:10 • (LCSD) R3660993-3 05/29/21 12:11

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	
Analyte	ppbv	ppbv	ppbv	%	%	%			%	%	
MTBE	3.75	4.27	4.30	114	115	70.0-130			0.700	25	
Benzene	3.75	4.36	4.31	116	115	70.0-130			1.15	25	
Toluene	3.75	4.44	4.41	118	118	70.0-130			0.678	25	
Ethylbenzene	3.75	4.38	4.28	117	114	70.0-130			2.31	25	
m&p-Xylene	7.50	8.96	8.82	119	118	70.0-130			1.57	25	
o-Xylene	3.75	4.39	4.34	117	116	70.0-130			1.15	25	
TPH (GC/MS) Low Fraction	203	244	241	120	119	70.0-130			1.24	25	

60.0-140



Ss

[†]Cn







96.8

97.4

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, th 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 rest 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 f 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 an times of preparation and/or analysis.

Qualifier Description

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

















Pace Analytical National	12065 Lebanon Rd Mount Juliet,	TN 37122
race Analytical National	12005 Lebanon Ru Mount Junet,	111 3/122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina 1	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky 16	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	Al30792	Tennessee 1 4	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA - ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234



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

TN00003

EPA-Crypto



















 $^{^* \, \}text{Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.} \\$

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CHAIN OF CUSTODY KELORD

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orient Manager	Brott Donni			Contact: SRS #:	-	2000	030		1 8				Page <u>1</u> of <u>1</u>	
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www.wastewater	w-	Water 5-So	il L-Liquid	A - Air Bag	- Charcoal tu	be	StSludge	11 0	770					
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I tedler Ams

Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Lubbock 6701 Aberdeen Ave. Suite 8

Lubbock, TX 79424 Tel: (806)794-1296

Laboratory Job ID: 820-2017-1

Laboratory Sample Delivery Group: AR217008

Client Project/Site: DCP #2

For:

Terracon Consulting Eng & Scientists 5827 50th St Suite 1 Lubbock, Texas 79424

Attn: Brett Dennis

LAMER

Authorized for release by: 9/30/2021 3:55:34 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

·····LINKS ·······

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Released to Imaging: 8/3/2022 2:35:28 PM

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Terracon Consulting Eng & Scientists

Project/Site: DCP #2

Laboratory Job ID: 820-2017-1 SDG: AR217008

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments. QC data that exceed the upper limits and are associated with non-detect samples are qualified but no further narration is needed since the bias is high and does not change a non-detect result. Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Coliform MCLs

· Based on the EPA primary drinking water standard MCL for total coliforms, a water supply is considered bacteriologically "SAFE" if no coliform bacteria are detected. To be considered "SAFE" your report should indicate "<1 cfu/100mL" or "NEG" for the coliform test. If you report indicates a positive result "POS" or a value greater than or equal to one, then your supply is "UNSAFE FOR DRINKING" contact your local health department.

Warranties, Terms, and Conditions

· Analyses for Field Parameters are performed by EQC field staff. Locations and certifications are identified on the Chain of Custody as follows:

ERF = field staff performs tests under NJ State certification #02015 VL = field staff performs tests under NJ State certification #06005 WG = field staff performs tests under NJ State certification #PA001

H = field staff performs tests under NJ NELAP certification #PA093, PA NELAP certification # 46-

05499

- · Test results meet all TNI or other applicable regulatory agency requirements, including holding times and preservation, unless otherwise indicated.
- · The report shall not be reproduced, except in full, without the written consent of the laboratory
- · All samples are collected as "grab" samples unless otherwise identified.
- · Reported results related only to the samples as tested. EQC is not responsible for sample integrity unless sampling has been performed by a member of our staff.
- · EQC is not responsible for sampling and/or testing omissions. Note that regulatory authorities may assess substantial fines for testing omissions. Please track your sample collection schedules and results on a regular basis (e.g. weekly, monthly, or quarterly) to ensure compliance.
- · Eurofins' online data portal "TotalAccess" will provide you with real-time access to collection dates and testing results. Please contact Client Services for further information.
- The following personnel or their deputies have approved the results of the tests performed by EQC: Nicki Smith (Environmental Chemistry) and Zachary Smith (Water Microbiology).

Jessica Kramer

Project Manager

9/30/2021 3:55:34 PM

VRAMER

Page 2 of 22

Client: Terracon Consulting Eng & Scientists Project/Site: DCP #2

Laboratory Job ID: 820-2017-1 SDG: AR217008

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Definitions/Glossary

Client: Terracon Consulting Eng & Scientists

Job ID: 820-2017-1 Project/Site: DCP #2 SDG: AR217008

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Not Calculated NC

MQL

Not Detected at the reporting limit (or MDL or EDL if shown) ND

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Method Quantitation Limit

RLReporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points **RPD**

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: Terracon Consulting Eng & Scientists

Project/Site: DCP #2

Job ID: 820-2017-1

SDG: AR217008

Job ID: 820-2017-1

Laboratory: Eurofins Xenco, Lubbock

Narrative

Job Narrative 820-2017-1

Receipt

The samples were received on 9/23/2021 4:12 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.9°C

GC VOA

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

Client: Terracon Consulting Eng & Scientists

Project/Site: DCP #2

Lab Sample ID: 820-2017-1

09/30/21 03:16

Matrix: Water

Job ID: 820-2017-1

SDG: AR217008

Client Sample ID: MW-2 Date Collected: 09/22/21 13:39 Date Received: 09/23/21 16:12

Method: 8021B - Volatile O	rganic Compo	unds (GC)							
Analyte	Result	Qualifier	RL	MDL Un	nit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg	g/L			09/30/21 03:16	1
Toluene	<0.00200	U	0.00200	mg	g/L			09/30/21 03:16	1
Ethylbenzene	<0.00200	U	0.00200	mg	g/L			09/30/21 03:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg	g/L			09/30/21 03:16	1
o-Xylene	<0.00200	U	0.00200	mg	g/L			09/30/21 03:16	1
Xylenes, Total	<0.00400	U	0.00400	mg	g/L			09/30/21 03:16	1
Total BTEX	<0.00200	U *+ F1	0.00200	mg	g/L			09/30/21 03:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 130			•		09/30/21 03:16	1

Client Sample ID: MW-3 Lab Sample ID: 820-2017-2

70 - 130

93

Date Collected: 09/22/21 14:50 **Matrix: Water**

Date Received: 09/23/21 16:12

1,4-Difluorobenzene (Surr)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			09/30/21 03:42	1
Toluene	<0.00200	U	0.00200		mg/L			09/30/21 03:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			09/30/21 03:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			09/30/21 03:42	1
o-Xylene	<0.00200	U	0.00200		mg/L			09/30/21 03:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			09/30/21 03:42	1
Total BTEX	<0.00200	U *+	0.00200		mg/L			09/30/21 03:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			•		09/30/21 03:42	1
1,4-Difluorobenzene (Surr)	103		70 - 130					09/30/21 03:42	1

Client Sample ID: MW-4 Lab Sample ID: 820-2017-3 Date Collected: 09/22/21 15:50 **Matrix: Water**

Date Received: 09/23/21 16:12

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			09/29/21 15:33	1
Toluene	<0.00200	U	0.00200		mg/L			09/29/21 15:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			09/29/21 15:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			09/29/21 15:33	1
o-Xylene	<0.00200	U	0.00200		mg/L			09/29/21 15:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			09/29/21 15:33	1
Total BTEX	<0.00200	U *+	0.00200		mg/L			09/29/21 15:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			-		09/29/21 15:33	1
1,4-Difluorobenzene (Surr)	103		70 - 130					09/29/21 15:33	1

Job ID: 820-2017-1

Client: Terracon Consulting Eng & Scientists

Project/Site: DCP #2

SDG: AR217008 **Client Sample ID: MW-5**

Date Collected: 09/22/21 16:29 Date Received: 09/23/21 16:12

Lab Sample	ID: 820-2017-4	
	Matrix: Water	

Method: 8021B - Volatile O	rganic Compo	unds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			09/29/21 15:59	1
Toluene	<0.00200	U	0.00200		mg/L			09/29/21 15:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			09/29/21 15:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			09/29/21 15:59	1
o-Xylene	<0.00200	U	0.00200		mg/L			09/29/21 15:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			09/29/21 15:59	1
Total BTEX	0.00219	*+	0.00200		mg/L			09/29/21 15:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130					09/29/21 15:59	1
1,4-Difluorobenzene (Surr)	106		70 - 130					09/29/21 15:59	1

Client Sample ID: MW-6 Lab Sample ID: 820-2017-5 Date Collected: 09/22/21 11:14 **Matrix: Water**

Date Received: 09/23/21 16:12

100

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			09/29/21 16:26	1
Toluene	<0.00200	U	0.00200		mg/L			09/29/21 16:26	1
Ethylbenzene	< 0.00200	U	0.00200		mg/L			09/29/21 16:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			09/29/21 16:26	1
o-Xylene	< 0.00200	U	0.00200		mg/L			09/29/21 16:26	1
Xylenes, Total	< 0.00400	U	0.00400		mg/L			09/29/21 16:26	1
Total BTEX	<0.00200	U *+	0.00200		mg/L			09/29/21 16:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130					09/29/21 16:26	1

Client Sample ID: MW-7 Lab Sample ID: 820-2017-6 Date Collected: 09/22/21 12:07 **Matrix: Water**

70 - 130

Date Received: 09/23/21 16:12

1,4-Difluorobenzene (Surr)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			09/29/21 16:52	1
Toluene	<0.00200	U	0.00200		mg/L			09/29/21 16:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			09/29/21 16:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			09/29/21 16:52	1
o-Xylene	<0.00200	U	0.00200		mg/L			09/29/21 16:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			09/29/21 16:52	1
Total BTEX	<0.00200	U *+	0.00200		mg/L			09/29/21 16:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			-		09/29/21 16:52	1
1,4-Difluorobenzene (Surr)	104		70 - 130					09/29/21 16:52	1

Eurofins Xenco, Lubbock

09/29/21 16:26

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			09/29/21 16:52	1
Toluene	<0.00200	U	0.00200		mg/L			09/29/21 16:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			09/29/21 16:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			09/29/21 16:52	1
o-Xylene	<0.00200	U	0.00200		mg/L			09/29/21 16:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			09/29/21 16:52	1
Total BTEX	<0.00200	U *+	0.00200		mg/L			09/29/21 16:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			-		09/29/21 16:52	1
1,4-Difluorobenzene (Surr)	104		70 - 130					09/29/21 16:52	1

Client: Terracon Consulting Eng & Scientists

Project/Site: DCP #2

Job ID: 820-2017-1 SDG: AR217008

Client Sample ID: MW-8

Lab Sample ID: 820-2017-7

Date Collected: 09/22/21 12:48 Date Received: 09/23/21 16:12

Matrix: Water

Method: 8021B - Volatile O	rganic Compo	unds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			09/29/21 17:19	1
Toluene	<0.00200	U	0.00200		mg/L			09/29/21 17:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			09/29/21 17:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			09/29/21 17:19	1
o-Xylene	<0.00200	U	0.00200		mg/L			09/29/21 17:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			09/29/21 17:19	1
Total BTEX	<0.00200	U *+	0.00200		mg/L			09/29/21 17:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130					09/29/21 17:19	1
1,4-Difluorobenzene (Surr)	104		70 - 130					09/29/21 17:19	1

Lab Sample ID: 820-2017-8

Matrix: Water

Date Collected: 09/22/21 00:00 Date Received: 09/23/21 16:12

Client Sample ID: DUP-1

Method: 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier MDL Unit D Prepared Analyzed Dil Fac RL Benzene <0.00200 U 0.00200 mg/L 09/29/21 17:45 Toluene <0.00200 U 0.00200 mg/L 09/29/21 17:45 Ethylbenzene <0.00200 U 0.00200 mg/L 09/29/21 17:45 m-Xylene & p-Xylene <0.00400 U 0.00400 mg/L 09/29/21 17:45 o-Xylene <0.00200 U 0.00200 mg/L 09/29/21 17:45 Xylenes, Total <0.00400 U 0.00400 mg/L 09/29/21 17:45 **Total BTEX** 0.00254 0.00200 mg/L 09/29/21 17:45

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 70 - 130 09/29/21 17:45 116 1,4-Difluorobenzene (Surr) 104 70 - 130 09/29/21 17:45

Surrogate Summary

Client: Terracon Consulting Eng & Scientists

Job ID: 820-2017-1 Project/Site: DCP #2 SDG: AR217008

Method: 8021B - Volatile Organic Compounds (GC)

Prep Type: Total/NA

		BFB1	DFBZ1	Surrogate Recovery (Acceptance Limits)
	011 / 0 1 15			
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
820-2017-1	MW-2	111	93	
820-2017-1 MS	MW-2	105	103	
820-2017-1 MSD	MW-2	108	115	
820-2017-2	MW-3	103	103	
820-2017-3	MW-4	108	103	
820-2017-4	MW-5	115	106	
820-2017-5	MW-6	112	100	
820-2017-6	MW-7	112	104	
820-2017-7	MW-8	113	104	
820-2017-8	DUP-1	116	104	
LCS 880-8514/34	Lab Control Sample	105	107	
LCS 880-8514/65	Lab Control Sample	102	109	
LCSD 880-8514/35	Lab Control Sample Dup	107	101	
LCSD 880-8514/66	Lab Control Sample Dup	106	108	
MB 880-8514/39	Method Blank	63 S1-	93	
MB 880-8514/70	Method Blank	64 S1-	93	
MB 880-8514/8	Method Blank	63 S1-	93	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Client: Terracon Consulting Eng & Scientists

Project/Site: DCP #2

Job ID: 820-2017-1

SDG: AR217008

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-8514/39

Matrix: Water

Analysis Batch: 8514

Client Samp	le ID:	Meth	od Blank
_	Prep	Type:	Total/NA

MD MD

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			09/29/21 13:21	1
Toluene	<0.00200	U	0.00200		mg/L			09/29/21 13:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			09/29/21 13:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			09/29/21 13:21	1
o-Xylene	<0.00200	U	0.00200		mg/L			09/29/21 13:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			09/29/21 13:21	1
Total BTEX	<0.00200	U	0.00200		mg/L			09/29/21 13:21	1

	MB	МВ			
Surrogate	%Recovery	Qualifier	Limits	Prepared Analy	zed Dil Fac
4-Bromofluorobenzene (Surr)	63	S1-	70 - 130	09/29/21	13:21 1
1,4-Difluorobenzene (Surr)	93		70 - 130	09/29/21	1 13:21 1

Lab Sample ID: MB 880-8514/70 Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 8514

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			09/30/21 02:51	1
Toluene	<0.00200	U	0.00200		mg/L			09/30/21 02:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			09/30/21 02:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			09/30/21 02:51	1
o-Xylene	<0.00200	U	0.00200		mg/L			09/30/21 02:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			09/30/21 02:51	1
Total BTEX	<0.00200	U	0.00200		ma/L			09/30/21 02:51	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	64	S1-	70 - 130		09/30/21 02:51	1
1,4-Difluorobenzene (Surr)	93		70 - 130		09/30/21 02:51	1

Lab Sample ID: MB 880-8514/8 **Client Sample ID: Method Blank Matrix: Water Prep Type: Total/NA**

Analysis Batch: 8514

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			09/28/21 23:15	1
Toluene	<0.00200	U	0.00200		mg/L			09/28/21 23:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			09/28/21 23:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			09/28/21 23:15	1
o-Xylene	<0.00200	U	0.00200		mg/L			09/28/21 23:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			09/28/21 23:15	1
Total BTEX	<0.00200	U	0.00200		mg/L			09/28/21 23:15	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	63	S1-	70 - 130		09/28/21 23:15	1
1,4-Difluorobenzene (Surr)	93		70 - 130		09/28/21 23:15	1

QC Sample Results

Client: Terracon Consulting Eng & Scientists

Project/Site: DCP #2

Job ID: 820-2017-1 SDG: AR217008

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-8514/34

Matrix: Water

Analysis Batch: 8514

Client Sample ID:	Lab Control Sample
	Prep Type: Total/NA

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08990		mg/L		90	70 - 130	
Toluene	0.100	0.09755		mg/L		98	70 - 130	
Ethylbenzene	0.100	0.09210		mg/L		92	70 - 130	
m-Xylene & p-Xylene	0.200	0.1991		mg/L		100	70 - 130	
o-Xylene	0.100	0.1022		mg/L		102	70 - 130	

LCS LCS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 105 70 - 130 107 70 - 130 1,4-Difluorobenzene (Surr)

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Matrix: Water

Analysis Batch: 8514

Lab Sample ID: LCS 880-8514/65

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.07930		mg/L		79	70 - 130	
Toluene	0.100	0.08734		mg/L		87	70 - 130	
Ethylbenzene	0.100	0.08962		mg/L		90	70 - 130	
m-Xylene & p-Xylene	0.200	0.1932		mg/L		97	70 - 130	
o-Xylene	0.100	0.1003		mg/L		100	70 - 130	

LCS LCS Surrogate %Recovery Qualifier Limits 102 70 - 130 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 109 70 - 130

Lab Sample ID: LCSD 880-8514/35

Matrix: Water

Analysis Batch: 8514

Client Sample	ID: Lab	Conti	rol	Sam	ple Dup
		Prep	Ty	pe: T	otal/NA

	Spike	LCSD LCSD			%Rec.		RPD
Analyte	Added	Result Qualifier	Unit	D %Rec	Limits	RPD	Limit
Benzene	0.100	0.08605	mg/L	86	70 - 130	4	20
Toluene	0.100	0.08895	mg/L	89	70 - 130	9	20
Ethylbenzene	0.100	0.08618	mg/L	86	70 - 130	7	20
m-Xylene & p-Xylene	0.200	0.1858	mg/L	93	70 - 130	7	20
o-Xylene	0.100	0.09628	mg/L	96	70 - 130	6	20

LCSD LCSD %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 107 70 - 130 1,4-Difluorobenzene (Surr) 101 70 - 130

Lab Sample ID: LCSD 880-8514/66

Matrix: Water

Surrogate

Analysis Batch: 8514

Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

•	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.07779		mg/L		78	70 - 130	2	20
Toluene	0.100	0.08514		mg/L		85	70 - 130	3	20
Ethylbenzene	0.100	0.08761		mg/L		88	70 - 130	2	20

Eurofins Xenco, Lubbock

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QC Sample Results

Client: Terracon Consulting Eng & Scientists

Project/Site: DCP #2

Job ID: 820-2017-1 SDG: AR217008

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-8514/66

Matrix: Water

Analysis Batch: 8514

Client Sample	ID: Lab	Control	Sample Dup
		Prop T	mo: Total/NA

Prep Type: Total/NA

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
m-Xylene & p-Xylene	0.200	0.1895		mg/L		95	70 - 130	2	20
o-Xylene	0.100	0.09976		mg/L		100	70 - 130	1	20

LCSD LCSD Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 106 70 - 130 1,4-Difluorobenzene (Surr) 108 70 - 130

Lab Sample ID: 820-2017-1 MS

Client Sample ID: MW-2 **Matrix: Water** Prep Type: Total/NA **Analysis Batch: 8514** % Doc

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.100	0.08106		mg/L		81	70 - 130	
Toluene	<0.00200	U	0.100	0.07866		mg/L		79	70 - 130	
Ethylbenzene	<0.00200	U	0.100	0.08950		mg/L		90	70 - 130	
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1938		mg/L		97	70 - 130	
o-Xylene	<0.00200	U	0.100	0.1005		mg/L		101	70 - 130	

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1.4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 820-2017-1 Matrix: Water	MSD							Cli	ent Sam Prep Ty	•	
Analysis Batch: 8514										•	
-	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
A b t	D 14	0	A -1 -11	D 14	O	11!4	_	0/ D	1.1		1. 2

Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.08758		mg/L		88	70 - 130	8	25
Toluene	<0.00200	U	0.100	0.09346		mg/L		93	70 - 130	17	25
Ethylbenzene	<0.00200	U	0.100	0.09744		mg/L		97	70 - 130	8	25
m-Xylene & p-Xylene	<0.00400	U	0.200	0.2108		mg/L		105	70 - 130	8	25
o-Xylene	<0.00200	U	0.100	0.1098		mg/L		110	70 - 130	9	25

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

QC Association Summary

Client: Terracon Consulting Eng & Scientists

Project/Site: DCP #2

Job ID: 820-2017-1

SDG: AR217008

GC VOA

Analysis Batch: 8514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-2017-1	MW-2	Total/NA	Water	8021B	
820-2017-2	MW-3	Total/NA	Water	8021B	
820-2017-3	MW-4	Total/NA	Water	8021B	
820-2017-4	MW-5	Total/NA	Water	8021B	
820-2017-5	MW-6	Total/NA	Water	8021B	
820-2017-6	MW-7	Total/NA	Water	8021B	
820-2017-7	MW-8	Total/NA	Water	8021B	
820-2017-8	DUP-1	Total/NA	Water	8021B	
MB 880-8514/39	Method Blank	Total/NA	Water	8021B	
MB 880-8514/70	Method Blank	Total/NA	Water	8021B	
MB 880-8514/8	Method Blank	Total/NA	Water	8021B	
LCS 880-8514/34	Lab Control Sample	Total/NA	Water	8021B	
LCS 880-8514/65	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-8514/35	Lab Control Sample Dup	Total/NA	Water	8021B	
LCSD 880-8514/66	Lab Control Sample Dup	Total/NA	Water	8021B	
820-2017-1 MS	MW-2	Total/NA	Water	8021B	
820-2017-1 MSD	MW-2	Total/NA	Water	8021B	

Client: Terracon Consulting Eng & Scientists

Project/Site: DCP #2

Client Sample ID: MW-2 Lab Sample ID: 820-2017-1 Date Collected: 09/22/21 13:39

Matrix: Water

Matrix: Water

Matrix: Water

Batch Batch Dil Initial Final Batch Prepared Method **Factor Prep Type** Type Run **Amount** Amount Number or Analyzed Analyst Lab 8514 09/30/21 03:16 MR XEN MID Total/NA Analysis 8021B 5 mL 5 mL

Client Sample ID: MW-3 Lab Sample ID: 820-2017-2 Date Collected: 09/22/21 14:50 **Matrix: Water**

Date Received: 09/23/21 16:12

Date Received: 09/23/21 16:12

Batch Batch Dil Initial Final Batch **Prepared Prep Type** Type Method Run **Factor Amount** Amount Number or Analyzed Analyst Lab Total/NA Analysis 8021B 5 mL 5 mL 8514 09/30/21 03:42 MR XEN MID

Client Sample ID: MW-4 Lab Sample ID: 820-2017-3

Date Collected: 09/22/21 15:50 Date Received: 09/23/21 16:12

Batch Batch Dil Initial Final Batch Prepared Method **Factor** Number or Analyzed **Prep Type** Type Run **Amount** Amount **Analyst** Lab Total/NA Analysis 8021B 5 mL 8514 09/29/21 15:33 MR XEN MID 5 mL

Client Sample ID: MW-5 Lab Sample ID: 820-2017-4 **Matrix: Water**

Date Collected: 09/22/21 16:29 Date Received: 09/23/21 16:12

Batch Batch Dil Initial Final Batch Prepared **Prep Type** Method Factor **Amount** Amount Number or Analyzed Type Run Analyst Lab Analysis 8021B 8514 09/29/21 15:59 MR XEN MID Total/NA 5 mL 5 mL

Client Sample ID: MW-6 Lab Sample ID: 820-2017-5

Date Collected: 09/22/21 11:14 Date Received: 09/23/21 16:12

Batch Batch Dil Initial Final Batch Prepared Method Run Factor **Amount** Number or Analyzed **Prep Type** Type **Amount** Analyst Lab Total/NA Analysis 8021B 5 mL 5 mL 8514 09/29/21 16:26 MR XEN MID

Client Sample ID: MW-7 Lab Sample ID: 820-2017-6 **Matrix: Water**

Date Collected: 09/22/21 12:07 Date Received: 09/23/21 16:12

Batch Dil Initial Final Batch Batch **Prepared Prep Type** Type Method Run **Factor** Amount Amount Number or Analyzed **Analyst** Lab 09/29/21 16:52 MR Total/NA Analysis 8021B 5 mL 5 mL 8514 XEN MID

Lab Sample ID: 820-2017-7 Client Sample ID: MW-8 **Matrix: Water**

Date Collected: 09/22/21 12:48 Date Received: 09/23/21 16:12

Batch Batch Dil Initial Final Batch **Prepared Prep Type** Type Method Run Factor **Amount** Amount Number or Analyzed Analyst Lab Total/NA Analysis 8021B 5 mL 5 mL 8514 09/29/21 17:19 MR XEN MID

Job ID: 820-2017-1

SDG: AR217008

Lab Chronicle

Client: Terracon Consulting Eng & Scientists

Project/Site: DCP #2

Client Sample ID: DUP-1

Date Collected: 09/22/21 00:00

Lab Sample ID: 820-2017-8

Matrix: Water

Date Collected: 09/22/21 00:00 Date Received: 09/23/21 16:12

Prep Type	Batch Type	Batch Method	Run	Dil	Initial	Final	Batch Number	Prepared or Analyzed	Analyst	Lab
Prep Type	туре	wethod	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	8514	09/29/21 17:45	MR	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Accreditation/Certification Summary

Client: Terracon Consulting Eng & Scientists

Job ID: 820-2017-1 Project/Site: DCP #2 SDG: AR217008

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority Texas		rogram ELAP	Identification Number T104704400-21-22	Expiration Date 06-30-22
The following analyte the agency does not		ort, but the laboratory is r	not certified by the governing authority.	This list may include analytes for whi
Analysis Method	Prep Method	Matrix	Analyte	
8021B		Water	Total BTEX	

Eurofins Xenco, Lubbock

Method Summary

Client: Terracon Consulting Eng & Scientists

Project/Site: DCP #2

Job ID: 820-2017-1

, .D	20 20 17 1	
SDG:	AR217008	

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
5030B	Purge and Trap	SW846	XEN MID

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Terracon Consulting Eng & Scientists

Project/Site: DCP #2

MW-7

MW-8

DUP-1

820-2017-6

820-2017-7

820-2017-8

Job ID: 820-2017-1 SDG: AR217008

Lab Sample ID Client Sample ID Matrix Collected Received 820-2017-1 MW-2 Water 09/22/21 13:39 09/23/21 16:12 MW-3 Water 09/22/21 14:50 09/23/21 16:12 820-2017-2 820-2017-3 MW-4 Water 09/22/21 15:50 09/23/21 16:12 MW-5 Water 09/22/21 16:29 09/23/21 16:12 820-2017-4 820-2017-5 MW-6 Water 09/22/21 11:14 09/23/21 16:12

09/22/21 12:07 09/23/21 16:12

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ce Location lect Manager hpler's Name lect Number AR217008 Date Time 9/22/2021 13:39	Brett Dennis Aaron Adams Page 199		Audi ess.	ovol Abeldeen	מבבוו			
ce Loc lect M lpler's ect Nu Dai	Pmp Adams rab			LUUDOLLA	Lubbock, Texas 79424		KEUUESIEU	TEMP OF COOLER WHEN RECEIVED (°C)
ect Manager pler's Name ect Number AR217008 Date Time 9/22/2021 13:39			Phone:					, jo
ipler's Name lect Number AR217008 Date 7ime 9/22/2021 13:39 9/22/2021 14:50			SRS #:		2009-039			
Pate Time Date Time 5/22/2021 13:39	rab		Sampler's Signature	ature			(1708)	
AR217008 Date Time 9/22/2021 13:39 9/22/2021 14:50		Project Name			No. Type of Containers	ontainers	poqja	
Date Time 9/22/2021 13:39 9/22/2021 14:50		DCP #2			AC		M A	
9/22/2021		Identifying Marks of Sample(s)	ple(s)	Start Depth	V Im 04	18.5	93) X3T8	Lab Sample ID
9/22/2021	×	MW-2			3		×	
L.	×	MW-3		2420 S	3	\$ 1 2	×	
GW 9/22/2021 15:50	×	MW-4			3		×	
GW 9/22/2021 16:29	×	MW-5			3		×	
GW 9/22/2021 11:14	×	9-MM-6			3		×	
GW 9/22/2021 12:07	×	MW-7			3		×	820-2017 Chain of Custody
GW 9/22/2021 12:48	×	MW-8			3		×	(5)
GW 9/22/2021	×	DUP-1			3		×	
TURNAROUND TIME	- Z	Normal □ 48-Hour Rush □	24-Hour Rush	- E	TRRP Laboratory Review Checklist	Review Che	cklist	O Yes O No
Relinqui, «d by Agnature)	Į.	too	Received by (Signature)	14	Sell de	9/22/2	1612	NOTES: Bill directly to Plains Pipeline
Relinquished by (Signature)		Date:	Received by (Signature)			Date:	Time:	e-mail results to: hrett.dennis@terracon.com
Relinquished by (Signature)		Date: Time:	Received by (Signature)			Date:	Time:	erin.loyd@terracon.com algroves@paalp.com
Relinquished by (Signature)		рас: Пте:	Received by (Signature)			Date:	Times	maochoa@paalp.com cibryant@paalp.com
	W Water		A - Air Bag	C - Charcoal tube	St Sludge			
Container VOA - 40 ml vial	A/G - Amber Glass 1L	er Glass 1L 250 ml = Glass wide mouth	P/O · Plastic or other					

6701 Aberdeen Ave Suite 8 Lubbock, TX 79424 Phane 806-794-1286 Eurofins Xenco, Lubbock

Chain of Custody Record

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Friting auc-144-1280									
Client Information (Sub Contract Lab)	Sempler		Krame	Kremer, Jesska		Carder Tracking No(s):	3 MD(8)	COC No 820-2191 1	
	Phone:		E-Mail	E-Mail E-Mail	urofinset com	State of Origin,		Page:	
Company Eurofins Xenco				Accreditations Required (See n NELAP - Texas	aculood (See note):			Job #	
rese 11 W Florida Ave	Due Data Requestati 9/29/2021				.	nalysis Reguested		Preservation Codes	Codes.
- Gity Midland	TAT Requested (days)							B Nort	
State Zp: TX, 79701	•							0 - Nitric Acid	O - AsNeO2 P - NeXO4S O NeXSO3
Phone: -432-704-5440(Tel)	*0*			24 24				G - America	
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General Weters	Project #							L EDA	W-pH 4.5 Z other (specify)
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		Sample	Matrix					STATE OF	
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								Dads.	BI INSTRUCTIONS/NOIS:
MW-2 (820-2017-1)		13 39 Central	Water	×					And the second s
MW-3 (820-2017-2)	9/22/21	14 60 Central	Water	×				A	
MW-4 (820-2017-3)	B/22/21	16 50 Central	Water	×					
MW-5 (820-2017-4)	9/22/21	16 29 Central	Water	×					
MW-8 (820-2017-5)	9/22/21	11 14 Central	Water	×					
MW-7 (820-2017-8)	9/22/21	12.07 Central	Water	×					
MW-8 (820-2017-7)	9/22/21	12:48	Water	×					
DUP-1 (820-2017-8)	8/22/21	Central	Water	×					
Note. Since leboratory econolisticus are subject to chance Fundina Xenon II O o									
maintan acceptation in the State of Origin leased above for amelystathestatimetrix being arrelyzed, the samples must be thipped back to the Euritman Xence LLC belondancy or other in attention immediately. If all requested acceptabilishes are current to date return the signed Chein of Cuetody attenting to seid complicance to Eurofine Xence LLC.	sing snettyzed, the sam signed Chein of Custo	ples must be shipped to dy skesting to said com	est to the Eurofina pileance to Eurofin	Xenco LLC labor	Blory of other instructions will	be provided. Any	warden under dig Citanges to secred	n-or-custody if the sa faction status should b	instructions will be provided. Any changes to accreditation status should be brought to Eurothe Xerop L.C.
Unconfirmed					Sample Disposel (A fee may b	foe may be assessed if samples are retained longer	ampies ere re	tained longer th	then 1 month)
Deriverable Requested 1 II III, IV, Other (specify)	Primary Deliverable Rank 2	le Rank 2		Special In	ğ	ngots			
Empty Kit Relinquished by		Date		Time	Mall	Westhod o	Wethod of Shipment.		
and less 1. Evapler	9/24/2	17:00	Company	Mag.			Dangline 7	-21 111	M Kampa)
97	Control ling.	:	Company	Received by	do.	1	Date/Time:		Company
	Oete/Time:		Company	Received by:	nd by:	;	Date/3 me		Company
△ Yes ∧ No CUSHOUY Seef NO				Cooler Tem	ingenture (a) 26 and Ottor Remarks.	Remarks:			
									Ver 06/08/2021

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 820-2017-1 SDG Number: AR217008

Login Number: 2017 List Source: Eurofins Xenco, Lubbock List Number: 1

Creator: Ruggles, Ashley

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
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.	True	
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	

Released to Imaging: 8/3/2022 2:35:28 PM

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 820-2017-1

SDG Number: AR217008

Login Number: 2017 List Source: Eurofins Xenco, Midland List Creation: 09/27/21 02:00 PM List Number: 2

Creator: Copeland, Tatiana

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.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1 / 2.6
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.	True	
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	



Pace Analytical® ANALYTICAL REPORT

August 02, 2021



















Plains All American Pipeline - Terracon

Sample Delivery Group:

L1383911

Samples Received:

07/29/2021

Project Number:

AR217008

Description:

DCP #2

Report To:

Brett Dennis

5847 50th St.

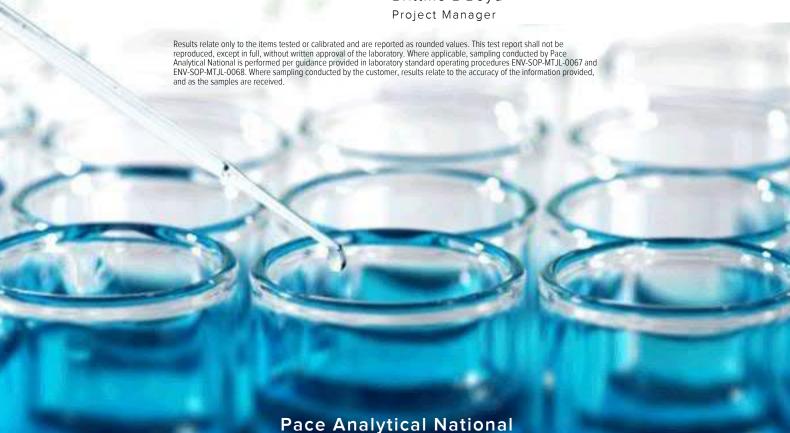
Suite 1

Lubbock, TX 79424

Entire Report Reviewed By:

Drittine Boyd

Brittnie L Boyd



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

Cp: Cover Page	1
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Cn: Case Narrative	4
Sr: Sample Results	5
EFF-1 (07272021) L1383911-01	5
Qc: Quality Control Summary	6
Volatile Organic Compounds (MS) by Method M18-Mod	6
GI: Glossary of Terms	7
Al: Accreditations & Locations	8
Sc: Sample Chain of Custody	9



















SAMPLE SUMMARY

EFF-1 (07272021) L1383911-01 Air			Collected by	07/27/21 13:30	07/29/21 09:00	
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Volatile Organic Compounds (MS) by Method M18-Mod	WG1713890	2000	07/29/21 16:48	07/29/21 16:48	MBF	Mt. Juliet, TN



















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.





















Brittine Boyd

Page 157 of 232

SAMPLE RESULTS - 01

L1383911

Volatile Organic Compounds (MS) by Method M18-Mod

	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	<u>Batch</u>
Analyte			ppbv	ug/m3	ppbv	ug/m3			
Benzene	71-43-2	78.10	400	1280	6500	20800		2000	WG1713890
Toluene	108-88-3	92.10	1000	3770	83300	314000		2000	WG1713890
Ethylbenzene	100-41-4	106	400	1730	13700	59400		2000	WG1713890
m&p-Xylene	1330-20-7	106	800	3470	31200	135000		2000	WG1713890
o-Xylene	95-47-6	106	400	1730	8600	37300		2000	WG1713890
Methyl tert-butyl ether	1634-04-4	88.10	400	1440	ND	ND		2000	WG1713890
TPH (GC/MS) Low Fraction	8006-61-9	101	400000	1650000	2590000	10700000		2000	WG1713890
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		98.8				WG1713890



















QUALITY CONTROL SUMMARY

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L1383911-01

Volatile Organic Compounds (MS) by Method M18-Mod

Method Blank (MB)

(MB) R3685756-3 07/29/2	21 10:17						
	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			
m&p-Xylene	U		0.135	0.400			
o-Xylene	U		0.0828	0.200			
TPH (GC/MS) Low Fraction	U		39.7	200			
(S) 1.4-Bromofluorobenzene	96.5			60.0-140			

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

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	
Analyte	ppbv	ppbv	ppbv	%	%	%			%	%	
MTBE	3.75	3.57	3.60	95.2	96.0	70.0-130			0.837	25	
Benzene	3.75	3.69	3.71	98.4	98.9	70.0-130			0.541	25	
Toluene	3.75	3.63	3.64	96.8	97.1	70.0-130			0.275	25	
Ethylbenzene	3.75	3.69	3.67	98.4	97.9	70.0-130			0.543	25	
m&p-Xylene	7.50	7.34	7.33	97.9	97.7	70.0-130			0.136	25	
o-Xylene	3.75	3.60	3.64	96.0	97.1	70.0-130			1.10	25	
TPH (GC/MS) Low Fraction	203	206	206	101	101	70.0-130			0.000	25	
(S) 1,4-Bromofluorobenzene	·			97.9	99.8	60.0-140					

















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

Abbreviations and	a 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 resu 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.



















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Pace Analytica	al National	12065 Le	ebanon Rd	Mount Juliet.	, TN 3/122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina 1	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky 16	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	Al30792	Tennessee 1 4	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA - ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234



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

TN00003

EPA-Crypto



















 $^{^* \, \}text{Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.} \\$

C191

CHAIN OF CUSTODY RECORD

Terr	acon	Laboratory: Address:	Pace 12065 Leb			ANAL				DUE	USE ONLY DATE:	
Office Location Lubbock		Phone: Contact:	(800) 767	, TN 37122 -5859							P OF COOLER EN RECEIVED (°C)	
Project Manager Brett Der	nnis	SRS #:		2009-039							Page 1 of	
Sampler's Name Aaron Ad	The same of the sa	Sampler's Sign		In A	Shul	18021)	g				1120 7	211
Project Number AR217008	Project Name DCP #2			No. Type of	Containers	(EPA Method	extende				L138 3	111
Matrix Date Time Q	Identifying Marks of Sample	e(s)	Start Depth End Depth	tedlar bag		втех (ера	TPH 8015 extended				Lab Sample	ID
A 7/27/2021 13:30 X	EFF-1 (07272021)			X		Х	Х				Edb Jampie	
							+	+				
							X					/
1/1								-				/
		_/	N	FE								
$A \longrightarrow$							-	-		/		
TURNAROUND TIME	Normal 48-Hour Rush	24-Hour Rush	TRR	P Laboratory	Review Che	cklist		Yes	□ No			
Relinquished by (Signature)	7-27-21 13:20	Received by (Signature)			Date:	Time:		TES:		lirectly to P	lains Pipeline	
Relinquished by (Signature)	Date: Time:	Received by (Signature)			Date:	Time:	e-n	nail resu		is@terraco	n.com	
Relinquished by (Signature)	Date: Time:	Received by (Signature)			Date:	Time:			algroves@ cjbryant@	paalp.com		
Relinquished by (Signature)	Date: Time:	Received by (Signature)	1		7/29	Time:				paalp.com	1	ok
ontainer		A - Air Bag P/O - Plastic or other	C - Charcoal tube	SL - Sludy	ge.	0900						
	Lubbock Office = 584	7 50th Street	t = Lubb	ock, Texa	s 79424 m	806-	300-01	10				
	Res	sponsive =	Resource	eful m Re	liable							

Sample Receipt Checklist

COC Seal Present/Intact: Y N If Applicable
COC Signed/Accurate: N VOA Zero Headspace: Y N

Bottles arrive intact: N Pres.Correct/Check: Y N

Correct bottles used: N N

Sufficient volume sent: N N

RAD Screen <0.5 mR/hr: Y N

Released to Imaging: 8/3/2022 2:35:28 PM

AMB



Pace Analytical® ANALYTICAL REPORT

September 01, 2021

















Plains All American Pipeline - Terracon

Sample Delivery Group: L1395209 Samples Received: 08/26/2021 Project Number: AR217008 DCP #2 Description:

Report To: **Brett Dennis**

5847 50th St.

Suite 1

Lubbock, TX 79424

Entire Report Reviewed By:

Ayisha Raza

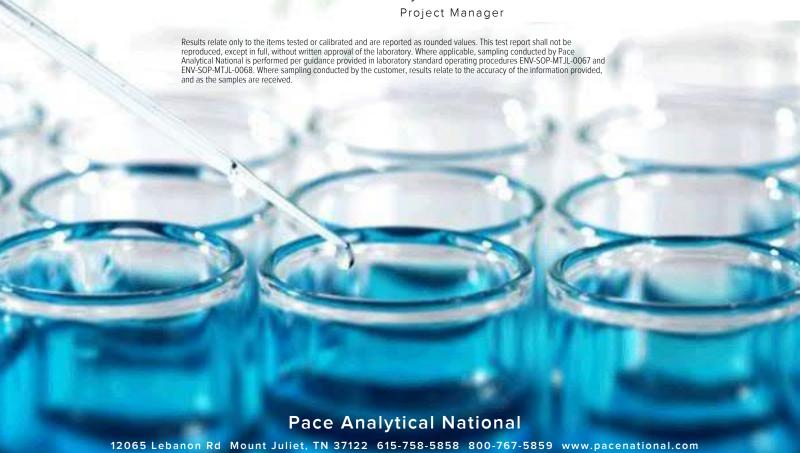


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EFF-1 (08252021) L1395209-01	5
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Volatile Organic Compounds (MS) by Method M18-Mod	6
GI: Glossary of Terms	8
Al: Accreditations & Locations	9
Sc: Sample Chain of Custody	10



















SAMPLE SUMMARY

EFF-1 (08252021) L1395209-01 Air			Collected by Brett Dennis	Collected date/time 08/25/21 12:20	Received date, 08/26/21 09:30	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method M18-Mod	WG1730160	400	08/26/21 22:40	08/26/21 22:40	CEP	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method M18-Mod	WG1730759	2000	08/28/21 02:25	08/28/21 02:25	CEP	Mt. Juliet, TN



















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.



















Ayisha Raza Project Manager

SAMPLE RESULTS - 01

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Collected date/time: 08/25/21 12:20

L1395209

Volatile Organic Compounds (MS) by Method M18-Mod

	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	<u>Batch</u>
Analyte			ppbv	ug/m3	ppbv	ug/m3			
Benzene	71-43-2	78.10	80.0	256	ND	ND		400	WG1730160
Toluene	108-88-3	92.10	1000	3770	81500	307000		2000	WG1730759
Ethylbenzene	100-41-4	106	80.0	347	15800	68500		400	WG1730160
m&p-Xylene	1330-20-7	106	160	694	35400	153000		400	WG1730160
o-Xylene	95-47-6	106	80.0	347	10100	43800		400	WG1730160
Methyl tert-butyl ether	1634-04-4	88.10	80.0	288	ND	ND		400	WG1730160
TPH (GC/MS) Low Fraction	8006-61-9	101	400000	1650000	2390000	9870000		2000	WG1730759
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		113				WG1730160
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		97.4				WG1730759



















Volatile Organic Compounds (MS) by Method M18-Mod

QUALITY CONTROL SUMMARY

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L1395209-01

Method Blank (MB)

(MB) R3697257-3 08/26/2110:37 MB RDL MB Result MB Qualifier MB MDL Analyte ppbv ppbv ppbv Benzene U 0.0715 0.200 U 0.0835 0.200 Ethylbenzene MTBE U 0.0647 0.200 U 0.135 0.400 m&p-Xylene o-Xylene U 0.0828 0.200 (S) 1,4-Bromofluorobenzene 97.1 60.0-140

Ss



Sr

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

(LCS) R3697257-1 08/26/21 09:13 • (LCSD) R3697257-2 08/26/21 09:56 Spike Amount LCS Result LCSD Result LCS Rec. LCSD Rec. Rec. Limits LCS Qualifier LCSD Qualifier RPD **RPD Limits** % % % % Analyte ppbv ppbv ppbv MTBE 3.75 3.99 4.06 106 108 70.0-130 1.74 25 3.75 107 109 25 4.00 4.08 70.0-130 1.98 Benzene Ethylbenzene 3.75 4.09 4.16 109 111 70.0-130 1.70 25 110 111 0.966 25 7.50 8.24 8.32 70.0-130 m&p-Xylene o-Xylene 3.75 4.01 4.09 107 109 70.0-130 1.98 25 (S) 1,4-Bromofluorobenzene 99.0 99.0 60.0-140









QUALITY CONTROL SUMMARY

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Volatile Organic Compounds (MS) by Method M18-Mod

L1395209-01

Method Blank (MB)

(MB) R3697652-3 08/27/2	21 11:11			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ppbv		ppbv	ppbv
Toluene	U		0.0870	0.500
TPH (GC/MS) Low Fraction	U		39.7	200
(S) 1,4-Bromofluorobenzene	87.4			60.0-140







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

(1 (5)	P3697652-1	08/27/21 09:45	(I CSD	D3697652_2	08/27/21 10:28
にしいり	NOUS/USZ=1	00/2//2109.43	LCSD	/ NJUJ/ UJZ-Z	00/2//21 10.20

(200) 100037002 1 00/27	/2100.10 (200	D) 110007002	2 00/2//2110	.20						
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	ppbv	ppbv	ppbv	%	%	%			%	%
Toluene	3.75	4.25	4.14	113	110	70.0-130			2.62	25
TPH (GC/MS) Low Fraction	203	220	218	108	107	70.0-130			0.913	25
(S) 1,4-Bromofluorobenzene	2			92.2	91.1	60.0-140				













Guide to Reading and Understanding Your Laboratory Report

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Abbreviations and Definitions

Appleviations and	
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 resul reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

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



















Pace Analytica	l National	12065 Lebanor	ı Rd Mount Tul	iet TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina 1	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
lowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky 1 6	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	Al30792	Tennessee 1 4	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA - ISO 17025 5	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234



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

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 $^{^* \, \}text{Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.} \\$

F222

CHAIN OF CUSTODY RECORD LAB USE ONLY **ANALYSIS** Laboratory: Pace DUE DATE: lerracon REQUESTED Address: 12065 Lebanon Rd TEMP OF COOLER Mt. Juliet, TN 37122 WHEN RECEIVED (°C) (800) 767-5859 Phone: Lubbock Office Location Page _ 1 _ of _ 1 Contact: 2009-039 SRS #: **Brett Dennis** Project Manager Sampler's Signature **Brett Dennis** Sampler's Name BTEX (EPA Method extended No. Type of Containers Project Name Project Number DCP #2 AR217008 **TPH 8015** tart Depth Comp tedlar Grab Identifying Marks of Sample(s) Time Date Lab Sample ID -01 X EFF-1 (08252021) X 8/25/2021 12:20 COC Seal Present/Intact: Y N TF If Applicable COC Signed/Accurate: VOA Zero Headspace: _ Y N Bottles arrive intact: Pres.Correct/Check: Y N Correct bottles used: Sufficient volume sent: RAD Screen <0.5 mR/hr: ☐ No TRRP Laboratory Review Checklist ☐ Yes 24-Hour Rush Normal 48-Hour Rush TURNAROUND TIME Bill directly to Plains Pipeline eceived by (Signature) NOTES: eived by (Signature) e-mail results to: brett.dennis@terracon.com algroves@paalp.com Received by (Signature) elinquished by (Signature) cjbryant@paalp.com maochoa@paalp.com 8 26/21 0030 Time: telinquished by (Signature) W - Wate S - Soil WW-Wastewater P/O - Plastic or other 250 ml = Glass wide mouth A/G - Amber Glass 11. VOA - 40 ml vial Lubbock Office # 5847 50th Street # Lubbock, Texas 79424 # 806-300-0140

Responsive m Resourceful m Reliable

2829 7635 8741



Pace Analytical® ANALYTICAL REPORT

October 05, 2021





Ss











Plains All American Pipeline - Terracon

Sample Delivery Group: L1411747

Samples Received: 10/01/2021

Project Number: AR217009

Description: DCP Sec. 31 (SRS# 2009-084)

Report To: **Brett Dennis**

5847 50th St.

Suite 1

Lubbock, TX 79424

Entire Report Reviewed By:

Ayisha Raza



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Sc: Sample Chain of Custody	9



















Collected date/time Received date/time

SAMPLE SUMMARY

Collected by

EFF-1 SEC. 31 L1411747-01 Air			Aaron Adams	09/30/21 16:13	10/01/21 09:00	
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Volatile Organic Compounds (MS) by Method M18-Mod	WG1749970	2000	10/01/21 21:18	10/01/21 21:18	CEP	Mt. Juliet, TN



















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.



















Collected date/time: 09/30/21 16:13

SAMPLE RESULTS - 01

L1411747

Volatile Organic Compounds (MS) by Method M18-Mod

	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ug/m3	ppbv	ug/m3			
Benzene	71-43-2	78.10	400	1280	ND	ND		2000	WG1749970
Toluene	108-88-3	92.10	1000	3770	4780	18000		2000	WG1749970
Ethylbenzene	100-41-4	106	400	1730	807	3500		2000	WG1749970
m&p-Xylene	1330-20-7	106	800	3470	6850	29700		2000	WG1749970
o-Xylene	95-47-6	106	400	1730	2440	10600		2000	WG1749970
Methyl tert-butyl ether	1634-04-4	88.10	400	1440	ND	ND		2000	WG1749970
TPH (GC/MS) Low Fraction	8006-61-9	101	400000	1650000	1750000	7230000		2000	WG1749970
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		93.0				WG1749970



















QUALITY CONTROL SUMMARY

Page 177 of 232

L1411747-01

Volatile Organic Compounds (MS) by Method M18-Mod

Method Blank (MB)

(MB) R3711626-3 10/01/21 1	11:49			
	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
m&p-Xylene	0.149	<u>J</u>	0.135	0.400
o-Xylene	U		0.0828	0.200
TPH (GC/MS) Low Fraction	U		39.7	200
(S) 1,4-Bromofluorobenzene	87.0			60.0-140

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

(LCS) R3711626-1 10/01/2	1 10:23 • (LCSD)	R3711626-2 1	10/01/21 11:07								_
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	
Analyte	ppbv	ppbv	ppbv	%	%	%			%	%	
MTBE	3.75	4.04	3.96	108	106	70.0-130			2.00	25	
Benzene	3.75	3.90	3.99	104	106	70.0-130			2.28	25	
Toluene	3.75	4.04	4.03	108	107	70.0-130			0.248	25	
Ethylbenzene	3.75	4.27	4.21	114	112	70.0-130			1.42	25	
m&p-Xylene	7.50	8.91	8.64	119	115	70.0-130			3.08	25	
o-Xylene	3.75	4.39	4.33	117	115	70.0-130			1.38	25	
TPH (GC/MS) Low Fraction	203	246	244	121	120	70.0-130			0.816	25	
(S) 14-Bromofluorobenzene	ρ			93.0	92.8	60 0-140					

















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

Abbreviations an	a 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.
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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.
0 1:6	B:

Qualifier Description

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























Pace Analytical National	12065 Lebanon Rd Mount Juli	et TN 37122
i ace Analytical National	12000 Lebanon Na Mount Jun	JL, IIN J/122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina 1	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky 16	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	Al30792	Tennessee 1 4	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA - ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234



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

TN00003

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 $^{^* \, \}text{Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.} \\$

D155

CHAIN OF CUSTODY RECORD

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	Terracon						Laboratory: ESC Address: 12065 Lebanon Rd					ANALYSIS LAB USE ONLY DUE DATE:						
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Sample Receipt Checklist

COC Seal Present/Intact: Y N If Applicable
COC Signed/Accurate: N VOA Zero Headspace: Y N
Bottles arrive intact: N Pres.Correct/Check: Y N
Sufficient volume sent: N N
Sufficient volume sent: N N
Sufficient volume sent: N N

Amb.

2844 0049 7540

Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Lubbock 6701 Aberdeen Ave. Suite 8

Lubbock, TX 79424 Tel: (806)794-1296

Laboratory Job ID: 820-2917-1

Laboratory Sample Delivery Group: AR207008

Client Project/Site: DCP #2

For:

Terracon Consulting Eng & Scientists 5827 50th St Suite 1 Lubbock, Texas 79424

Attn: Brett Dennis

NEAMER

Authorized for release by: 12/22/2021 1:18:05 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

.....LINKS

Review your project results through

Have a Question?



Visit us at:

www.eurofinsus.com/Env
Released to Imaging: 8/3/2022 2:35:28 PM

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

1

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12

Client: Terracon Consulting Eng & Scientists

Project/Site: DCP #2

Laboratory Job ID: 820-2917-1 SDG: AR207008

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments. QC data that exceed the upper limits and are associated with non-detect samples are qualified but no further narration is needed since the bias is high and does not change a non-detect result. Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Coliform MCLs

· Based on the EPA primary drinking water standard MCL for total coliforms, a water supply is considered bacteriologically "SAFE" if no coliform bacteria are detected. To be considered "SAFE" your report should indicate "<1 cfu/100mL" or "NEG" for the coliform test. If you report indicates a positive result "POS" or a value greater than or equal to one, then your supply is "UNSAFE FOR DRINKING" contact your local health department.

Warranties, Terms, and Conditions

· Analyses for Field Parameters are performed by EQC field staff. Locations and certifications are identified on the Chain of Custody as follows:

ERF = field staff performs tests under NJ State certification #02015 VL = field staff performs tests under NJ State certification #06005 WG = field staff performs tests under NJ State certification #PA001

H = field staff performs tests under NJ NELAP certification #PA093, PA NELAP certification # 46-

05499

- · Test results meet all TNI or other applicable regulatory agency requirements, including holding times and preservation, unless otherwise indicated.
- · The report shall not be reproduced, except in full, without the written consent of the laboratory
- · All samples are collected as "grab" samples unless otherwise identified.
- · Reported results related only to the samples as tested. EQC is not responsible for sample integrity unless sampling has been performed by a member of our staff.
- · EQC is not responsible for sampling and/or testing omissions. Note that regulatory authorities may assess substantial fines for testing omissions. Please track your sample collection schedules and results on a regular basis (e.g. weekly, monthly, or quarterly) to ensure compliance.
- · Eurofins' online data portal "TotalAccess" will provide you with real-time access to collection dates and testing results. Please contact Client Services for further information.
- The following personnel or their deputies have approved the results of the tests performed by EQC: Nicki Smith (Environmental Chemistry) and Jacqueline Gartner (Water Microbiology).

Jessica Kramer

VRAMER

Project Manager

12/22/2021 1:18:05 PM

Page 2 of 21

Client: Terracon Consulting Eng & Scientists Project/Site: DCP #2

Laboratory Job ID: 820-2917-1 SDG: AR207008

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QC Sample Results	11
QC Association Summary	13
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Definitions/Glossary

Client: Terracon Consulting Eng & Scientists Job ID: 820-2917-1 Project/Site: DCP #2

SDG: AR207008

Qualifiers

PQL

QC

RER

RPD

TEF

TEQ

TNTC

RL

PRES

GC VOA	
Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.
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

Eurofins Xenco, Lubbock

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Presumptive

Quality Control

Case Narrative

Client: Terracon Consulting Eng & Scientists

Project/Site: DCP #2

Job ID: 820-2917-1 SDG: AR207008

Job ID: 820-2917-1

Laboratory: Eurofins Xenco, Lubbock

Narrative

Job Narrative 820-2917-1

Receipt

The samples were received on 12/16/2021 9:33 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.5°C

GC VOA

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

Client: Terracon Consulting Eng & Scientists

Job ID: 820-2917-1 SDG: AR207008

Project/Site: DCP #2

Lab Sample ID: 820-2917-1

12/22/21 12:38

Date Collected: 12/15/21 09:47 Date Received: 12/16/21 09:33

Client Sample ID: MW-6

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			12/20/21 17:58	1
Toluene	<0.00200	U	0.00200		mg/L			12/20/21 17:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			12/20/21 17:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			12/20/21 17:58	1
o-Xylene	<0.00200	U	0.00200		mg/L			12/20/21 17:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			12/20/21 17:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			-		12/20/21 17:58	1
1,4-Difluorobenzene (Surr)	73		70 - 130					12/20/21 17:58	1

Client Sample ID: MW-7 Lab Sample ID: 820-2917-2

mg/L

0.00400

<0.00400 U

Date Collected: 12/15/21 10:40 **Matrix: Water**

Date Received: 12/16/21 09:33

Total BTEX

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			12/20/21 18:24	1
Toluene	<0.00200	U	0.00200		mg/L			12/20/21 18:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			12/20/21 18:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			12/20/21 18:24	1
o-Xylene	<0.00200	U	0.00200		mg/L			12/20/21 18:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			12/20/21 18:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130			-		12/20/21 18:24	1
1,4-Difluorobenzene (Surr)	86		70 - 130					12/20/21 18:24	1

	Method: Total BTEX - Total BTEX C	alculation								
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
l	Total BTEX	<0.00400	U	0.00400		mg/L			12/22/21 12:38	1

Lab Sample ID: 820-2917-3 **Client Sample ID: MW-8** Date Collected: 12/15/21 11:24 **Matrix: Water**

Date Received: 12/16/21 09:33

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			12/20/21 18:51	1
Toluene	<0.00200	U	0.00200		mg/L			12/20/21 18:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			12/20/21 18:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			12/20/21 18:51	1
o-Xylene	<0.00200	U	0.00200		mg/L			12/20/21 18:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			12/20/21 18:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130			-		12/20/21 18:51	1
1,4-Difluorobenzene (Surr)	87		70 - 130					12/20/21 18:51	1

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12/22/2021

Client Sample Results

Client: Terracon Consulting Eng & Scientists

Project/Site: DCP #2

Job ID: 820-2917-1 SDG: AR207008

Client Sample ID: MW-8 Lab Sample ID: 820-2917-3 Date Collected: 12/15/21 11:24

Matrix: Water

Method: Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total BTEX <0.00400 U 0.00400 mg/L 12/22/21 12:38

Client Sample ID: MW-2 Lab Sample ID: 820-2917-4

Date Collected: 12/15/21 12:10 **Matrix: Water**

Date Received: 12/16/21 09:33

Date Received: 12/16/21 09:33

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			12/20/21 19:17	1
Toluene	<0.00200	U	0.00200		mg/L			12/20/21 19:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			12/20/21 19:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			12/20/21 19:17	1
o-Xylene	<0.00200	U	0.00200		mg/L			12/20/21 19:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			12/20/21 19:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130			-		12/20/21 19:17	1
1,4-Difluorobenzene (Surr)	83		70 - 130					12/20/21 19:17	1

motification by Ext. Total billion	aloulation						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400 U	0.00400	mg/L			12/22/21 12:38	1

Client Sample ID: MW-3 Lab Sample ID: 820-2917-5 Date Collected: 12/15/21 12:51 **Matrix: Water**

Date Received: 12/16/21 09:33

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			12/20/21 19:43	1
Toluene	<0.00200	U	0.00200		mg/L			12/20/21 19:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			12/20/21 19:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			12/20/21 19:43	1
o-Xylene	<0.00200	U	0.00200		mg/L			12/20/21 19:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			12/20/21 19:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	973	S1+	70 - 130			-		12/20/21 19:43	1
1,4-Difluorobenzene (Surr)	918	S1+	70 - 130					12/20/21 19:43	1
- Method: Total BTEX - Total BT	EX Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/L			12/22/21 12:38	

0.00400 Client Sample ID: MW-4 Lab Sample ID: 820-2917-6

Date Collected: 12/15/21 14:00 Date Received: 12/16/21 09:33

Method: 8021B - Volatile Organic C	compounds ((GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			12/20/21 20:10	1
Toluene	< 0.00200	U	0.00200		mg/L			12/20/21 20:10	1

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Matrix: Water

Client Sample Results

Client: Terracon Consulting Eng & Scientists

Date Received: 12/16/21 09:33

Project/Site: DCP #2

Client Sample ID: MW-4 Lab Sample ID: 820-2917-6 Date Collected: 12/15/21 14:00

Matrix: Water

Job ID: 820-2917-1

SDG: AR207008

Method: 8021B - Volatile Organic Compounds (GC) (Continued)
- · · · - · · · · · · · · · · · · · · ·

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/L			12/20/21 20:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			12/20/21 20:10	1
o-Xylene	<0.00200	U	0.00200		mg/L			12/20/21 20:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			12/20/21 20:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83	70 - 130		12/20/21 20:10	1
1,4-Difluorobenzene (Surr)	81	70 - 130		12/20/21 20:10	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/L			12/22/21 12:38	1

Client Sample ID: MW-5 Lab Sample ID: 820-2917-7 Date Collected: 12/15/21 14:39 Matrix: Water

Date Received: 12/16/21 09:33

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/L			12/20/21 20:37	1
Toluene	<0.00200	U	0.00200	mg/L			12/20/21 20:37	1
Ethylbenzene	<0.00200	U	0.00200	mg/L			12/20/21 20:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/L			12/20/21 20:37	1
o-Xylene	<0.00200	U	0.00200	mg/L			12/20/21 20:37	1
Xylenes, Total	<0.00400	U	0.00400	mg/L			12/20/21 20:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130		12/20/21 20:37	1
1,4-Difluorobenzene (Surr)	85		70 - 130		12/20/21 20:37	1

Method. Total BTEX - Total BTEX C	aiculation						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400 U	0.00400	mg/L			12/22/21 12:38	1

Client Sample ID: DUP-1 Lab Sample ID: 820-2917-8 Date Collected: 12/15/21 00:00 **Matrix: Water**

Date Received: 12/16/21 09:33

Wethou. 002 ID - Volatile Orga	inic compounds	(00)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			12/20/21 21:04	1
Toluene	<0.00200	U	0.00200		mg/L			12/20/21 21:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			12/20/21 21:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			12/20/21 21:04	1
o-Xylene	<0.00200	U	0.00200		mg/L			12/20/21 21:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			12/20/21 21:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130			-		12/20/21 21:04	1
1 4-Difluorobenzene (Surr)	81		70 - 130					12/20/21 21:04	1

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Date Collected: 12/15/21 00:00

Date Received: 12/16/21 09:33

Client Sample Results

Client: Terracon Consulting Eng & Scientists

Project/Site: DCP #2

Job ID: 820-2917-1 SDG: AR207008

Client Sample ID: DUP-1 Lab Sample ID: 820-2917-8

Matrix: Water

Method: Total BTEX - Total BTEX Calculation

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Total BTEX
 <0.00400</td>
 U
 0.00400
 mg/L
 12/22/21 12:38
 1

5

7

8

10

10

13

Surrogate Summary

Client: Terracon Consulting Eng & Scientists

Job ID: 820-2917-1 Project/Site: DCP #2 SDG: AR207008

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water Prep Type: Total/NA

_				Percen
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
820-2917-1	MW-6	101	73	
820-2917-1 MS	MW-6	84	93	
820-2917-1 MSD	MW-6	82	90	
820-2917-2	MW-7	89	86	
820-2917-3	MW-8	89	87	
820-2917-4	MW-2	88	83	
820-2917-5	MW-3	973 S1+	918 S1+	
820-2917-6	MW-4	83	81	
820-2917-7	MW-5	91	85	
820-2917-8	DUP-1	94	81	
LCS 880-15046/3	Lab Control Sample	107	77	
LCSD 880-15046/4	Lab Control Sample Dup	86	78	
MB 880-15046/8	Method Blank	55 S1-	84	
Surrogate Legend				

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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QC Sample Results

Client: Terracon Consulting Eng & Scientists

Project/Site: DCP #2

Job ID: 820-2917-1 SDG: AR207008

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-15046/8

Matrix: Water

Analysis Batch: 15046

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MR							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			12/20/21 17:31	1
Toluene	<0.00200	U	0.00200		mg/L			12/20/21 17:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			12/20/21 17:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			12/20/21 17:31	1
o-Xylene	<0.00200	U	0.00200		mg/L			12/20/21 17:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			12/20/21 17:31	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	55	S1-	70 - 130		12/20/21 17:31	1
1,4-Difluorobenzene (Surr)	84		70 - 130		12/20/21 17:31	1

Lab Sample ID: LCS 880-15046/3

Matrix: Water

Analysis Batch: 15046

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08141		mg/L		81	70 - 130	
Toluene	0.100	0.07634		mg/L		76	70 - 130	
Ethylbenzene	0.100	0.08392		mg/L		84	70 - 130	
m-Xylene & p-Xylene	0.200	0.1654		mg/L		83	70 - 130	
o-Xylene	0.100	0.08282		mg/L		83	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	77		70 - 130

Lab Sample ID: LCSD 880-15046/4

Matrix: Water

Analysis Batch: 15046

Client Sample ID: Lab	Control Sample Dup
	Prep Type: Total/NA

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09447		mg/L		94	70 - 130	15	20
Toluene	0.100	0.08363		mg/L		84	70 - 130	9	20
Ethylbenzene	0.100	0.08803		mg/L		88	70 - 130	5	20
m-Xylene & p-Xylene	0.200	0.1728		mg/L		86	70 - 130	4	20
o-Xylene	0.100	0.09154		mg/L		92	70 - 130	10	20

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	86		70 - 130
1.4-Difluorobenzene (Surr)	78		70 - 130

Lab Sample ID: 820-2917-1 MS

Matrix: Water

Analysis Batch: 15046

Client Sample ID: MW-6 Prep Type: Total/NA

_	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.100	0.1056		mg/L		106	70 - 130	
Toluene	<0.00200	U	0.100	0.08457		mg/L		85	70 - 130	

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QC Sample Results

Client: Terracon Consulting Eng & Scientists

Project/Site: DCP #2

Job ID: 820-2917-1

SDG: AR207008

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 820-2917-1 MS

Matrix: Water

Analysis Batch: 15046

Client Sample ID: MW-6 Prep Type: Total/NA

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00200	U	0.100	0.07913		mg/L		79	70 - 130	
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1511		mg/L		75	70 - 130	
o-Xylene	<0.00200	U	0.100	0.08179		mg/L		82	70 - 130	

MS MS

Surrogate	%Recovery Qualifi	er Limits
4-Bromofluorobenzene (Surr)	84	70 - 130
1,4-Difluorobenzene (Surr)	93	70 - 130

Client Sample ID: MW-6

Prep Type: Total/NA

Matrix: Water Analysis Batch: 15046

Lab Sample ID: 820-2917-1 MSD

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.1078		mg/L		108	70 - 130	2	25
Toluene	<0.00200	U	0.100	0.08803		mg/L		88	70 - 130	4	25
Ethylbenzene	<0.00200	U	0.100	0.08362		mg/L		84	70 - 130	6	25
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1626		mg/L		81	70 - 130	7	25
o-Xylene	<0.00200	U	0.100	0.08955		mg/L		90	70 - 130	9	25

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	82		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

QC Association Summary

Client: Terracon Consulting Eng & Scientists

Job ID: 820-2917-1

Project/Site: DCP #2

SDG: AR207008

GC VOA

Analysis Batch: 15046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-2917-1	MW-6	Total/NA	Water	8021B	
820-2917-2	MW-7	Total/NA	Water	8021B	
820-2917-3	MW-8	Total/NA	Water	8021B	
820-2917-4	MW-2	Total/NA	Water	8021B	
820-2917-5	MW-3	Total/NA	Water	8021B	
820-2917-6	MW-4	Total/NA	Water	8021B	
820-2917-7	MW-5	Total/NA	Water	8021B	
820-2917-8	DUP-1	Total/NA	Water	8021B	
MB 880-15046/8	Method Blank	Total/NA	Water	8021B	
LCS 880-15046/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-15046/4	Lab Control Sample Dup	Total/NA	Water	8021B	
820-2917-1 MS	MW-6	Total/NA	Water	8021B	
820-2917-1 MSD	MW-6	Total/NA	Water	8021B	

Analysis Batch: 15380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-2917-1	MW-6	Total/NA	Water	Total BTEX	
820-2917-2	MW-7	Total/NA	Water	Total BTEX	
820-2917-3	MW-8	Total/NA	Water	Total BTEX	
820-2917-4	MW-2	Total/NA	Water	Total BTEX	
820-2917-5	MW-3	Total/NA	Water	Total BTEX	
820-2917-6	MW-4	Total/NA	Water	Total BTEX	
820-2917-7	MW-5	Total/NA	Water	Total BTEX	
820-2917-8	DUP-1	Total/NA	Water	Total BTEX	

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Client Sample ID: MW-6 Date Collected: 12/15/21 09:47 Date Received: 12/16/21 09:33

Lah Sample ID: 820-2917-1

Lab	Sample	ID. 020-2917-1	
		Matrix: Water	

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	15046	12/20/21 17:58	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15380	12/22/21 12:38	AJ	XEN MID

Client Sample ID: MW-7 Lab Sample ID: 820-2917-2

Date Collected: 12/15/21 10:40 Date Received: 12/16/21 09:33

Matrix: Water

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	15046	12/20/21 18:24	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15380	12/22/21 12:38	AJ	XEN MID

Client Sample ID: MW-8 Lab Sample ID: 820-2917-3

Date Collected: 12/15/21 11:24 Date Received: 12/16/21 09:33

Matrix: Water

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	15046	12/20/21 18:51	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15380	12/22/21 12:38	AJ	XEN MID

Client Sample ID: MW-2 Lab Sample ID: 820-2917-4

Date Collected: 12/15/21 12:10 **Matrix: Water** Date Received: 12/16/21 09:33

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Analysis 8021B 5 mL 5 mL 15046 12/20/21 19:17 KL XEN MID Total/NA Analysis Total BTEX 1 15380 12/22/21 12:38 AJ XEN MID

Client Sample ID: MW-3 Lab Sample ID: 820-2917-5

Date Collected: 12/15/21 12:51 **Matrix: Water** Date Received: 12/16/21 09:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	15046	12/20/21 19:43	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15380	12/22/21 12:38	AJ	XEN MID

Client Sample ID: MW-4 Lab Sample ID: 820-2917-6

Date Collected: 12/15/21 14:00 **Matrix: Water** Date Received: 12/16/21 09:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	15046	12/20/21 20:10	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15380	12/22/21 12:38	AJ	XEN MID

Eurofins Xenco, Lubbock

Lab Chronicle

Client: Terracon Consulting Eng & Scientists

Project/Site: DCP #2

SDG: AR207008

Job ID: 820-2917-1

Client Sample ID: MW-5

Date Received: 12/16/21 09:33

Lab Sample ID: 820-2917-7 Date Collected: 12/15/21 14:39

Matrix: Water

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	15046	12/20/21 20:37	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15380	12/22/21 12:38	AJ	XEN MID

Client Sample ID: DUP-1 Lab Sample ID: 820-2917-8

Date Collected: 12/15/21 00:00 Date Received: 12/16/21 09:33

Matrix: Water

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	15046	12/20/21 21:04	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15380	12/22/21 12:38	AJ	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Terracon Consulting Eng & Scientists

Job ID: 820-2917-1 Project/Site: DCP #2 SDG: AR207008

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-21-22	06-30-22
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the agency does not of		it the laboratory is not certili	ed by the governing authority. This list ma	ay include analytes to
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Method Summary

Client: Terracon Consulting Eng & Scientists

Project/Site: DCP #2

Job ID: 820-2917-1

SDG: AR207008

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
5030B	Purge and Trap	SW846	XEN MID

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates. TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Lubbock

Released to Imaging: 8/3/2022 2:35:28 PM

Sample Summary

Client: Terracon Consulting Eng & Scientists

Project/Site: DCP #2

Job ID: 820-2917-1
SDG: AR207008

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
820-2917-1	MW-6	Water	12/15/21 09:47	12/16/21 09:33
820-2917-2	MW-7	Water	12/15/21 10:40	12/16/21 09:33
820-2917-3	MW-8	Water	12/15/21 11:24	12/16/21 09:33
820-2917-4	MW-2	Water	12/15/21 12:10	12/16/21 09:33
820-2917-5	MW-3	Water	12/15/21 12:51	12/16/21 09:33
820-2917-6	MW-4	Water	12/15/21 14:00	12/16/21 09:33
820-2917-7	MW-5	Water	12/15/21 14:39	12/16/21 09:33
820-2917-8	DUP-1	Water	12/15/21 00:00	12/16/21 09:33

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12/15/2021 12:30 X	12/15/2021 12:50 X		12/15/2021	11:24	×			MW-8			3			×				
12/15/2021 14:30 X	12/15/2021 14:39 X		12/15/2021	12:10	×			MW-2			3			×				
12/15/2021 14:39 X	12/15/2021 14:39 X		12/15/2021	12:51	×			MW-3			3			×				
12/15/2021	12/15/2021		12/15/2021	14:00	×			MW-4			3			×				
12/15/2021 X	12/15/2021 X			14:39	×			MW-5			3			×				
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WWW Wastewater W - Water 5 - Soll L - Liquid A - Air Bag C Charcol Tube VDA - Anni Val A/G - Amber Glav II 250 ml = Glass wide mouth P/O - Pastic er other	WWW.Wantewater S : Soil VOA. 40 mi vuit A/G - Amber 6lass 11 250 mi - Glass wide mouth Lubbock Office ■	Relinquish	ned by (Signature)				Date:	Time:	Received by (Signature	7		Date:	Ē			YD@TERR/ .ADAMS@1	ACON.COM TERRACON.CO	WO
	Lubbock Office	Matrix	WW-Waste VOA: 40 ml	twater I vial	W · W.	Vater Amber Glass 11	\$ - Soil 250 ml = Gla			C Charcoal t		St Sludge						
	H							L				1						

Loc: 820

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 820-2917-1 SDG Number: AR207008

List Source: Eurofins Xenco, Lubbock

Login Number: 2917 List Number: 1

Creator: Ruggles, Ashley

Question Answer Comment The cooler's custody seal, if present, is intact. N/A N/A Sample custody seals, if present, are intact. The cooler or samples do not appear to have been compromised or True tampered with. Samples were received on ice. True True Cooler Temperature is acceptable. 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 True HTs) Sample containers have legible labels. True Containers are not broken or leaking. True Sample collection date/times are provided. True 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 True MS/MSDs Containers requiring zero headspace have no headspace or bubble is True

Released to Imaging: 8/3/2022 2:35:28 PM

<6mm (1/4").

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 820-2917-1

SDG Number: AR207008

List Source: Eurofins Xenco, Midland

List Creation: 12/17/21 01:55 PM

Creator: Kramer, Jessica

Login Number: 2917

List Number: 2

<6mm (1/4").

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.	True	
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.	True	
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	True	



Pace Analytical® ANALYTICAL REPORT

November 01, 2021



















Plains All American Pipeline - Terracon

Sample Delivery Group: L1423937 Samples Received: 10/29/2021 Project Number: AR217008

Description: DCP #2 (SRS# 2009-039)

Report To: **Brett Dennis**

5847 50th St.

Suite 1

Lubbock, TX 79424

Entire Report Reviewed By:

Ayisha Raza

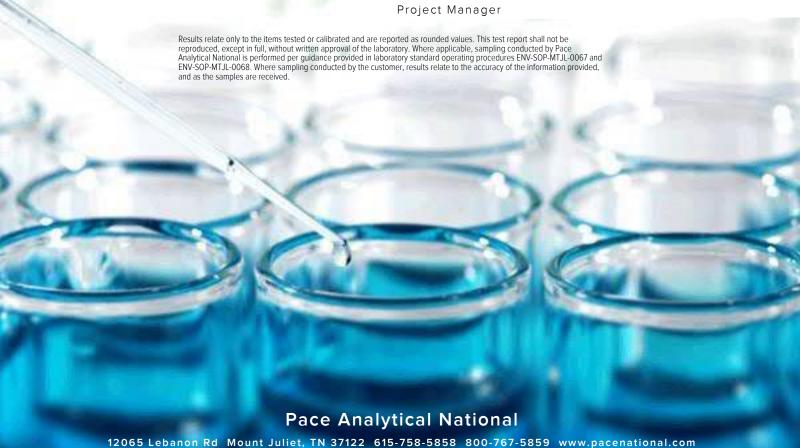


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Sr: Sample Results	5
EFF-1 (10282021) L1423937-01	5
Qc: Quality Control Summary	6
Volatile Organic Compounds (MS) by Method M18-Mod	6
GI: Glossary of Terms	7
Al: Accreditations & Locations	8
Sc: Sample Chain of Custody	9



















SAMPLE SUMMARY

EFF-1 (10282021) L1423937-01 Air			Collected by Aaron Adams	Collected date/time 10/28/21 11:05	Received date 10/29/21 09:00	
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Volatile Organic Compounds (MS) by Method M18-Mod	WG1765786	2000	10/30/21 00:13	10/30/21 00:13	FKG	Mt. Juliet, TN



















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.



















SAMPLE RESULTS - 01 Page 206 of 232

Collected date/time: 10/28/21 11:05

L1423937

Volatile Organic Compounds (MS) by Method M18-Mod

	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	<u>Batch</u>
Analyte			ppbv	ug/m3	ppbv	ug/m3			
Benzene	71-43-2	78.10	400	1280	2890	9230		2000	WG1765786
Toluene	108-88-3	92.10	1000	3770	52600	198000		2000	WG1765786
Ethylbenzene	100-41-4	106	400	1730	9840	42700		2000	WG1765786
m&p-Xylene	1330-20-7	106	800	3470	24000	104000		2000	WG1765786
o-Xylene	95-47-6	106	400	1730	6390	27700		2000	WG1765786
Methyl tert-butyl ether	1634-04-4	88.10	400	1440	ND	ND		2000	WG1765786
TPH (GC/MS) Low Fraction	8006-61-9	101	400000	1650000	1650000	6820000		2000	WG1765786
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		98.6				WG1765786



















Volatile Organic Compounds (MS) by Method M18-Mod

QUALITY CONTROL SUMMARY

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L1423937-01

Method Blank (MB)

(MB) R3723323-3 10/29/2110:46 MB RDL MB Result MB Qualifier MB MDL Analyte ppbv ppbv ppbv Benzene U 0.0715 0.200 U 0.0835 0.200 Ethylbenzene MTBE U 0.0647 0.200 Toluene U 0.0870 0.500 m&p-Xylene U 0.135 0.400 U o-Xylene 0.0828 0.200 TPH (GC/MS) Low Fraction U 39.7 200 (S) 1,4-Bromofluorobenzene 96.7 60.0-140







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

(LCS) R3723323-1 10/29/21 09:25 • (LCSD) R3723323-2 10/29/21 10:06

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	ppbv	ppbv	ppbv	%	%	%			%	%
MTBE	3.75	4.54	4.57	121	122	70.0-130			0.659	25
Benzene	3.75	4.56	4.59	122	122	70.0-130			0.656	25
Toluene	3.75	4.58	4.61	122	123	70.0-130			0.653	25
Ethylbenzene	3.75	4.75	4.77	127	127	70.0-130			0.420	25
m&p-Xylene	7.50	9.50	9.53	127	127	70.0-130			0.315	25
o-Xylene	3.75	4.58	4.62	122	123	70.0-130			0.870	25
TPH (GC/MS) Low Fraction	203	243	245	120	121	70.0-130			0.820	25

60.0-140









(S) 1,4-Bromofluorobenzene

98.7

99.0

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

Appleviations and	a Delinitions
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 resul reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

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





















Pace Analytical National	12065 Lebanon Ro	1 Mount Juliet	TN 37122
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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 ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina 1	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky 16	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	Al30792	Tennessee 1 4	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA - ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234



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

TN00003

EPA-Crypto



















 $^{^* \, \}text{Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.} \\$

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VOA - 40 ml viz	al	A/G	- Amber Glass	11. 250 ml	= Glass wide mouth	P/0 - Plastic or other				40.5							70-



Pace Analytical® ANALYTICAL REPORT

December 03, 2021



















Plains All American Pipeline - Terracon

Sample Delivery Group: L1436391 Samples Received: 12/01/2021 Project Number: AR217008 DCP #2 Description:

Report To: **Brett Dennis**

5847 50th St.

Suite 1

Lubbock, TX 79424

Project Manager

Entire Report Reviewed By:

Chris McCord

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

Cp: Cover Page	1
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Al: Accreditations & Locations	9
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SAMPLE SUMMARY

EFF-1 (11302021) L1436391-01 Air			Collected by Brett Dennis	Collected date/time 11/30/21 13:00	Received date 12/01/21 10:00	
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Volatile Organic Compounds (MS) by Method M18-Mod	WG1783045	400	12/02/21 14:26	12/02/21 14:26	FKG	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method M18-Mod	WG1783670	8000	12/02/21 19:50	12/02/21 19:50	DAH	Mt. Juliet, TN



















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.



















Chris McCord Project Manager

SAMPLE RESULTS - 01

Page 215 of 232

Collected date/time: 11/30/21 13:00

Volatile Organic Compounds (MS) by Method M18-Mod

	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ug/m3	ppbv	ug/m3			
Benzene	71-43-2	78.10	80.0	256	6900	22000		400	WG1783045
Toluene	108-88-3	92.10	4000	15100	113000	426000		8000	WG1783670
Ethylbenzene	100-41-4	106	80.0	347	19300	83700		400	WG1783045
m&p-Xylene	1330-20-7	106	160	694	44000	191000		400	WG1783045
o-Xylene	95-47-6	106	80.0	347	11900	51600		400	WG1783045
TPH (GC/MS) Low Fraction	8006-61-9	101	1600000	6610000	4650000	19200000		8000	WG1783670
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		104				WG1783045
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		97.2				WG1783670



















QUALITY CONTROL SUMMARY

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L1436391-01

Volatile Organic Compounds (MS) by Method M18-Mod

Method Blank (MB)

(MB) R3736321-3 12/02/21	10:13			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ppbv		ppbv	ppbv
Benzene	U		0.0715	0.200
Ethylbenzene	U		0.0835	0.200
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	90.6			60.0-140











LCS) R3736321-1 12/02/21 08:50 • (LCSD) R3736321-2 12/02/21 09:32											
	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	4.42	4.50	118	120	70.0-130			1.79	25	
Ethylbenzene	3.75	4.53	4.49	121	120	70.0-130			0.887	25	
m&p-Xylene	7.50	9.08	9.09	121	121	70.0-130			0.110	25	
o-Xylene	3.75	4.45	4.50	119	120	70.0-130			1.12	25	
(S) 1,4-Bromofluorobenzen	e			91.8	92.1	60.0-140					











Volatile Organic Compounds (MS) by Method M18-Mod

QUALITY CONTROL SUMMARY

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L1436391-01

Method Blank (MB)

(MB) R3736663-3 12/02/21 10:13

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ppbv		ppbv	ppbv
Toluene	U		0.0870	0.500
TPH (GC/MS) Low Fraction	U		39.7	200
(S) 1,4-Bromofluorobenzene	90.6			60.0-140







⁴ Cn



(LCS) R3736663-1 12/02/21 08:50 • (LCSD) R3736663-2 12/02/21 09:32

(ECS) 1(3730003 1 12/02/2	1 00.50 - (ECSE	<i>3)</i> 1(3730003 2	12/02/2105.5	2						
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	ppbv	ppbv	ppbv	%	%	%			%	%
Toluene	3.75	4.62	4.58	123	122	70.0-130			0.870	25
TPH (GC/MS) Low Fraction	203	254	255	125	126	70.0-130			0.393	25
(S) 1,4-Bromofluorobenzene				91.8	92.1	60.0-140				













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

Abbreviations and	d 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 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.























Pace Analytical National	12065 Lebanon Rd Mount Ju	uliet TN 37122
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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 ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina 1	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
lowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	Al30792	Tennessee 1 4	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA - ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234



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

TN00003

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 $^{^* \, \}text{Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.} \\$

H159

Office Location	Lubbock	econ	Laboratory: Address:	Pace 12065 Lebanon Mt. Juliet, TN 37	Rd 7122	ANALYSIS REQUESTED	IAIN OF CUSTOD	LAB USE ONLY DUE DATE:
Project Manager Sampler's Name	Brett Denni	is .	Phone: Contact:	(800) 767-5859				TEMP OF COOLER WHEN RECEIVED (°C)
Project Number	Brett Dennis		SRS #: Sampler's Sign	2009-0	39	1)		Page <u>1</u> of <u>1</u>
AR21700		Project Name	OCP #2	No. Ty	pe of Containers	Method 8021) extended		1436391
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f by (Signature)		Date: Time:	Received by (Signature)	<u> </u>	12/1/21 To	100 CO NOTES	: Bill dire	ectly to Plains Pipeline
by (Signature)		Date: Time:	Received by (Signature)		Date: Time			@terracon.com
WW-Wastewater	W - Water	Time:	Received by (Signature)		Date: Time		algroves@pa cibryant@pa maochoa@pa	alp.com
VOA - 40 ml vial	A/G - Amber Glass 1	250 mi = Glass wide mouth	P/O - Pleast	St Studge			200000000000000000000000000000000000000	renp.com
		Lubbock Office # 58	847 50th Street L	ubbock, Texas	79424 = 80	DE 200 0440	286 8	55-12/15L
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Released to Imaging: 8/3/2022 2:35:28 PM



Pace Analytical® ANALYTICAL REPORT

December 30, 2021





Ss













Plains All American Pipeline - Terracon

Sample Delivery Group: L1444526 Samples Received: 12/21/2021 Project Number: AR217008

Description: DCP #2 (SRS# 2009-039)

Report To: **Brett Dennis**

5847 50th St.

Suite 1

Lubbock, TX 79424

Project Manager

Entire Report Reviewed By:

Chris McCord

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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GI: Glossary of Terms	7
Al: Accreditations & Locations	8
Sc: Sample Chain of Custody	9





















SAMPLE SUMMARY

EFF-1 (12202021) L1444526-01 Air			Collected by Aaron Adams	Collected date/time 12/20/21 08:06	Received date 12/21/21 10:15	/time
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Volatile Organic Compounds (MS) by Method M18-Mod	WG1792997	2000	12/21/21 15:56	12/21/21 15:56	FKG	Mt. Juliet, TN



















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SAMPLE RESULTS - 01

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Collected date/time: 12/20/21 08:06

Volatile Organic Compounds (MS) by Method M18-Mod

	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch	
Analyte			ppbv	ug/m3	ppbv	ug/m3				
Benzene	71-43-2	78.10	400	1280	ND	ND		2000	WG1792997	
Toluene	108-88-3	92.10	1000	3770	2360	8890		2000	WG1792997	
Ethylbenzene	100-41-4	106	400	1730	ND	ND		2000	WG1792997	
m&p-Xylene	1330-20-7	106	800	3470	3080	13400		2000	WG1792997	
o-Xylene	95-47-6	106	400	1730	1060	4600		2000	WG1792997	
TPH (GC/MS) Low Fraction	8006-61-9	101	400000	1650000	1160000	4790000		2000	WG1792997	
(S) 1.4-Bromofluorobenzene	460-00-4	175	60.0-140		95.7				WG1792997	



















QUALITY CONTROL SUMMARY

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L1444526-01

Volatile Organic Compounds (MS) by Method M18-Mod

Method Blank (MB)

(S) 1,4-Bromofluorobenzene

(MB) R3743611-3 12/21/21 1	0:22			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ppbv		ppbv	ppbv
Benzene	U		0.0715	0.200
Ethylbenzene	U		0.0835	0.200
Toluene	U		0.0870	0.500
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
TPH (GC/MS) Low Fraction	U		39.7	200
(S) 1,4-Bromofluorobenzene	94.4			60.0-140

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

95.8

94.6

	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	4.35	4.37	116	117	70.0-130			0.459	25	
Toluene	3.75	4.37	4.42	117	118	70.0-130			1.14	25	
Ethylbenzene	3.75	4.31	4.34	115	116	70.0-130			0.694	25	
m&p-Xylene	7.50	8.68	8.75	116	117	70.0-130			0.803	25	
o-Xylene	3.75	4.26	4.30	114	115	70.0-130			0.935	25	
ΓΡΗ (GC/MS) Low Fraction	203	241	243	119	120	70.0-130			0.826	25	

60.0-140



















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Abbreviations and Definitions

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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.
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Qualifier Description

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

¹Cp

Ср

















Pace Analytical National	12065 Lebanon Ro	1 Mount Juliet	TN 37122
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r acc r many mount ramontal			
Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
lowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky ¹⁶	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	Al30792	Tennessee 1 4	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234



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

TN00003

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 $^{^* \, \}text{Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.} \\$

E100

						Laboratory:	ESC			ANA	ANALYSIS				LAB USE ONLY		
	26		=			Address: 1206		12065 Lebanon Rd Mt. Juliet, TN 37122			REQ	UESTI	D	46.7	Ď:	that Day 1987	DUE DATE:
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oject Manager Brett Dennis			SRS #:	2009-039						rage _1_0		4-77/May 5,240					
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8088 3753 6198 AMb.

. Sample Receipt			
COC Seal Present/Intact: Y N COC Signed/Accurate: N Bottles arrive intact: N Correct bottles used: N Sufficient volume sent: N	If Applicable VOA Zero Headspace: Pres.Correct/Check:	Y_	_N _N

APPENDIX E

Terracon Standard of Care, Limitation, and Reliance

Standard of Care

Terracon's services will be performed in a manner consistent with generally-accepted practices of the profession undertaken in similar studies in the same geographical area during the same time period. Terracon makes no warranties, either express or implied, regarding the findings, conclusions or recommendations. Please note that Terracon does not warrant the work of laboratories, regulatory agencies or other third parties supplying information used in the preparation of the report. These services were performed in accordance with the scope of work agreed with you, our client, as set forth in our proposal and were not intended to be in strict conformance with ASTM E1903-11.

Additional Scope Limitations

Findings, conclusions and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work; such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, non-detectable or not present during these services, and we cannot represent that the Site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during this confirmation sampling. Subsurface conditions may vary from those encountered at specific borings or wells or during other surveys, tests, assessments, investigations or exploratory services; the data, interpretations, findings, and our recommendations are based solely upon data obtained at the time and within the scope of these services.

Reliance

This report has been prepared for the exclusive use of Plains All American Pipeline LP; and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization of Plains All American Pipeline LP and Terracon. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions and limitations stated in the Master Services Agreement (026450-04810-PMLP.2.17), dated August 3, 2011, between Terracon and Plains All American Pipeline LP. The limitation of liability defined in the Terms and Conditions is the aggregate limit of Terracon's liability to the client and all relying parties unless otherwise agreed in writing.

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

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

CONDITIONS

Action 93363

CONDITIONS

Operator:	OGRID:
PLAINS MARKETING L.P.	34053
333 Clay Street Suite 1900	Action Number:
Houston, TX 77002	93363
	Action Type:
	[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Review of 2021 ANNUAL GROUNDWATER MONITORING REPORT: Content satisfactory Contractor anticipated actions approved by NMOCD and are as follows; 1. Continue quarterly gauging, purging, and sampling from MW-2 through MW-8 for the presence of PSH and BTEX 2. Continue PSH recovery by SVE from monitoring well MW-1, with emission sampling events occurring monthly 3. Continue monthly manual PSH recovery, if applicable, from MW-1 4. Continue monthly recovery of hydrocarbon impacted groundwater from MW-5 5. Submit annual report to NMOCD no later than March 31, 2023.	8/3/2022