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REVIEWED By Mike Buchanan at 11:01 am, Jul 26, 2023

2022 Annual Groundwater MW-1R, MW-2R, MW 4. Install an ORC sock 5. Submit the 2023 Ar Groundwater Report 22. Continue off-site m Goff Dairy and JW Ho 3. Inspect and replace socks as necessary in MW-1R, MW-2R, MW 4. Install an ORC sock 5. Submit the 2023 Ar Groundwater Report 2024.

Groundwater Report: **Content Satisfactory** 1. Continue groundwater monitoring on a quarterly basis for all site monitoring wells. 2. Continue off-site monitoring for Goff Dairy and JW House locations. 3. Inspect and replace ORC filter socks as necessary in MW-3R, MW-1R, MW-2R, MW-4R, MW-12. 4. Install an ORC sock in MW-5R. 5. Submit the 2023 Annual Groundwater Report by April 1,

Review of the 2022 Annual

Lovington Gathering WTI Plains SRS #2006-142 Lea County, New Mexico NMOCD Abatement Plan No. AP-96 Incident ID # nAPP2108928398

Plains Pipeline, L.P.

March 15, 2023

The Power of Commitment

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Appendices

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1. Introduction

GHD Services Inc. (GHD), on behalf of Plains Pipeline, L.P. (Plains) submits this *2022 Annual Groundwater Monitoring Report* in compliance with New Mexico Oil Conservation Division requirements. This report provides the quarterly results of groundwater sampling events and remediation activities at Lovington Gathering WTI (Site) during 2022. Quarterly groundwater monitoring events were performed on February 7 - 8, 2022, May 11, 2022, August 9 - 10, 2022, and November 21, 2022.

1.1 Site History

This Site is located approximately 6.5 miles southeast of Lovington and in the SE ¼, NE ¼, Section 6, Township 17 South, Range 37 East in Lea County, New Mexico. The coordinates of this Site are 32.8649° N and 103.2853°W. The pasture affected by the release is owned by Mr. Robert Rice. The location of the Site is shown on Figure 1. A detailed map of the Site is provided on Figure 2.

A crude oil release occurred on April 21, 2006, during purging of the Plains 6-inch Lovington Gathering WTI Pipeline and resulted due to internal corrosion. At the time the Release was discovered, it was estimated approximately 12 barrels (bbls) of crude oil were released with a surface impact extent of approximately 1,500 square feet (ft²). On April 26, 2006, an Initial Release Notification and Corrective Action, Form C-141 was submitted to the New Mexico Oil Conservation Division (NMOCD) and was assigned Abatement Plan (AP) No. AP-96. A copy of the Release Notification and Corrective Action, Form C-141 is attached as Appendix A. Remedial action began the same day with approximately eight (8) bbls of crude oil being recovered. Basin Environmental Service Technologies, LLC (Basin) was notified by Plains to respond, repair the pipeline, and excavate impacted soil. The pipeline was repaired using a clamp, and visually stained soil was excavated and placed on plastic sheeting. Excavation activities during the response and subsequent remediation of the Site covered an area approximately 30 feet (ft.) long by 27 ft. wide and approximately 5 - 6 ft. below ground surface (bgs). On April 21, 2006, Basin assumed project management and was responsible for the Site's groundwater remediation responsibilities. GHD assumed Site groundwater project management and remediation responsibilities on October 1, 2016. Results of groundwater monitoring events prior to October 1, 2016, were provided by Plains.

Currently, the Site has a network of 12 groundwater monitoring wells (MW-1R, MW-2R, MW-3R, MW4R, MW-5R, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, and MW-12), which are monitored quarterly to delineate the extent and evaluate the concentrations of contaminants of concern (COC) in impacted groundwater. All Site monitoring wells were installed with NMOCD approval. The COCs are benzene, toluene, ethylbenzene, and total xylenes (BTEX) and polycyclic aromatic hydrocarbons (PAH), which includes benzo(a)pyrene, total naphthalene, and combined monomethylnapthalenes (1-methylnapthalenes and 2-methylnapthalenes). Past assessment and clean-up activities have included monitoring well installation resulting in the 12 groundwater monitoring wells as the Site. Seven (7) monitoring wells (MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, and MW-7) were installed in 2006. Two (2) monitoring wells (MW-8 and MW-9) were installed in 2007. One (1) monitoring well (MW-10) was installed in 2009.

On September 17, 2018, GHD provided oversight of the plugging and abandonment of five (5) monitoring wells (MW-1, MW-2, MW-3, MW-4, and MW-5. On September 19, 2018, GHD provided oversight of the drilling and installation of five (5) monitoring wells (MW-1R, MW-2R, MW-3R, MW-4R, and MW-5R) to maintain plume delineation. Additionally, two (2) monitoring wells (MW-11 and MW-12) were drilled and installed to further delineate down-gradient groundwater conditions of the Site's southern area. A detailed map of the Site with the monitoring well locations depicted is provided on Figure 2.

On May 27, 2020, an oxygen emitter system was installed in monitoring well MW-12 to enhance natural attenuation of the BTEX contaminants of concern (COCs). In April 2021, Oxygen Releasing Compound (ORC) filter socks were installed in monitoring wells MW-1R, MW-2R, and MW-4R to enhance natural attenuation of the BTEX COCs reported in the groundwater. On July 28, 2022, the oxygen emitter system was removed and replaced with an ORC filter sock.

2. Regulatory Framework

The NMOCD has regulatory jurisdiction over oil and gas production operations and remediation of spills of crude oil in the State of New Mexico. NMOCD Groundwater Delineation and Remediation guidelines require groundwater to be analyzed for potential contaminants as defined by the New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards as outlined in the New Mexico Administration Code 20.6.2.3103 Section A. The main COCs in the Site's impacted groundwater are BTEX and PAH. In this Report, groundwater analytical results for the main COCs are compared to the NMWQCC standards. For PAH compounds with an undefined NMWQCC standard, the NMOCD requires a concentration of 0.001 milligram per Liter (mg/L) or less.

Table 1	NMWQCC Hun	nan Health Standards

Contaminants of Concern	Standards
Benzene	0.01 mg/L
Toluene	0.75 mg/L
Ethylbenzene	0.75 mg/L
Total Xylenes	0.62 mg/L
Benzo(a)pyrene	0.0002 mg/L
Total Naphthalene, 1-Monomethylnaphthalene, and 2-Monomethylnapthalene	0.03 mg/L

3. Groundwater Monitoring

3.1 Methodology of Groundwater Monitoring

The Site's groundwater conditions were monitored quarterly during 2022. The four (4) monitoring well gauging, purging, and sampling events were conducted on February 7 - 8, 2022, May 11, 2022, August 9 - 10, 2022, and November 21, 2022. Prior to each event's gauging activity, the ORC socks installed in monitoring wells MW-1R, MW-2R, MW-4R, and the oxygen emitter system in MW-12, which was replaced with an ORC sock on July 28, 2022, were removed and the water level was allowed to stabilize. Static fluid levels were gauged with an electronic oil-water interface probe to the nearest hundredth of a foot and recorded. Site monitoring wells having a measurable thickness (>0.01 ft.) of light non-aqueous phase liquid (LNAPL) were not purged and sampled. The measured depths to groundwater and calculated groundwater elevations for 2022 are provided in Table 1. All non-disposable groundwater gauging equipment was decontaminated with Alconox® and potable water; rinsed with potable water; and rinsed again with deionized water prior to gauging and between wells.

Hand-bailing, using clean disposable polyvinyl chloride (PVC) bailers, was used to purge groundwater from each well. The hand-bailing process continued until three (3) well water column volumes of groundwater were removed.

After purging each monitoring well, a sample of groundwater was collected using the PVC bailer. Laboratory-supplied sample containers were filled directly from the PVC bailer. The collected samples were labeled with corresponding well information and immediately placed on ice in insulated coolers and chilled to approximately 4 degrees Celsius (°C) (40 degrees Fahrenheit [°F]). Included in the cooler for quality assurance and quality control (QA/QC) were Duplicate and Trip Blank samples. Proper chain-of-custody documentation accompanied samples to Pace Analytical Laboratory in Mt. Juliet, Tennessee. Samples collected for each quarterly monitoring event were submitted for analysis of BTEX by Environmental Protection Agency (EPA) Method SW846-8021B.

During the fourth quarterly monitoring event, monitoring wells which had not previously met the criteria of two (2) consecutive years of PAH compounds below the NMWQCC standards and below 0.001 mg/L for PAH compounds with an undefined NMWQCC standard were analyzed for PAH by EPA Method SW846-8270C-SIM, as required by the NMOCD. No monitoring well groundwater sample was submitted for analysis of PAH. Purged water recovered during the monitoring events was disposed of in the Site's above-ground storage tank (AST) pending disposal. Purge water was periodically transported off-Site to and disposed of at a NMOCD-approved disposal facility as directed by Plains. Disposal records are available upon request.

When operating and accessible during the quarterly events, GHD conducted groundwater sampling of the off-Site Goff Dairy Well, the Goff Dairy Center Pivot Irrigation System, and the JW House Well. During the monitoring event conducted on February 7 - 8, 2022, no groundwater samples were collected from the Goff Dairy Well and the center pivot irrigation system due to both not being in operation. The JW House Well was also not sampled due to the property being vacant and inaccessible from a closed and locked gate. On February 21, 2022, the Goff Dairy Center Pivot Irrigation System was operating, and samples were collected from the irrigation system's center pivot well and from locations at the center and end of the center pivot's span. A sample from the Goff Dairy Well was not collected on February 21, 2022, due to saturated ground surface conditions around the well. During the May monitoring event, no groundwater samples were collected from the four (4) Goff Dairy sample locations and from the JW House Well. For the Goff Dairy Well and JW House Well, sampling consisted of opening each well's respective spigot and allowing water to purge for a minimum of 30 seconds prior to collecting the sample. For the Goff Dairy Center Pivot Irrigation System, samples were collected from the sprinklers located at the beginning (near center of crop circle), at the middle, and at the end of the span. The Goff Dairy Well and JW House Well locations are depicted on Figure 2.

3.2 The Potentiometric Surface and Gradient

The direction of groundwater flow was generally southeast during the quarterly gauging events. The average gradient of the potentiometric surface during 2022 was 0.008 feet/foot (ft./ft.), which indicates an average decrease of 0.005 ft./ft. between November 2021 and November 2022. Magnitudes and directions of these gradients were similar to those recorded during previous monitoring events. Measured depths to groundwater and calculated elevations of the potentiometric surface recorded during 2022 are provided in Table 1.

All monitoring wells exhibited net declines of the elevations of the potentiometric surface between November 2021 and November 2022. The annual evaluation of the potentiometric surface indicated groundwater elevations have declined an average of 0.73 ft. over the period. The changes in the groundwater gradients and levels may be attributed to seasonal weather fluctuations and operation of the Goff Diary Center Pivot Irrigation System located adjacent and to the southwest of the Site. Potentiometric surface maps for the quarterly monitoring events are depicted on Figure 3, Figure 4, Figure 5, and Figure 6. A summary of the Site's groundwater gauging and elevation data collected from 2017 through 2022 are tabulated in Table 1.

3.3 Presence of Light Non-Aqueous Phase Liquids (LNAPL)

No measurable thickness of LNAPL was found in the Site's monitoring wells during the respective quarterly monitoring events.

3.4 Dissolved-Phase Hydrocarbons in Groundwater

All BTEX analytical results for the quarterly groundwater sampling events were compared to the NMWQCC Human Health Standard criteria. The analytical results for the on-Site monitoring wells, off-Site wells, and center pivot irrigation system's span sample locations for each respective quarterly sampling event are included in Table 2. Maps depicting analytical results are provided as Figure 7, Figure 8, Figure 9, and Figure 10.

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3.4.1 First Quarter Summary

GHD conducted the first quarterly groundwater gauging, purging, and sampling event on February 7 - 8, 2022. Monitoring wells MW-6, MW-8, and MW-10 were gauged dry. Groundwater samples were collected from monitoring wells MW-1R, MW-2R, MW-3R, MW-4R, MW-5R, MW-7, MW-9, MW-11, and MW-12. Approximately 84 gallons of groundwater were purged and disposed of in the on-Site AST. Analytical results indicated a benzene concentration above 0.01 mg/L in monitoring wells MW-1R, MW-2R, MW-2R, MW-4R, and MW-12. The analytical results indicated toluene, ethylbenzene, or total xylenes concentrations were below the NMWQCC criteria for each respective sample. Analytical results for the initial and field duplicate samples collected from monitoring well MW-4R were not significantly different. A copy of the Certified Laboratory Analytical Report is attached as Appendix B.

Groundwater samples were collected from the Goff Dairy Center Pivot Irrigation System's span on February 21, 2022. Analytical results indicated no BTEX concentrations above the NMWQCC criteria. The Goff Dairy Well was not sampled due saturated ground surface conditions around the well and the JW House Well was not sampled due to the property being vacant and inaccessible because of a closed and locked gate.

3.4.2 Second Quarter Summary

GHD conducted the second quarterly groundwater gauging, purging, and sampling event on May 11, 2022. Monitoring wells MW-6, MW-8, and MW-10 were gauged dry. Groundwater samples were collected from monitoring wells MW-1R, MW-2R, MW-3R, MW-4R, MW-5, MW-7, MW-9, MW-11, and MW-12. Approximately 47 gallons of groundwater were purged and disposed of in the on-Site AST. Analytical results indicated benzene concentrations above 0.01 mg/L in MW-2R, MW-4R, and MW-12. The analytical results indicated toluene, ethylbenzene, or total xylene concentrations were below NMWQCC criteria for each respective sample. No field duplicate sample was collected during the event. A copy of the Certified Laboratory Analytical Report is attached as Appendix B.

No samples were collected for the Goff Dairy Well and the three (3) Center Pivot Irrigation System's span locations because the well and system were not in operation. The JW House Well was not sampled due to the property being vacant and inaccessible because of a closed and locked gate.

3.4.3 Third Quarter Summary

GHD conducted the third quarterly groundwater gauging, purging, and sampling event on August 9 - 11, 2022. Monitoring wells MW-6, MW-8, and MW-10 were gauged dry. Groundwater samples were collected from monitoring wells MW-1R, MW-2R, MW-3R, MW-4R, MW-5, MW-7, MW-9, MW-11, and MW-12. Approximately 126 gallons of groundwater were purged and disposed of in the on-Site AST. Analytical results indicated benzene concentrations above 0.01 mg/L in monitoring wells MW-2R, MW-4R, MW-5R, and MW-12. Upon review of the laboratory analytical report, it was determined monitoring wells MW-5R and MW-12 had been analyzed beyond the 14-day Hold Time. Since monitoring well MW-12 is located along the Site's southern property line and its analytical results considered critical information, the well was resampled on September 13, 2022. The analytical results of the sample collected from monitoring well MW-12 on September 13, 2022, indicated a benzene concentration above 0.01 mg/L. The analytical results indicated toluene, ethylbenzene, or total xylene concentrations were below NMWQCC criteria for each respective sample. No field duplicate sample was collected during the event. A copy of the Certified Laboratory Analytical Report is attached as Appendix B.

Groundwater samples were collected from the Goff Diary Well and the three (3) Goff Dairy Center Pivot Irrigation System's span locations due to the well and irrigation system being in operation. The analytical results for each respective sample indicated BTEX concentrations were below NMWQCC criteria. A groundwater sample was collected from the JW House Well due to the property having improvements for stabling, feeding, and watering horses. The sample's analytical results indicated BTEX concentrations were below NMWQCC criteria.

3.4.4 Fourth Quarter Summary

GHD conducted the fourth quarterly groundwater gauging, purging, and sampling event on November 21, 2022. Monitoring wells MW-6, MW-8, and MW-10 were gauged dry. Groundwater samples were collected from monitoring wells MW-1R, MW-2R, MW-3R, MW-4R, MW-5, MW-7, MW-9, MW-11, and MW-12. Approximately 40 gallons of groundwater were purged and disposed of in the on-Site AST. Analytical results indicated benzene concentrations above 0.01 mg/L in monitoring wells MW-2R, MW-3R, MW-3R, MW-4R, MW-5R, and MW-12. Analytical results indicated toluene, ethylbenzene, or total xylenes concentrations were below the NMWQCC criteria for each respective sample. Results for the analyses of the initial and field duplicate groundwater samples collected at MW-12 indicates a relative percent difference of 28%; however, both samples were above the benzene 0.01 mg/L concentration.

No groundwater samples were analyzed for PAH. As required by the NMOCD, monitoring wells which had not previously met the criteria of two (2) consecutive years of PAH compounds below the NMWQCC standards and below 0.001 mg/L for PAH compounds with an undefined NMWQCC standard will be analyzed for PAH by EPA Method SW846-8270C-SIM. A summary of PAH analytical results is provided in Table 3. A copy of the Certified Laboratory Analytical Report is attached as Appendix B.

No samples were collected from the Goff Diary Well and the three (3) Goff Dairy Center Pivot Irrigation System's span locations because the well and irrigation system were not in operation. A sample was collected from the JW House and the sample's analytical results indicated BTEX concentrations were below the NMWQCC criteria.

4. Remediation Activities

GHD conducted routine operation and maintenance (O&M) for monitoring wells with BTEX exceeding the NMWQCC criteria. An oxygen emitter system, installed in monitoring well MW-12 prior to 2022 to enhance aerobic biodegradation of dissolved-phase hydrocarbons in groundwater, continued until July 28, 2022, and was then replaced with an ORC sock. In April 2021, ORC socks were installed in monitoring wells MW-1R, MW-2R, and MW-4R to enhance natural attenuation of the BTEX concentrations reported in the groundwater and were used throughout 2022.

Weekly BTEX abatement was conducted via hand bailing for monitoring wells MW-1R, MW-2R, MW-3R, MW-4R, MW-5R, and MW-12. Approximately 306 gallons of total fluids were removed from these monitoring wells and disposed of in the Site's AST during 2022.

5. Summary of Findings

Based on the quarterly groundwater monitoring events and remedial activities performed in 2022, the following summary of findings are presented:

- No measurable LNAPL thickness was measured on the groundwater of any monitoring well during the monitoring events.
- Monitoring wells MW-6, MW-8, and MW-10 were measured dry throughout 2022.
- The groundwater flow direction was generally to the southeast during the quarterly events. The average gradient
 of the potentiometric surface was 0.008 ft./ft.
- The potentiometric surface indicates groundwater elevations have declined an average of 0.73 ft. between November 2021 and November 2022. Fluctuations in the elevation of the potentiometric surface is attributed to seasonal weather conditions and operation of the Goff Dairy irrigation system located adjacent and to the southwest of the Site.

- Nine (9) of the Site's twelve (12) monitoring wells were purged and sampled using a hand bailer for determination of the BTEX concentration during the monitoring events.
- Benzene concentrations were above the NMWQCC Human Health Standard criteria for monitoring wells MW-1R, MW-2R, MW-4R, and MW-12 for the quarterly events.
- Toluene, ethylbenzene, and total xylene concentrations were below the NMWQCC Human Health Standard criteria for monitoring wells MW-1R, MW-2R, MW-4R, and MW-12 for the quarterly events.
- Historically, monitoring well MW-3R has had benzene concentrations exceeding the NMWQCC Human Health Standard of 0.01 mg/L. Due to BTEX abatement via hand-bailing, analytical results have shown a significant decline since May 2020; however, an increase in the benzene concentration above NMWQCC criteria was reported for the fourth quarterly event.
- Toluene, ethylbenzene, and total xylene concentrations were below the NMWQCC Human Health Standard criteria for monitoring well MW-3R during the fourth quarterly event.
- The benzene concentration increased to above the NMWQCC Human Health Standard criteria in monitoring well MW-5R for the third and fourth quarterly events.
- Toluene, ethylbenzene, and total xylene concentrations were below the NMWQCC Human Health Standard criteria for monitoring well MW-5R during the third and fourth quarterly events.
- The Goff Dairy Irrigation System was sampled during the first and third quarterly monitoring events. Analytical
 results indicated the irrigation system had BTEX constituent concentrations below the NMWQCC Human Health
 Standards.
- The Goff Dairy well was sampled during the third quarterly monitoring event. Analytical results indicated the well had BTEX constituent concentrations below the NMWQCC Human Health Standards.
- The JW House Well was sampled during the third and fourth quarterly monitoring events. Analytical results indicated the well had BTEX constituent concentrations below the NMWQCC Human Health Standards.
- The oxygen emitter system installed in monitoring well MW-12 was removed on July 28, 2022, and replaced with an ORC sock.
- ORC socks installed in monitoring wells MW-1R, MW-2R, and MW-4R were used throughout 2022 and in monitoring well MW-12 for the second half of 2022.

6. Conclusions and Recommendations

Based upon the data and findings presented in this Report, the following are recommended for 2023:

- Continue NMOCD-approved quarterly groundwater monitoring events, including sampling of groundwater and analysis of BTEX by EPA Method SW846-8021B for all Site monitoring wells.
- Continue sampling of groundwater for analysis of BTEX by EPA Method SW846-8021B from the off-Site Goff Dairy Well and Goff Dairy Center Pivot Irrigation System when operating during scheduled monitoring events.
- Continue sampling of groundwater for analysis of BTEX by EPA Method SW846-8021B from the off-Site JW House Well if house occupancy and livestock operations appear to be ongoing and open access to the property is available.
- Continue weekly BTEX abatement in monitoring wells MW-1R, MW-2R, MW-4R, MW-5R, and MW-12.
- Inspect and replace the ORC filter socks in monitoring wells MW-1R, MW-2R, MW-4R, and MW-12 if degradation
 of the sock's integrity and/or expiration of the controlled-release, molecular oxygen has occurred.
- Resume weekly BTEX abatement in monitoring well MW-3R and install an ORC filter sock.
- Install an ORC filter sock in monitoring well MW-5R.

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 Complete and deliver a Work Plan for the plugging and abandonment of dry monitoring wells MW-6, MW-8, and MW-10 and the installation of replacement monitoring wells to evaluate the Site's groundwater conditions and maintain plume delineation.

All of which is Respectfully Submitted,

GHD

John M Fergerson

John Fergerson Project Scientist

JT Murrey

Project Director

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet, NAVD88)	Total Depth of Well (Feet BTOC)
MW-1	4/5/17	3806.60	92.38		0.00	3714.22	92.39
MW-1	6/21/17	3806.60				Dry	92.39
MW-1	9/25/17	3806.60				Dry	92.37
MW-1	11/28/17	3806.60				Dry	92.43
MW-1	2/23/18	3806.60				Dry	92.59
MW-1 MW-1	5/24/18 8/23/18	3806.60 3806.60				Dry Dry	92.46 92.40
MW-1	9/17/18	P&A				Diy	92.40
MW-1R	11/16/18	3806.62	94.80		0.00	3711.82	108.70
MW-1R	2/18/19	3806.62	94.06		0.00	3712.56	108.69
MW-1R	5/21/19	3806.62	94.69		0.00	3711.93	
MW-1R	8/23/19	3806.62	96.34		0.00	3710.28	
MW-1R	10/17/19	3806.62	95.49		0.00	3711.13	
MW-1R	2/20/20	3806.62	94.04		0.00	3712.58	108.36
MW-1R	3/26/20	3806.62	93.90		0.00	3712.72	108.37
MW-1R	4/2/20	3806.62	94.59		0.00	3712.03	
MW-1R MW-1R	4/10/20 4/17/20	<u>3806.62</u> 3806.62	95.02 95.33		0.00	3711.60 3711.29	
MW-1R	4/17/20	3806.62	95.33		0.00	3711.29	
MW-1R	4/30/20	3806.62	95.87		0.00	3710.75	
MW-1R	5/6/20	3806.62	96.12		0.00	3710.50	
MW-1R	5/12/20	3806.62	96.31		0.00	3710.31	
MW-1R	5/20/20	3806.62	96.57		0.00	3710.05	
MW-1R	6/3/20	3806.62	96.04		0.00	3710.58	
MW-1R	6/10/20	3806.62	95.84		0.00	3710.78	
MW-1R	6/17/20	3806.62	95.75		0.00	3710.87	
MW-1R	6/25/20	3806.62	95.82		0.00	3710.80	
MW-1R MW-1R	7/1/20 7/8/20	3806.62	96.33 96.58		0.00	3710.29 3710.04	
MW-1R	7/15/20	<u>3806.62</u> 3806.62	96.84		0.00	3709.78	
MW-1R	7/22/20	3806.62	97.02		0.00	3709.60	
MW-1R	7/28/20	3806.62	97.17		0.00	3709.45	
MW-1R	8/5/20	3806.62	97.27		0.00	3709.35	
MW-1R	8/11/20	3806.62	97.42		0.00	3709.20	
MW-1R	8/20/20	3806.62	97.55		0.00	3709.07	
MW-1R	8/26/20	3806.62	97.69		0.00	3708.93	
MW-1R	9/2/20	3806.62	97.95		0.00	3708.67	108.36
MW-1R MW-1R	9/8/20 9/24/20	3806.62 3806.62	97.94 98.26		0.00	3708.68 3708.36	
MW-1R	9/24/20	3806.62	98.40		0.00	3708.22	
MW-1R	10/14/20	3806.62	97.73		0.00	3708.89	
MW-1R	10/21/20	3806.62	97.48		0.00	3709.14	
MW-1R	10/26/20	3806.62	97.30		0.00	3709.32	
MW-1R	11/5/20	3806.62	97.16		0.00	3709.46	108.36
MW-1R	11/17/20	3806.62	96.94		0.00	3709.68	
MW-1R	11/24/20	3806.62	97.39		0.00	3709.23	
MW-1R	12/1/20	3806.62	97.79		0.00	3708.83	
MW-1R MW-1R	12/8/20 12/16/20	3806.62 3806.62	97.55 97.52		0.00	3709.07 3709.10	
MW-1R MW-1R	12/16/20	3806.62	97.52		0.00	3709.10	
MW-1R	1/6/21	3806.62	97.29		0.00	3709.66	
MW-1R	1/13/21	3806.62	97.07		0.00	3709.55	
MW-1R	1/21/21	3806.62	96.81		0.00	3709.81	
MW-1R	1/27/21	3806.62	96.77		0.00	3709.85	
MW-1R	2/2/21	3806.62	96.62		0.00	3710.00	108.91
MW-1R	2/24/21	3806.62	96.67		0.00	3709.95	
MW-1R	3/9/21	3806.62	97.08		0.00	3709.54	
MW-1R	3/17/21	3806.62	97.58		0.00	3709.04	
MW-1R MW-1R	3/18/21 3/26/21	3806.62 3806.62	97.93 97.94		0.00	3708.69 3708.68	
MW-1R	3/26/21	3806.62	97.94		0.00	3708.68	
MW-1R	4/7/21	3806.62	97.93		0.00	3708.69	
MW-1R	4/12/21	3806.62	98.25		0.00	3708.37	

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet, NAVD88)	Total Depth of Well (Feet BTOC)
MW-1R	4/21/21	3806.62	98.48		0.00	3708.14	
MW-1R	4/27/21	3806.62	98.62		0.00	3708.00	
MW-1R	5/4/21	3806.62	98.46		0.00	3708.16	
MW-1R	5/14/21	3806.62	97.94		0.00	3708.68	
MW-1R	5/26/21	3806.62	97.58		0.00	3709.04	
MW-1R	6/11/21	3806.62	97.49		0.00	3709.13	
MW-1R	6/17/21	3806.62	98.23		0.00	3708.39	
MW-1R	6/22/21	3806.62	98.22		0.00	3708.40	
MW-1R MW-1R	6/28/21 7/7/21	3806.62 3806.62	98.40 97.98		0.00	3708.22 3708.64	
MW-1R	7/15/21	3806.62	97.68		0.00	3708.94	
MW-1R	7/27/21	3806.62	97.86		0.00	3708.76	
MW-1R	8/3/21	3806.62	98.33		0.00	3708.29	108.91
MW-1R	8/11/21	3806.62	98.55		0.00	3708.07	
MW-1R	8/19/21	3806.62	98.80		0.00	3707.82	
MW-1R	8/26/21	3806.62	98.98		0.00	3707.64	
MW-1R	8/31/21	3806.62					
MW-1R	9/8/21	3806.62	99.20		0.00	3707.42	
MW-1R	9/15/21	3806.62	99.41		0.00	3707.21	
MW-1R	9/23/21	3806.62	99.22		0.00	3707.40	
MW-1R	9/30/21	3806.62	98.83		0.00	3707.79	108.91
MW-1R	10/5/21	<u>3806.62</u> 3806.62	98.73		0.00	3707.89	
MW-1R MW-1R	10/12/21 10/19/21	3806.62	98.38 98.63		0.00	3708.24 3707.99	
MW-1R	10/28/21	3806.62	98.39		0.00	3708.23	108.91
MW-1R	11/1/21	3806.62	98.61		0.00	3708.01	108.91
MW-1R	11/9/21	3806.62	98.82		0.00	3707.80	108.91
MW-1R	11/23/21	3806.62	99.08		0.00	3707.54	108.91
MW-1R	12/7/21	3806.62	99.02		0.00	3707.60	108.91
MW-1R	12/16/21	3806.62					108.91
MW-1R	1/5/22	3806.62	98.11		0.00	3708.51	108.91
MW-1R	1/12/22	3806.62	98.47		0.00	3708.15	108.91
MW-1R	1/18/22	3806.62	98.64		0.00	3707.98	108.91
MW-1R	2/7/22	3806.62	97.95		0.00	3708.67	108.26
MW-1R	2/15/22	3806.62	97.79		0.00	3708.83	108.26
MW-1R MW-1R	2/21/21 2/21/22	<u>3806.62</u> 3806.62	97.81 97.81		0.00	3708.81 3708.81	108.26 108.26
MW-1R	3/3/22	3806.62	97.99		0.00	3708.63	108.26
MW-1R	3/8/22	3806.62	98.43		0.00	3708.19	108.26
MW-1R	3/15/22	3806.62	98.55		0.00	3708.07	108.26
MW-1R	3/21/22	3806.62	98.86		0.00	3707.76	108.26
MW-1R	4/1/22	3806.62	99.18		0.00	3707.44	108.26
MW-1R	4/6/22	3806.62	99.28		0.00	3707.34	108.26
MW-1R	4/11/22	3806.62	99.58		0.00	3707.04	108.26
MW-1R	4/19/22	3806.62	99.60		0.00	3707.02	108.26
MW-1R	4/29/22	3806.62	99.88		0.00	3706.74	108.26
MW-1R	5/3/22	3806.62	99.98		0.00	3706.64	108.26
MW-1R	5/10/22	3806.62	100.11		0.00	3706.51	108.26
MW-1R	5/17/22	3806.62	100.05		0.00	3706.57	108.26
MW-1R MW-1R	6/1/22 6/10/22	<u>3806.62</u> 3806.62	99.32 99.26		0.00	3707.30 3707.36	108.26 108.26
MW-1R MW-1R	6/10/22	3806.62	99.26		0.00	3707.36 3706.95	108.26
MW-1R	6/13/22	3806.62	100.02		0.00	3706.95	108.26
MW-1R	6/28/22	3806.62	100.02		0.00	3706.40	108.26
MW-1R	7/6/22	3806.62	100.39		0.00	3706.23	108.26
MW-1R	7/13/22	3806.62	100.47		0.00	3706.15	108.26
MW-1R	7/21/22	3806.62	100.69		0.00	3705.93	108.26
MW-1R	7/28/22	3806.62	100.86		0.00	3705.76	108.26
MW-1R	8/1/22	3806.62	100.89		0.00	3705.73	108.26
MW-1R	8/9/22	3806.62	101.05		0.00	3705.57	108.26
MW-1R	8/15/22	3806.62	101.20		0.00	3705.42	108.26
MW-1R	8/31/22	3806.62	101.21		0.00	3705.41	108.26
MW-1R	9/8/22	3806.62	100.92		0.00	3705.70	108.26

Table 1

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet, NAVD88)	Total Depth of Well (Feet BTOC)
MW-1R	9/29/22	3806.62	100.41		0.00	3706.21	108.26
MW-1R	10/6/22	3806.62	100.24		0.00	3706.38	108.26
MW-1R	11/9/22	3806.62	100.09		0.00	3706.53	108.26
MW-1R	11/21/22	3806.62	100.10		0.00	3706.52	108.26
MW-2	4/5/17	3806.31				Dry	88.06
MW-2	6/21/17	3806.31				Dry	88.05
MW-2	9/25/17	3806.31				Dry	88.10
MW-2	11/28/17	3806.31				Dry	88.09
MW-2 MW-2	2/23/18 5/24/18	3806.31 3806.31				Dry Dry	88.04 88.25
MW-2	8/23/18	3806.31				Dry	88.05
MW-2	9/17/18	P&A				Diy	
MW-2R	11/16/18	3806.38	95.26		0.00	3711.12	109.91
MW-2R	2/18/19	3806.38	94.38		0.00	3712.00	109.74
MW-2R	5/21/19	3806.38	95.05		0.00	3711.33	
MW-2R	8/23/19	3806.38	97.30		0.00	3709.08	
MW-2R	10/17/19	3806.38	95.61		0.00	3710.77	
MW-2R	2/20/20	3806.38	94.05		0.00	3712.33	109.79
MW-2R	3/26/20	3806.38	94.02		0.00	3712.36	109.86
MW-2R	4/2/20	3806.38	94.95		0.00	3711.43	
MW-2R	4/10/20	3806.38	95.55		0.00	3710.83	
MW-2R	4/17/20	3806.38	96.09		0.00	3710.29	
MW-2R MW-2R	4/20/20 4/30/20	3806.38 3806.38	96.20		0.00	3710.18 3709.70	
MW-2R	5/6/20	3806.38	96.68 97.06		0.00	3709.32	
MW-2R	5/12/20	3806.38	97.21		0.00	3709.17	
MW-2R	5/20/20	3806.38	97.47		0.00	3708.91	
MW-2R	6/3/20	3806.38	96.40		0.00	3709.98	
MW-2R	6/10/20	3806.38	96.30		0.00	3710.08	
MW-2R	6/17/20	3806.38	96.08		0.00	3710.30	
MW-2R	6/25/20	3806.38	96.25		0.00	3710.13	
MW-2R	7/1/20	3806.38	96.87		0.00	3709.51	
MW-2R	7/8/20	3806.38	97.29		0.00	3709.09	
MW-2R	7/15/20	3806.38	97.67		0.00	3708.71	
MW-2R	7/22/20	3806.38	97.93		0.00	3708.45	
MW-2R MW-2R	7/28/20 8/5/20	<u>3806.38</u> 3806.38	98.10 98.02		0.00	3708.28 3708.36	
MW-2R	8/11/20	3806.38	97.89		0.00	3708.49	
MW-2R	8/20/20	3806.38	98.48		0.00	3707.90	
MW-2R	8/26/20	3806.38	98.65		0.00	3707.73	
MW-2R	9/2/20	3806.38	98.83		0.00	3707.55	109.79
MW-2R	9/8/20	3806.38	98.94		0.00	3707.44	
MW-2R	9/24/20	3806.38	99.28		0.00	3707.10	
MW-2R	9/30/20	3806.38	99.45		0.00	3706.93	
MW-2R	10/14/20	3806.38	98.26		0.00	3708.12	
MW-2R	10/21/20	3806.38	92.86		0.00	3713.52	
MW-2R	10/26/20	3806.38	97.60		0.00	3708.78	
MW-2R	11/5/20	3806.38	97.42		0.00	3708.96	109.79
MW-2R MW-2R	11/17/20 11/24/20	3806.38 3806.38	97.20 97.96		0.00	3709.18 3708.42	
MW-2R MW-2R	12/1/20	3806.38	97.96		0.00	3708.42	
MW-2R	12/8/20	3806.38	98.02		0.00	3708.36	
MW-2R	12/16/20	3806.38	97.94		0.00	3708.44	
MW-2R	12/23/20	3806.38	97.59		0.00	3708.79	
MW-2R	1/6/21	3806.38	97.22		0.00	3709.16	
MW-2R	1/13/21	3806.38	97.39		0.00	3708.99	
MW-2R	1/21/21	3806.38	97.02		0.00	3709.36	
MW-2R	1/27/21	3806.38	96.90		0.00	3709.48	
MW-2R	2/2/21	3806.38	96.73		0.00	3709.65	109.88
MW-2R	2/24/21	3806.38	96.99		0.00	3709.39	
MW-2R	3/9/21	3806.38	97.42		0.00	3708.96	
MW-2R	3/17/21	3806.38	97.58		0.00	3708.80	109.37

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet, NAVD88)	Total Depth of Well (Feet BTOC)
MW-2R	3/26/21	3806.38	98.74		0.00	3707.64	
MW-2R	3/31/21	3806.38	99.01		0.00	3707.37	
MW-2R	4/7/21	3806.38	98.47		0.00	3707.91	
MW-2R	4/12/21	3806.38	98.97		0.00	3707.41	
MW-2R	4/21/21	3806.38	99.36		0.00	3707.02	
MW-2R	4/27/21	3806.38	99.55		0.00	3706.83	
MW-2R MW-2R	5/4/21 5/17/21	3806.38 3806.38	98.95 98.40		0.00	3707.43 3707.98	
MW-2R	5/26/21	3806.38	97.91		0.00	3707.98	
MW-2R	6/11/21	3806.38	97.89		0.00	3708.49	
MW-2R	6/17/21	3806.38	98.46		0.00	3707.92	
MW-2R	6/22/21	3806.38	99.09		0.00	3707.29	
MW-2R	6/28/21	3806.38	99.15		0.00	3707.23	
MW-2R	7/7/21	3806.38	98.52		0.00	3707.86	
MW-2R	7/15/21	3806.38	98.05		0.00	3708.33	
MW-2R	7/27/21	3806.38	98.24		0.00	3708.14	
MW-2R	8/3/21	3806.38	99.05		0.00	3707.33	109.88
MW-2R MW-2R	8/11/21 8/19/21	<u>3806.38</u> 3806.38	99.40 99.71		0.00	3706.98 3706.67	
MW-2R	8/26/21	3806.38	100.00		0.00	3706.38	
MW-2R	8/31/21	3806.38					
MW-2R	9/8/21	3806.38	100.11		0.00	3706.27	
MW-2R	9/15/21	3806.38	100.67		0.00	3705.71	
MW-2R	9/23/21	3806.38	99.92		0.00	3706.46	
MW-2R	9/30/21	3806.38	99.33		0.00	3707.05	109.88
MW-2R	10/5/21	3806.38	99.21		0.00	3707.17	
MW-2R	10/12/21	3806.38	99.65		0.00	3706.73	
MW-2R	10/19/21	3806.38	99.97		0.00	3706.41	
MW-2R MW-2R	10/28/21 11/1/21	3806.38 3806.38	98.95 99.15		0.00	3707.43 3707.23	109.88 109.88
MW-2R	11/9/21	3806.38	99.15		0.00	3707.07	109.88
MW-2R	11/23/21	3806.38	99.53		0.00	3706.85	109.88
MW-2R	12/7/21	3806.38	99.80		0.00	3706.58	109.88
MW-2R	12/16/21	3806.38					109.88
MW-2R	1/5/22	3806.38	98.38		0.00	3708.00	109.88
MW-2R	1/12/22	3806.38					109.88
MW-2R	1/18/22	3806.38	99.25		0.00	3707.13	109.88
MW-2R	2/7/22	3806.38	98.06		0.00	3708.32	108.99
MW-2R MW-2R	2/15/22 2/21/22	3806.38 3806.38	98.01 98.06		0.00 0.00	3708.37 3708.32	108.99 108.99
MW-2R	3/3/22	3806.38	98.54		0.00	3708.32	108.99
MW-2R	3/8/22	3806.38	98.85		0.00	3707.53	108.99
MW-2R	3/15/22	3806.38	99.04		0.00	3707.34	108.99
MW-2R	3/21/22	3806.38	99.46		0.00	3706.92	108.99
MW-2R	4/1/22	3806.38	99.84		0.00	3706.54	108.99
MW-2R	4/6/22	3806.38	100.01		0.00	3706.37	108.99
MW-2R	4/11/22	3806.38	100.63		0.00	3705.75	108.99
MW-2R	4/19/22	3806.38	100.66		0.00	3705.72	108.99
MW-2R	4/29/22	3806.38	101.00		0.00	3705.38 3705.22	108.99 108.99
MW-2R MW-2R	5/3/22 5/10/22	3806.38 3806.38	101.16 101.41		0.00 0.00	3705.22 3704.97	108.99
MW-2R	5/17/22	3806.38	101.01		0.00	3704.97	108.99
MW-2R	6/1/22	3806.38	99.89		0.00	3706.49	108.99
MW-2R	6/10/22	3806.38	99.56		0.00	3706.82	108.99
MW-2R	6/15/22	3806.38	100.30		0.00	3706.08	108.99
MW-2R	6/22/22	3806.38	100.81		0.00	3705.57	108.99
MW-2R	6/28/22	3806.38	101.24		0.00	3705.14	108.99
MW-2R	7/6/22	3806.38	101.39		0.00	3704.99	108.99
MW-2R	7/13/22	3806.38	101.53		0.00	3704.85	108.99
MW-2R	7/21/22	3806.38	101.67		0.00	3704.71	108.99
MW-2R MW-2R	7/28/22 8/1/22	3806.38 3806.38	101.87 101.97		0.00	3704.51 3704.41	108.99 108.99
		1010 10	101.97		0.00	J/U4.41	108.99

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet, NAVD88)	Total Depth of Well (Feet BTOC)
MW-2R	8/15/22	3806.38	102.56		0.00	3703.82	108.99
MW-2R	8/31/22	3806.38	102.47		0.00	3703.91	108.99
MW-2R	9/8/22	3806.38	101.71		0.00	3704.67	108.99
MW-2R	9/29/22	3806.38	101.69		0.00	3704.69	108.99
MW-2R	10/6/22	3806.38	100.56		0.00	3705.82	108.99
MW-2R	11/9/22	3806.38	100.65		0.00	3705.73	108.99
MW-2R	11/16/22	3806.38	100.84		0.00	3705.54	108.99
MW-2R	11/21/22	3806.38	100.42		0.00	3705.96	108.99
MW-3	4/5/17	3806.19				Dry	92.46
MW-3	6/21/17	3806.19				Dry	92.46
MW-3	9/25/17	3806.19				Dry	92.51
MW-3 MW-3	11/28/17 2/23/18	3806.19 3806.19				Dry Dry	92.43 92.46
MW-3	5/24/18	3806.19				Dry	92.46
MW-3	8/23/18	3806.19				Dry	92.30
MW-3	9/17/18	P&A				DIy	92.40
MW-3R	11/16/18	3806.15	94.85		0.00	3711.30	109.91
MW-3R	2/18/19	3806.15	94.03		0.00	3712.12	109.91
MW-3R	5/21/19	3806.15	94.67		0.00	3711.48	
MW-3R	8/23/19	3806.15	96.79		0.00	3709.36	
MW-3R	10/17/19	3806.15	95.23		0.00	3710.92	
MW-3R	2/20/20	3806.15	93.73		0.00	3712.42	110.05
MW-3R	3/26/20	3806.15	93.70		0.00	3712.45	109.91
MW-3R	4/2/20	3806.15	94.58		0.00	3711.57	
MW-3R	4/10/20	3806.15	95.15		0.00	3711.00	
MW-3R	4/17/20	3806.15	95.58		0.00	3710.57	
MW-3R	4/20/20	3806.15	95.75		0.00	3710.40	
MW-3R	4/30/20	3806.15	96.20		0.00	3709.95	
MW-3R	5/6/20	3806.15	97.48		0.00	3708.67	
MW-3R	5/12/20	3806.15	96.70		0.00	3709.45	
MW-3R	5/20/20	3806.15	96.95		0.00	3709.20	
MW-3R	6/3/20	3806.15	95.95		0.00	3710.20	
MW-3R	6/10/20	3806.15	95.67		0.00	3710.48	
MW-3R	6/17/20	3806.15	95.68		0.00	3710.47	
MW-3R	6/25/20	3806.15	95.84		0.00	3710.31	
MW-3R MW-3R	7/1/20 7/8/20	<u>3806.15</u> 3806.15	96.43 96.82		0.00	3709.72 3709.33	
MW-3R	7/15/20	3806.15	97.16		0.00	3709.33	
MW-3R	7/22/20	3806.15	97.41		0.00	3708.74	
MW-3R	7/28/20	3806.15	97.55		0.00	3708.60	
MW-3R	8/5/20	3806.15	97.51		0.00	3708.64	
MW-3R	8/11/20	3806.15	97.79		0.00	3708.36	
MW-3R	8/20/20	3806.15	97.96		0.00	3708.19	
MW-3R	8/26/20	3806.15	98.09		0.00	3708.06	
MW-3R	9/2/20	3806.15	98.26		0.00	3707.89	110.05
MW-3R	9/8/20	3806.15	98.36		0.00	3707.79	
MW-3R	9/24/20	3806.15	98.69		0.00	3707.46	
MW-3R	9/30/20	3806.15	98.88		0.00	3707.27	
MW-3R	10/14/20	3806.15	97.77		0.00	3708.38	
MW-3R	10/21/20	3806.15	97.38		0.00	3708.77	
MW-3R	10/26/20	3806.15	97.17		0.00	3708.98	
MW-3R	11/5/20	3806.15	96.98		0.00	3709.17	110.05
MW-3R	11/17/20	3806.15	96.79		0.00	3709.36	
MW-3R	11/24/20	3806.15	97.53		0.00	3708.62	
MW-3R	12/1/20	3806.15	98.01		0.00	3708.14	
MW-3R MW-3R	12/8/20 12/16/20	3806.15 3806.15	97.55 97.48		0.00	3708.60 3708.67	
MW-3R	12/16/20	3806.15	97.48		0.00	3708.67	
MW-3R	1/6/21	3806.15	97.17 96.83		0.00	3708.98	
MW-3R	1/13/21	3806.15	96.94		0.00	3709.21	
MW-3R	1/21/21	3806.15	96.60		0.00	3709.55	
MW-3R	1/27/21	3806.15	96.52		0.00	3709.63	
MW-3R	2/2/21	3806.15	96.35		0.00	3709.80	109.89

MW-3R MW-3R </th <th>3/9/21 3/17/21 3/18/21 3/26/21 3/31/21 4/7/21 4/12/21 4/21/21 4/27/21 5/4/21 5/4/21 5/4/21 5/26/21 6/11/21 6/17/21 6/22/21 6/28/21 7/17/21 7/15/21 7/27/21 8/3/21</th> <th>3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15</th> <th>97.04 97.73 97.78 98.23 98.49 97.99 98.48 98.83 99.00 98.45 97.87 97.36 97.32 98.02</th> <th> 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0</th> <th>3709.11 3708.42 3708.37 3707.92 3707.66 3708.16 3707.67 3707.32 3707.15 3707.70</th> <th></th>	3/9/21 3/17/21 3/18/21 3/26/21 3/31/21 4/7/21 4/12/21 4/21/21 4/27/21 5/4/21 5/4/21 5/4/21 5/26/21 6/11/21 6/17/21 6/22/21 6/28/21 7/17/21 7/15/21 7/27/21 8/3/21	3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15	97.04 97.73 97.78 98.23 98.49 97.99 98.48 98.83 99.00 98.45 97.87 97.36 97.32 98.02	 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	3709.11 3708.42 3708.37 3707.92 3707.66 3708.16 3707.67 3707.32 3707.15 3707.70	
MW-3R MW-3R </td <td>3/17/21 3/18/21 3/26/21 3/31/21 4/7/21 4/12/21 4/21/21 4/27/21 5/4/21 5/14/21 5/14/21 5/14/21 6/11/21 6/11/21 6/22/21 6/28/21 7/7/21 7/15/21 7/27/21</td> <td>3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15</td> <td>97.73 97.78 98.23 98.49 97.99 98.48 98.83 99.00 98.45 97.87 97.36 97.32 98.02</td> <td> 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0</td> <td>3708.42 3708.37 3707.92 3707.66 3708.16 3707.67 3707.32 3707.15</td> <td></td>	3/17/21 3/18/21 3/26/21 3/31/21 4/7/21 4/12/21 4/21/21 4/27/21 5/4/21 5/14/21 5/14/21 5/14/21 6/11/21 6/11/21 6/22/21 6/28/21 7/7/21 7/15/21 7/27/21	3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15	97.73 97.78 98.23 98.49 97.99 98.48 98.83 99.00 98.45 97.87 97.36 97.32 98.02	 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	3708.42 3708.37 3707.92 3707.66 3708.16 3707.67 3707.32 3707.15	
MW-3R	3/26/21 3/31/21 4/7/21 4/21/21 4/27/21 5/4/21 5/14/21 5/14/21 5/14/21 5/26/21 6/11/21 6/17/21 6/22/21 6/28/21 7/7/21 7/15/21 7/27/21	3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15	98.23 98.49 97.99 98.48 98.83 99.00 98.45 97.87 97.36 97.32 98.02	 0.00 0.00 0.00 0.00 0.00 0.00 0.00	3707.92 3707.66 3708.16 3707.67 3707.32 3707.15	
MW-3R	3/31/21 4/7/21 4/21/21 4/27/21 5/4/21 5/4/21 5/14/21 5/26/21 6/11/21 6/17/21 6/22/21 6/28/21 7/7/21 7/15/21 7/27/21	3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15	98.49 97.99 98.48 98.83 99.00 98.45 97.87 97.36 97.32 98.02	 0.00 0.00 0.00 0.00 0.00 0.00 0.00	3707.66 3708.16 3707.67 3707.32 3707.15	
MW-3R	4/7/21 4/12/21 4/21/21 4/27/21 5/4/21 5/4/21 5/26/21 6/11/21 6/22/21 6/28/21 7/7/21 7/15/21 7/27/21	3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15	97.99 98.48 98.83 99.00 98.45 97.87 97.36 97.32 98.02	 0.00 0.00 0.00 0.00 0.00	3708.16 3707.67 3707.32 3707.15	
MW-3R	4/12/21 4/21/21 4/27/21 5/4/21 5/14/21 5/26/21 6/11/21 6/22/21 6/28/21 7/7/21 7/15/21 7/27/21	3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15	98.48 98.83 99.00 98.45 97.87 97.36 97.32 98.02	 0.00 0.00 0.00 0.00	3707.67 3707.32 3707.15	
MW-3R	4/21/21 4/27/21 5/4/21 5/14/21 5/26/21 6/11/21 6/22/21 6/28/21 7/7/21 7/15/21 7/27/21	3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15	98.83 99.00 98.45 97.87 97.36 97.32 98.02	 0.00 0.00 0.00	3707.32 3707.15	
MW-3R	4/27/21 5/4/21 5/14/21 5/26/21 6/11/21 6/17/21 6/22/21 6/28/21 7/7/21 7/15/21 7/27/21	3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15	99.00 98.45 97.87 97.36 97.32 98.02	 0.00 0.00	3707.15	
MW-3R	5/4/21 5/14/21 5/26/21 6/11/21 6/17/21 6/22/21 6/28/21 7/7/21 7/15/21 7/27/21	3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15	98.45 97.87 97.36 97.32 98.02	 0.00		
MW-3R	5/14/21 5/26/21 6/11/21 6/22/21 6/28/21 7/7/21 7/15/21 7/27/21	3806.15 3806.15 3806.15 3806.15 3806.15 3806.15 3806.15	97.87 97.36 97.32 98.02	 	3/0/./0	
MW-3R	5/26/21 6/11/21 6/22/21 6/28/21 7/7/21 7/15/21 7/27/21	3806.15 3806.15 3806.15 3806.15 3806.15 3806.15	97.36 97.32 98.02		3708.28	
MW-3R	6/11/21 6/17/21 6/22/21 6/28/21 7/7/21 7/15/21 7/27/21	3806.15 3806.15 3806.15 3806.15	97.32 98.02	0.00	3708.79	
MW-3R	6/17/21 6/22/21 6/28/21 7/7/21 7/15/21 7/27/21	3806.15 3806.15 3806.15	98.02	 0.00	3708.83	
MW-3R	6/28/21 7/7/21 7/15/21 7/27/21	3806.15	06.5-	 0.00	3708.13	
MW-3R	7/7/21 7/15/21 7/27/21		98.37	 0.00	3707.78	
MW-3R	7/15/21 7/27/21		98.52	 0.00	3707.63	
MW-3R	7/27/21	3806.15	97.84	 0.00	3708.31	
MW-3R		3806.15	97.47	 0.00	3708.68	
MW-3R	8/3/21	3806.15	97.79	 0.00	3708.36	
MW-3R MW-3R MW-3R MW-3R MW-3R MW-3R MW-3R MW-3R MW-3R		3806.15	98.43	 0.00	3707.72	109.86
MW-3R MW-3R MW-3R MW-3R MW-3R MW-3R MW-3R MW-3R	8/11/21	3806.15	98.70	 0.00	3707.45	
MW-3R MW-3R MW-3R MW-3R MW-3R MW-3R MW-3R	8/19/21	<u>3806.15</u> 3806.15	99.02	 0.00	3707.13	
MW-3R MW-3R MW-3R MW-3R MW-3R MW-3R	8/26/21 8/31/21	3806.15	99.32	 0.00	3706.83	
MW-3R MW-3R MW-3R MW-3R MW-3R	9/8/21	3806.15	99.55	 0.00	3706.60	
MW-3R MW-3R MW-3R MW-3R	9/15/21	3806.15	99.79	 0.00	3706.36	
MW-3R MW-3R MW-3R	9/23/21	3806.15	99.35	 0.00	3706.80	
MW-3R	9/30/21	3806.15	98.83	 0.00	3707.32	109.89
-	10/5/21	3806.15	98.49	 0.00	3707.66	
	10/12/21	3806.15	98.19	 0.00	3707.96	
MW-3R	10/19/21	3806.15	98.33	 0.00	3707.82	
MW-3R	10/28/21	3806.15	98.31	 0.00	3707.84	
MW-3R	11/1/21	3806.15	98.72	 0.00	3707.43	109.89
MW-3R	11/9/21	3806.15	98.79	 0.00	3707.36	109.89
MW-3R	11/23/21	3806.15	99.15	 0.00	3707.00	109.89
MW-3R MW-3R	12/7/21 12/16/21	<u>3806.15</u> 3806.15	98.93	 0.00	3707.22	109.89 109.89
MW-3R	1/5/22	3806.15	97.86	 0.00	3708.29	109.89
MW-3R	1/12/22	3806.15	99.03	 0.00	3707.12	109.89
MW-3R	1/18/22	3806.15	98.55	 0.00	3707.60	109.89
MW-3R	2/7/22	3806.15	97.72	 0.00	3708.43	109.12
MW-3R	2/15/22	3806.15	97.49	 0.00	3708.66	109.12
MW-3R	2/21/22	3806.15	97.71	 0.00	3708.44	109.12
MW-3R	3/15/22	3806.15	98.62	 0.00	3707.53	109.12
MW-3R	4/11/22	3806.15	99.83	 0.00	3706.32	109.12
MW-3R	5/10/22	3806.15	100.54	 0.00	3705.61	109.12
MW-3R	6/15/22	3806.15	99.84	 0.00	3706.31	109.12
MW-3R	7/28/22	3806.15	101.27	 0.00	3704.88	109.12
MW-3R MW-3R	8/9/22 11/21/22	3806.15 3806.15	101.51 99.99	 0.00	3704.64 3706.16	109.12 109.12
MW-3R MW-4	4/5/17	3806.67	39.99	 0.00		91.01
MW-4	6/21/17	3806.67	91.01	 0.00	Dry 3715.66	91.01
MW-4	9/25/17	3806.67		 	Dry	91.02
MW-4	11/28/17	3806.67		 	Dry	91.07
MW-4	2/23/18	3806.67		 	Dry	91.02
MW-4	5/24/18	3806.67		 	Dry	91.07
MW-4	8/23/18	3806.67		 	Dry	91.01
MW-4	9/17/18	P&A		 		
MW-4R	11/16/18	3806.67	95.20	 0.00	3711.47	110.01
MW-4R	2/18/19	3806.67	94.30	 0.00	3712.37	110.00
MW-4R	5/21/19	3806.67	94.99	 0.00	3711.68	
MW-4R MW-4R	8/23/19	3806.67 3806.67	96.99 95.75	 0.00	3709.68	

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet, NAVD88)	Total Depth of Well (Feet BTOC)
MW-4R	2/20/20	3806.67	94.22		0.00	3712.45	110.00
MW-4R	3/26/20	3806.67	94.10		0.00	3712.57	110.03
MW-4R	4/2/20	3806.67	94.84		0.00	3711.83	
MW-4R	4/10/20	3806.67	95.31		0.00	3711.36	
MW-4R	4/17/20	3806.67	95.67		0.00	3711.00	
MW-4R	4/20/20	3806.67	95.84		0.00	3710.83	
MW-4R	4/30/20	3806.67	96.27		0.00	3710.40	
MW-4R	5/6/20	3806.67	96.54		0.00	3710.13	
MW-4R	5/20/20	3806.67	97.03		0.00	3709.64	
MW-4R	6/3/20	3806.67	96.38		0.00	3710.29	
MW-4R	6/10/20	3806.67	96.13		0.00	3710.54	
MW-4R	6/17/20	3806.67	96.06		0.00	3710.61	
MW-4R	6/25/20	3806.67	96.14		0.00	3710.53	
MW-4R	7/1/20	3806.67	96.67		0.00	3710.00	
MW-4R	7/8/20	3806.67	96.97		0.00	3709.70	
MW-4R	7/15/20	3806.67	96.97		0.00	3709.70	
MW-4R	7/22/20	3806.67	97.49		0.00	3709.18	
MW-4R	7/28/20	3806.67	97.65		0.00	3709.02	
MW-4R	8/5/20	3806.67	97.73		0.00	3708.94	
MW-4R	8/11/20	3806.67	98.31		0.00	3708.36	
MW-4R	8/20/20	3806.67	98.06		0.00	3708.61	
MW-4R	8/26/20	3806.67	98.20		0.00	3708.47	
MW-4R	9/2/20	3806.67	98.38		0.00	3708.29	110.00
MW-4R	9/8/20	3806.67	98.47		0.00	3708.20	
MW-4R MW-4R	9/24/20 9/30/20	<u>3806.67</u> 3806.67	98.81		0.00	3707.86 3707.72	
MW-4R	9/30/20	3806.67	98.95 98.18		0.00	3707.72	
MW-4R	10/14/20	3806.67	97.81		0.00	3708.86	
MW-4R	10/26/20	3806.67	97.69		0.00	3708.98	
MW-4R	11/5/20	3806.67	97.48		0.00	3709.19	110.00
MW-4R	11/17/20	3806.67	97.27		0.00	3709.40	
MW-4R	11/24/20	3806.67	97.78		0.00	3708.89	
MW-4R	12/1/20	3806.67	98.20		0.00	3708.47	
MW-4R	12/8/20	3806.67	97.93		0.00	3708.74	
MW-4R	12/16/20	3806.67	97.87		0.00	3708.80	
MW-4R	12/23/20	3806.67	97.62		0.00	3709.05	
MW-4R	1/6/21	3806.67	97.23		0.00	3709.44	
MW-4R	1/13/21	3806.67	97.37		0.00	3709.30	
MW-4R	1/21/21	3806.67	97.02		0.00	3709.65	
MW-4R	1/27/21	3806.67	97.03		0.00	3709.64	
MW-4R	2/2/21	3806.67	96.88		0.00	3709.79	109.78
MW-4R	2/24/21	3806.67	96.97		0.00	3709.70	
MW-4R	3/9/21	3806.67	97.36		0.00	3709.31	
MW-4R	3/17/21	3806.67	98.35		0.00	3708.32	
MW-4R	3/18/21	3806.67	98.02		0.00	3708.65	
MW-4R	3/26/21	3806.67	98.35		0.00	3708.32	
MW-4R	3/31/21	3806.67	98.56		0.00	3708.11	
MW-4R	4/7/21	3806.67	98.31		0.00	3708.36	
MW-4R	4/12/21	3806.67	98.66		0.00	3708.01	
MW-4R	4/21/21	3806.67	98.48		0.00	3708.19	
MW-4R	4/27/21	3806.67	99.10		0.00	3707.57	
MW-4R	5/4/21	3806.67	98.67		0.00	3708.00	
MW-4R	5/14/21	3806.67	98.25		0.00	3708.42	
MW-4R	5/26/21	3806.67	97.85		0.00	3708.82	
MW-4R	6/11/21	<u>3806.67</u> 3806.67	97.72		0.00	3708.95	
MW-4R	6/17/21		98.50		0.00	3708.17	
MW-4R MW-4R	6/22/21 6/28/21	<u>3806.67</u> 3806.67	98.60 98.80		0.00 0.00	3708.07 3707.87	
MW-4R	7/7/21	3806.67	98.80		0.00	3707.87	
MW-4R	7/15/21	3806.67	98.27		0.00	3708.40	
MW-4R	7/15/21	3806.67	97.98		0.00	3708.69	
MW-4R	8/3/21	3806.67	98.17		0.00	3708.50	109.78
11111	0/0/21	3806.67	30.71		0.00	3707.73	103.10

Table 1

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet, NAVD88)	Total Depth of Well (Feet BTOC)
MW-4R	8/19/21	3806.67	99.19		0.00	3707.48	
MW-4R	8/26/21	3806.67	99.45		0.00	3707.22	
MW-4R	8/31/21	3806.67					
MW-4R	9/8/21	3806.67	99.69		0.00	3706.98	
MW-4R MW-4R	9/15/21 9/23/21	<u>3806.67</u> 3806.67	99.89 99.64		0.00	3706.78 3707.03	
MW-4R	9/23/21	3806.67	99.04		0.00	3707.41	109.78
MW-4R	10/5/21	3806.67	98.98		0.00	3707.69	
MW-4R	10/12/21	3806.67	98.70		0.00	3707.97	
MW-4R	10/19/21	3806.67	98.74		0.00	3707.93	
MW-4R	10/28/21	3806.67	98.67		0.00	3708.00	109.78
MW-4R	11/1/21	3806.67	98.99		0.00	3707.68	109.78
MW-4R	11/9/21	3806.67	99.16		0.00	3707.51	109.78
MW-4R MW-4R	11/23/21 12/7/21	<u>3806.67</u> 3806.67	99.45 99.33		0.00	3707.22 3707.34	109.78 109.78
MW-4R	12/16/21	3806.67					109.78
MW-4R	1/5/22	3806.67	98.39		0.00	3708.28	109.78
MW-4R	1/12/22	3806.67	98.79		0.00	3707.88	109.78
MW-4R	1/18/22	3806.67	98.93		0.00	3707.74	109.78
MW-4R	2/7/22	3806.67	98.15		0.00	3708.52	109.38
MW-4R	2/15/22	3806.67	98.01		0.00	3708.66	109.38
MW-4R	2/21/22	3806.67	98.05		0.00	3708.62	109.38
MW-4R MW-4R	3/3/22 3/8/22	<u>3806.67</u> 3806.67	98.27 98.68		0.00	3708.40 3707.99	109.38 109.38
MW-4R	3/15/22	3806.67	98.84		0.00	3707.83	109.38
MW-4R	3/21/22	3806.67	99.18		0.00	3707.49	109.38
MW-4R	4/1/22	3806.67	99.43		0.00	3707.24	109.38
MW-4R	4/6/22	3806.67	99.65		0.00	3707.02	109.38
MW-4R	4/11/22	3806.67	99.92		0.00	3706.75	109.38
MW-4R	4/19/22	3806.67	99.96		0.00	3706.71	109.38
MW-4R	4/29/22	3806.67	100.36		0.00	3706.31	109.38
MW-4R	5/3/22	3806.67	100.44		0.00	3706.23	109.38
MW-4R MW-4R	5/10/22 6/1/22	<u>3806.67</u> 3806.67	100.58 99.68		0.00	3706.09 3706.99	109.38 109.38
MW-4R	6/10/22	3806.67	99.70		0.00	3706.97	109.38
MW-4R	6/15/22	3806.67	100.05		0.00	3706.62	109.38
MW-4R	6/22/22	3806.67	100.44		0.00	3706.23	109.38
MW-4R	6/28/22	3806.67	100.73		0.00	3705.94	109.38
MW-4R	7/6/22	3806.67	100.88		0.00	3705.79	109.38
MW-4R	7/13/22	3806.67	101.00		0.00	3705.67	109.38
MW-4R	7/21/22	3806.67	101.19		0.00	3705.48	109.38
MW-4R	7/28/22	3806.67	101.44		0.00	3705.23	109.38
MW-4R MW-4R	8/1/22 8/9/22	<u>3806.67</u> 3806.67	101.48 101.54		0.00	3705.19 3705.13	109.38 109.38
MW-4R	8/15/22	3806.67	101.72		0.00	3704.95	109.38
MW-4R	8/31/22	3806.67	101.73		0.00	3704.94	109.38
MW-4R	9/8/22	3806.67	101.39		0.00	3705.28	109.38
MW-4R	9/29/22	3806.67	100.93		0.00	3705.74	109.38
MW-4R	10/6/22	3806.67	100.63		0.00	3706.04	109.38
MW-4R	11/9/22	3806.67	100.42		0.00	3706.25	109.38
MW-4R MW-4R	11/16/22 11/21/22	<u>3806.67</u> 3806.67	100.71 100.40		0.00	3705.96 3706.27	109.38 109.38
MW-4K	4/5/17	3806.30				Dry	91.19
MW-5	6/21/17	3806.30				Dry	91.20
MW-5	9/25/17	3806.30				Dry	91.23
MW-5	11/28/17	3806.30				Dry	91.24
MW-5	2/23/18	3806.30				Dry	91.18
MW-5	5/24/18	3806.30				Dry	91.22
MW-5	8/23/18	3806.30				Dry	91.25
MW-5	9/17/18	P&A					
MW-5R MW-5R	11/16/18 2/18/19	<u>3806.46</u> 3806.46	94.65 93.96		0.00	3711.81 3712.50	107.45
	2/10/19	3000.40	93.90		0.00	3/12.30	107.42

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet, NAVD88)	Total Depth of Well (Feet BTOC)
MW-5R	8/23/19	3806.46	96.40		0.00	3710.06	
MW-5R	10/17/19	3806.46	95.26		0.00	3711.20	
MW-5R	2/20/20	3806.46	93.92		0.00	3712.54	107.40
MW-5R	4/30/20	3806.46	95.79		0.00	3710.67	
MW-5R	5/20/20	3806.46	96.44		0.00	3710.02	
MW-5R	6/17/20	3806.46	95.60		0.00	3710.86	
MW-5R	7/28/20	3806.46	97.05		0.00	3709.41	
MW-5R	8/26/20	3806.46	97.56		0.00	3708.90	
MW-5R MW-5R	9/2/20 9/16/20	<u>3806.46</u> 3806.46	107.19 97.97		0.00	3699.27 3708.49	107.40 107.59
MW-5R	10/21/20	3806.46	97.25		0.00	3709.21	
MW-5R	11/5/20	3806.46	96.93		0.00	3709.53	107.40
MW-5R	12/8/20	3806.46	97.43		0.00	3709.03	107.40
MW-5R	1/27/21	3806.46	96.58		0.00	3709.88	
MW-5R	2/2/21	3806.46	96.45		0.00	3710.01	107.62
MW-5R	3/18/21	3806.46	97.46		0.00	3709.00	
MW-5R	3/26/21	3806.46	97.84		0.00	3708.62	
MW-5R	4/27/21	3806.46	98.52		0.00	3707.94	
MW-5R	5/4/21	3806.46	98.17		0.00	3708.29	
MW-5R	6/28/21	3806.46	98.23		0.00	3708.23	
MW-5R	7/27/21	3806.46	97.68		0.00	3708.78	
MW-5R	8/3/21	3806.46	98.19		0.00	3708.27	107.62
MW-5R	9/30/21	3806.46	98.65		0.00	3707.81	107.62
MW-5R	10/28/21	3806.46	98.15		0.00	3708.31	107.62
MW-5R	11/1/21	3806.46	98.48		0.00	3707.98	107.62
MW-5R	2/7/22	3806.46	97.77		0.00	3708.69	107.49
MW-5R	3/15/22	3806.46	98.44		0.00	3708.02	107.49
MW-5R	4/11/22	3806.46	99.34		0.00	3707.12	107.49
MW-5R	5/10/22	3806.46	99.99		0.00	3706.47	107.49
MW-5R	6/15/22	3806.46	99.54 100.71		0.00	3706.92	107.49
MW-5R MW-5R	7/28/22 8/9/22	<u>3806.46</u> 3806.46	100.71		0.00	3705.75 3705.52	107.49 107.49
MW-5R	11/9/22	3806.46	99.95		0.00	3706.51	107.49
MW-5R	11/21/22	3806.46	99.89		0.00	3706.57	107.49
MW-6	4/5/17	3806.08				Dry	92.64
MW-6	6/21/17	3806.08				Dry	92.65
MW-6	9/25/17	3806.08				Dry	92.69
MW-6	11/28/17	3806.08	92.62		0.00	3713.46	93.01
MW-6	2/23/18	3806.08				Dry	92.79
MW-6	5/24/18	3806.08				Dry	92.69
MW-6	8/23/18	3806.08				Dry	92.65
MW-6	11/16/18	3806.08			0.00	Dry	92.68
MW-6	2/18/19	3806.08			0.00	Dry	92.64
MW-6	5/21/19	3806.08			0.00	Dry	
MW-6	8/23/19	3806.08			0.00	Dry	
MW-6	10/17/19	3806.08			0.00	Dry	92.78
MW-6	2/20/20	3806.08				Dry	92.72
MW-6	4/30/20	3806.08				Dry	92.72 92.72
MW-6	5/20/20	3806.08				Dry	
MW-6 MW-6	6/17/20 7/28/20	3806.08 3806.08				Dry Dry	92.76 92.76
MW-6	8/26/20	3806.08				Dry	92.76
MW-6	9/2/20	3806.08				Dry	92.69
MW-6	10/21/20	3806.08				Dry	92.69
MW-6	11/5/20	3806.08				Dry	92.75
MW-6	12/8/20	3806.08				Dry	97.78
MW-6	1/27/21	3806.08				Dry	92.78
MW-6	2/2/21	3806.08				Dry	92.73
MW-6	3/18/21	3806.08				Dry	92.72
MW-6	3/26/21	3806.08				Dry	92.70
MW-6	4/27/21	3806.08				Dry	92.72
MW-6	5/4/21	3806.08				Dry	92.78
MW-6	6/28/21	3806.08				Dry	92.70

Table 1

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet, NAVD88)	Total Depth of Well (Feet BTOC)
MW-6	7/27/21	3806.08				Dry	92.69
MW-6	8/3/21	3806.08				Dry	92.69
MW-6	9/30/21	3806.08				Dry	92.73
MW-6	10/28/21	3806.08				Dry	92.73
MW-6	11/1/21	3806.08				Dry	92.73
MW-6	2/7/22	3806.08				Dry	92.71
MW-6	3/15/22	3806.08				Dry	92.71
MW-6	4/11/22	3806.08				Dry	92.71
MW-6	5/10/22	3806.08				Dry	92.71
MW-6	6/15/22	3806.08				Dry	92.71
MW-6	7/28/22	3806.08				Dry	92.71
MW-6	8/9/22	3806.08				Dry	92.71
MW-6	11/21/22	3806.08				Dry	92.71
MW-7	4/5/17	3806.05	93.73		0.00	3712.32	109.39
MW-7	6/21/17	3806.05	94.33		0.00	3711.72	109.38
MW-7	9/25/17	3806.05	94.42		0.00	3711.63	109.55
MW-7	11/28/17	3806.05	93.06		0.00	3712.99	109.55
MW-7	2/23/18	3806.05	93.18		0.00	3712.87	109.35
MW-7	5/24/18	3806.05	95.32		0.00	3710.73	109.43
MW-7	8/23/18	3806.05	97.63		0.00	3708.42	109.35
MW-7	11/16/18	3806.05	95.72		0.00	3710.33	109.23
MW-7	2/18/19	3806.05	94.85		0.00	3711.20	109.22
MW-7	5/21/19	3806.05	95.48		0.00	3710.57	
MW-7	8/23/19	3806.05	97.90		0.00	3708.15	
MW-7	10/17/19	3806.05	95.81		0.00	3710.24	
MW-7	2/20/20	3806.05	94.23		0.00	3711.82	109.35
MW-7	4/30/20	3806.05	97.41		0.00	3708.64	-
MW-7	5/20/20	3806.05	98.18		0.00	3707.87	-
MW-7	6/17/20	3806.05	96.46		0.00	3709.59	-
MW-7	7/28/20	3806.05	98.84		0.00	3707.21	-
MW-7	8/26/20	3806.05	99.37		0.00	3706.68	
MW-7	9/2/20	3806.05	99.58		0.00	3706.47	110.44
MW-7 MW-7	10/21/20	3806.05	98.08		0.00	3707.97 3708.42	
MW-7	11/5/20 12/8/20	3806.05 3806.05	97.63 98.42		0.00	3708.42	110.44
MW-7 MW-7	1/27/21 2/2/21	<u>3806.05</u> 3806.05	97.09 96.89		0.00	3708.96 3709.16	109.95
MW-7	3/18/21	3806.05	98.89		0.00	3709.16	109.95
MW-7	3/16/21	3806.05	99.48		0.00	3706.57	
MW-7	4/27/21	3806.05	100.35		0.00	3705.70	
MW-7	5/4/21	3806.05	99.39		0.00	3706.66	
MW-7	6/28/21	3806.05	99.53		0.00	3706.52	
					0.00		
MW-7 MW-7	7/27/21 8/3/21	<u>3806.05</u> 3806.05	98.55 99.46		0.00	3707.50 3706.59	109.95
MW-7	9/30/21	3806.05	99.65		0.00	3706.59	109.95
MW-7	10/28/21	3806.05	99.05		0.00	3706.40	109.95
MW-7	11/1/21	3806.05	99.67		0.00	3706.38	109.95
MW-7	2/7/22	3806.05	99.07		0.00	3706.38	109.95
MW-7	3/15/22	3806.05	99.63		0.00	3706.42	109.16
MW-7	4/11/22	3806.05	101.05		0.00	3705.00	109.16
MW-7	5/10/22	3806.05	101.05		0.00	3705.00	109.16
MW-7	6/15/22	3806.05	107.86		0.00	3698.19	109.16
MW-7	7/28/22	3806.05	107.60		0.00	3703.43	109.16
MW-7	8/9/22	3806.05	102.85		0.00	3703.20	109.16
MW-7	11/21/22	3806.05	102.05		0.00	3705.35	109.16
MW-8	4/5/17	3805.89	93.50		0.00	3712.39	94.88
MW-8	6/21/17	3805.89	93.50		0.00	3712.39	94.88
MW-8	9/25/17	3805.89	94.07		0.00	3711.89	94.88
MW-8	9/25/17	3805.89	94.00		0.00	3713.33	94.95
MW-8	2/23/18	3805.89	92.69		0.00	3713.20	94.95
MW-8	5/24/18	3805.89				Dry	94.92
MW-8	8/23/18	3805.89				Dry	94.92
1010.0	11/16/18	3805.89				Dry	94.88

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet, NAVD88)	Total Depth of Well (Feet BTOC)
MW-8	2/18/19	3805.89				Dry	94.87
MW-8	5/21/19	3805.89				Dry	
MW-8	8/23/19	3805.89				Dry	
MW-8	10/17/19	3805.89				Dry	94.86
MW-8	2/20/20	3805.89				Dry	93.71
MW-8 MW-8	4/30/20 5/20/20	<u>3805.89</u> 3805.89				Dry Dry	94.95 94.95
MW-8	6/17/20	3805.89				Dry	94.93
MW-8	7/28/20	3805.89				Dry	94.94
MW-8	8/26/20	3805.89				Dry	94.94
MW-8	9/2/20	3805.89				Dry	94.88
MW-8	10/21/20	3805.89				Dry	94.88
MW-8	11/5/20	3805.89				Dry	94.94
MW-8	12/8/20	3805.89				Dry	94.96
MW-8 MW-8	1/27/21 2/2/21	3805.89 3805.89				Dry Dry	95.09 95.04
MW-8	3/18/21	3805.89				Dry	95.27
MW-8	3/26/21	3805.89				Dry	94.89
MW-8	4/27/21	3805.89				Dry	94.96
MW-8	5/4/21	3805.89				Dry	95.07
MW-8	6/28/21	3805.89				Dry	94.89
MW-8	7/27/21	3805.89				Dry	94.88
MW-8	8/3/21	3805.89				Dry	94.88
MW-8	9/30/21	3805.89				Dry	95.04
MW-8 MW-8	10/28/21 11/1/21	<u>3805.89</u> 3805.89				Dry	95.04 95.04
MW-8	2/7/22	3805.89				Dry Dry	95.04
MW-8	3/15/22	3805.89				Dry	94.87
MW-8	4/11/22	3805.89				Dry	94.87
MW-8	5/10/22	3805.89				Dry	94.87
MW-8	6/15/22	3805.89				Dry	94.87
MW-8	7/28/22	3805.89				Dry	94.87
MW-8	8/9/22	3805.89				Dry	94.87
MW-8 MW-9	11/21/22	3805.89				Dry	94.87
MW-9	4/5/17 6/21/17	3806.02 3806.02	94.53 95.02		0.00	3711.49 3711.00	108.67 108.70
MW-9	9/25/17	3806.02	94.55		0.00	3711.47	108.65
MW-9	11/28/17	3806.02	92.88		0.00	3713.14	108.65
MW-9	2/23/18	3806.02	93.13		0.00	3712.89	108.64
MW-9	5/24/18	3806.02	95.65		0.00	3710.37	108.65
MW-9	8/23/18	3806.02	98.65		0.00	3707.37	108.60
MW-9	11/16/18	3806.02	96.28		0.00	3709.74	108.60
MW-9	2/18/19	3806.02	95.13		0.00	3710.89	108.45
MW-9 MW-9	5/21/19 8/23/19	3806.02 3806.02	95.70 98.50		0.00	3710.32 3707.52	
MW-9	10/17/19	3806.02	95.59		0.00	3710.43	
MW-9	2/20/20	3806.022	93.92		0.00	3712.10	108.55
MW-9	4/30/20	3806.022	98.25		0.00	3707.77	
MW-9	5/20/20	3806.022	99.04		0.00	3706.98	
MW-9	6/17/20	3806.022	96.59		0.00	3709.43	
MW-9	7/28/20	3806.022	99.75		0.00	3706.27	
MW-9	8/26/20	3806.022	100.28		0.00	3705.74	
MW-9 MW-9	9/2/20 10/21/20	<u>3806.022</u> 3806.022	100.52 98.05		0.00	3705.50 3707.97	110.13
MW-9	10/21/20	3806.022	98.05		0.00	3707.97 3708.39	110.13
MW-9	12/8/20	3806.022	98.62		0.00	3707.40	
MW-9	1/27/21	3806.022	96.91		0.00	3709.11	
MW-9	2/2/21	3806.022	96.70		0.00	3709.32	108.82
MW-9	3/18/21	3806.022	99.60		0.00	3706.42	
MW-9	3/26/21	3806.022	100.29		0.00	3705.73	
			404.00		0.00	3704.72	
MW-9 MW-9	4/27/21 5/4/21	3806.022 3806.022	101.30 99.74		0.00	3706.28	

Table 1

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet, NAVD88)	Total Depth of Well (Feet BTOC)
MW-9	7/27/21	3806.022	98.67		0.00	3707.35	
MW-9	8/3/21	3806.022	100.06		0.00	3705.96	108.82
MW-9	9/30/21	3806.022	99.67		0.00	3706.35	108.82
MW-9	10/28/21	3806.022	99.42		0.00	3706.60	108.82
MW-9	11/1/21	3806.022	100.11		0.00	3705.91	108.82
MW-9	2/7/22	3806.02	98.04		0.00	3707.98	108.65
MW-9	3/15/22	3806.02	100.09		0.00	3705.93	108.65
MW-9	4/11/22	3806.02	101.87		0.00	3704.15	108.65
MW-9	5/10/22	3806.02	102.89		0.00	3703.13	108.65
MW-9	6/15/22	3806.02	101.50		0.00	3704.52	108.65
MW-9	7/28/22	3806.02	103.60		0.00	3702.42	108.65
MW-9	8/9/22	3806.02	103.82		0.00	3702.20	108.65
MW-9	11/21/22	3806.02	100.78		0.00	3705.24	108.65
MW-10	4/5/17	3806.08				Dry	95.69
MW-10	6/21/17	3806.08				Dry	95.66
MW-10	9/25/17	3806.08	95.44		0.00	3710.64	95.76
MW-10	11/28/17	3806.08	93.06		0.00	3713.02	95.79
MW-10	2/23/18	3806.08	93.45		0.00	3712.63	95.73
MW-10	5/24/18	3806.08				Dry	95.79
MW-10	8/23/18	3806.08				Dry	95.75
MW-10	11/16/18	3806.08				Dry	95.73
MW-10	2/18/19	3806.08				Dry	95.71
MW-10	5/21/19	3806.08				Dry	
MW-10	8/23/19	3806.08				Dry	
MW-10	10/17/19	3806.08				Dry	95.70
MW-10	2/20/20	3806.08				Dry	95.80
MW-10 MW-10	4/30/20	3806.08				Dry	95.76
	5/20/20	3806.08				Dry	95.80
MW-10 MW-10	6/17/20	3806.08				Dry	95.76 95.76
MW-10	7/28/20 8/26/20	3806.08 3806.08				Dry Dry	95.76
MW-10	9/2/20	3806.08				Dry	95.70
MW-10	10/21/20	3806.08				Dry	95.72
MW-10	11/5/20	3806.08				Dry	95.80
MW-10	12/8/20	3806.08				Dry	95.80
MW-10	1/27/21	3806.08				Dry	95.82
MW-10	2/2/21	3806.08				Dry	95.82
MW-10	3/18/21	3806.08				Dry	95.88
MW-10	3/26/21	3806.08				Dry	95.76
MW-10	4/27/21	3806.08				Dry	95.83
MW-10	5/4/21	3806.08				Dry	95.84
MW-10	6/28/21	3806.08				Dry	95.76
MW-10	7/27/21	3806.08				Dry	95.75
MW-10	8/3/21	3806.08				Dry	95.75
MW-10	9/30/21	3806.08				Dry	95.82
MW-10	10/28/21	3806.08				Dry	95.82
MW-10	11/1/21	3806.08				Dry	95.82
MW-10	2/7/22	3806.08				Dry	95.76
MW-10	3/15/22	3806.08				Dry	95.76
MW-10	4/11/22	3806.08				Dry	95.76
MW-10	5/10/22	3806.08				Dry	95.76
MW-10	6/15/22	3806.08				Dry	95.76
MW-10	7/28/22	3806.08				Dry	95.76
MW-10	8/9/22	3806.08				Dry	95.76
MW-10	11/21/22	3806.08				Dry	95.76
MW-11	11/16/18	3805.88	98.80		0.00	3707.08	110.05
MW-11	2/18/19	3805.88	97.72		0.00	3708.16	110.15
MW-11	5/21/19	3805.88	97.20		0.00	3708.68	
MW-11	8/23/19	3805.88	101.02		0.00	3704.86	
MW-11	10/17/19	3805.88	95.53		0.00	3710.35	
MW-11	2/20/20	3805.88	93.83		0.00	3712.05	109.85
MW-11	4/30/20	3805.88	101.61		0.00	3704.27	
MW-11	5/20/20	3805.88	102.55		0.00	3703.33	

Table 1

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet, NAVD88)	Total Depth of Well (Feet BTOC)
MW-11	6/17/20	3805.88	97.71		0.00	3708.17	
MW-11	7/28/20	3805.88	103.21		0.00	3702.67	
MW-11	8/26/20	3805.88	103.67		0.00	3702.21	
MW-11	9/2/20	3805.88	103.92		0.00	3701.96	110.05
MW-11	10/21/20	3805.88	98.05		0.00	3707.83	
MW-11	11/5/20	3805.88	97.88		0.00	3708.00	110.05
MW-11	12/8/20	3805.88	99.00		0.00	3706.88	
MW-11	1/27/21	3805.88	96.83		0.00	3709.05	
MW-11 MW-11	2/2/21 2/24/21	<u>3805.88</u> 3805.88	96.57 99.21		0.00	3709.31 3706.67	110.20 110.06
MW-11	3/18/21	3805.88	102.98		0.00	3702.90	
MW-11	3/26/21	3805.88	102.90		0.00	3702.07	
MW-11	4/27/21	3805.88	104.69		0.00	3701.19	
MW-11	5/4/21	3805.88	100.24		0.00	3705.64	
MW-11	6/28/21	3805.88	101.69		0.00	3704.19	
MW-11	7/27/21	3805.88	99.71		0.00	3706.17	
MW-11	8/3/21	3805.88	102.77		0.00	3703.11	110.06
MW-11	9/30/21	3805.88	99.85		0.00	3706.03	110.20
MW-11	10/28/21	3805.88	101.27		0.00	3704.61	110.20
MW-11	11/1/21	3805.88	102.93		0.00	3702.95	110.20
MW-11	2/7/22	3805.88	97.94		0.00	3707.94	110.14
MW-11	3/15/22	3805.88	102.46		0.00	3703.42	110.14
MW-11	4/11/22 5/10/22	<u>3805.88</u> 3805.88	105.22		0.00	3700.66	110.14
MW-11 MW-11	6/15/22	3805.88	106.39 105.56		0.00	3699.49 3700.32	<u>110.14</u> 110.14
MW-11	7/28/22	3805.88	103.30		0.00	3697.98	110.14
MW-11	8/9/22	3805.88	107.31		0.00	3698.57	110.14
MW-11	11/21/22	3805.88	101.04		0.00	3704.84	110.14
MW-12	11/16/18	3806.04	96.95		0.00	3709.09	110.07
MW-12	2/18/19	3806.04	95.93		0.00	3710.11	110.04
MW-12	5/21/19	3806.04	96.23		0.00	3709.81	
MW-12	8/23/19	3806.04	99.53		0.00	3706.51	
MW-12	10/17/19	3806.04	95.73		0.00	3710.31	
MW-12	2/20/20	3806.04	93.96		0.00	3712.08	110.01
MW-12	3/26/20	3806.04	94.67		0.00	3711.37	110.07
MW-12	4/2/20	3806.04	96.80		0.00	3709.24	
MW-12	4/10/20	3806.04	97.92		0.00	3708.12	
MW-12 MW-12	4/17/20	3806.04	98.60		0.00	3707.44	
MW-12 MW-12	4/20/20 4/30/20	<u>3806.04</u> 3806.04	98.82 99.46		0.00	3707.22 3706.58	
MW-12	5/6/20	3806.04	99.80		0.00	3706.24	
MW-12	5/12/20	3806.04	100.10		0.00	3705.94	
MW-12	5/20/20	3806.04	100.35		0.00	3705.69	
MW-12	6/17/20	3806.04					
MW-12	7/28/20	3806.04					
MW-12	8/26/20	3806.04	101.62		0.00	3704.42	
MW-12	9/2/20	3806.04	101.80		0.00	3704.24	110.01
MW-12	10/21/20	3806.04					
MW-12	11/5/20	3806.04	97.89		0.00	3708.15	110.01
MW-12	12/8/20	3806.04			0.00		110.01
MW-12	1/27/21	3806.04			0.00		
MW-12	2/2/21	3806.04	96.76		0.00	3709.28	110.09
MW-12 MW-12	3/18/21 3/26/21	<u>3806.04</u> 3806.04	100.79 101.58		0.00	3705.25 3704.46	110.09
MW-12	4/27/21	3806.04	101.58		0.00	3704.46	
MW-12	5/4/21	3806.04	102.30		0.00	3705.88	
MW-12	6/28/21	3806.04			0.00		
MW-12	7/27/21	3806.04	99.18		0.00	3706.86	
MW-12	8/3/21	3806.04	101.06		0.00	3704.98	110.09
MW-12	9/30/21	3806.04	99.99		0.00	3706.05	110.09
MW-12	10/28/21	3806.04	99.99		0.00	3706.05	110.09
MW-12	11/1/21	3806.04	101.06		0.00	3704.98	110.09
MW-12	2/7/22	3806.04	98.99		0.00	3707.05	110.07

Summary of Groundwater Gauging and Elevation Data Plains Pipeline, L.P. Lovington Gathering WTI SRS #2006-142 Lea County, New Mexico NMOCD AP-96

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet, NAVD88)	Total Depth of Well (Feet BTOC)
MW-12	3/15/22	3806.04	100.88		0.00	3705.16	110.07
MW-12	4/11/22	3806.04					110.07
MW-12	5/10/22	3806.04	104.81		0.00	3701.23	110.07
MW-12	6/15/22	3806.04					110.07
MW-12	7/28/22	3806.04	104.90		0.00	3701.14	110.07
MW-12	8/1/22	3806.04	105.01		0.00	3701.03	110.07
MW-12	8/9/22	3806.04	105.08		0.00	3700.96	110.07
MW-12	8/15/22	3806.04	105.27		0.00	3700.77	110.07
MW-12	8/31/22	3806.04	104.21		0.00	3701.83	110.07
MW-12	9/8/22	3806.04	103.77		0.00	3702.27	110.07
MW-12	9/23/22	3806.04	102.74		0.00	3703.30	110.07
MW-12	9/29/22	3806.04	101.57		0.00	3704.47	110.07
MW-12	10/6/22	3806.04	100.94		0.00	3705.10	110.07
MW-12	11/16/22	3806.04	102.27		0.00	3703.77	110.07
MW-12	11/21/22	3806.04	100.94		0.00	3705.10	110.07

Notes:

1. Monitoring well gauging data listed prior to October 2016 were reported by Basin Environmental Service Technologies, LLC

2. NAVD88 - North American Vertical Datum of 1988

3. BTOC - Below Top-Of-Casing

4. -- = No gauging data collected on corresponding date

5. Dry - No fluid column measured in corresponding monitoring well

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
Commission (N	ter Quality Control IMWQCC) Human Standards	0.01	0.75	0.75	0.62
MW-1	4/5/17	Dry			
MW-1	6/21/17	Dry			
MW-1	9/25/17	Dry			
MW-1	11/28/17	Dry			
MW-1	2/23/18	Dry			
MW-1	5/25/18	Dry			
MW-1	8/29/18	Dry			
MW-1	9/17/18	P&A			
MW-1R	11/16/18	0.425	<0.000412	<0.000160	0.000760 J
MW-1R	2/19/19	0.243	<0.000412	<0.000160	<0.000510
MW-1R	5/22/19	0.0594	<0.000412	<0.000160	<0.000510
MW-1R	8/23/19	0.709	<0.000412	<0.000160	0.00640 J
MW-1R	10/18/19	0.530	<0.00206	<0.000800	<0.00255
MW-1R	2/21/20	0.170	<0.00206	<0.000800	<0.00255
MW-1R	5/21/20	0.513	<0.000412	<0.000160	<0.000720
MW-1R	9/3/20	0.162	0.000813 J	<0.000160	0.000787 J
MW-1R	11/5/20	0.458	<0.00412	<0.00160	<0.00510
MW-1R	2/3/21	0.00131	<0.000412	<0.000160	<0.000510
MW-1R (DUP)	2/3/21	0.00104	<0.000412	<0.000160	<0.000510
MW-1R	3/19/21	0.138	<0.000412	<0.000160	0.00593 J
MW-1R	5/5/21	0.0956	<0.000412	<0.000160	<0.000510
MW-1R	8/4/21	0.0702	<0.000412	<0.000160	0.00713 J
MW-1R	11/2/21	0.0570	<0.000412	<0.000160	<0.000510
MW-1R	2/8/22	0.0141	<0.000412	<0.000160	<0.000510
MW-1R	5/11/22	0.00224	<0.000412	<0.000160	<0.000510
MW-1R	8/10/22	0.00371	<0.000412	<0.000160	<0.000510
MW-1R	11/21/22	0.00460	<0.000412	<0.000160	<0.000510
MW-2	4/5/17	Dry			
MW-2	6/21/17	Dry			
MW-2	9/25/17	Dry			
MW-2	11/28/17	Dry			
MW-2	2/23/18	Dry			
MW-2	5/25/18	Dry Dry			
MW-2 MW-2	8/29/18	Dry			
	9/17/18	P&A			
MW-2R	11/16/18	0.163	<0.000412	<0.000160	0.00198
MW-2R	2/19/19	0.0944	<0.000412	<0.000160	0.00102 J 0.00104 J
MW-2R MW-2R	5/22/19	0.0124	<0.000412	<0.000160	
MW-2R	8/23/19 10/18/19	0.212	<0.000412	<0.000160	0.00102 J
MW-2R MW-2R	2/21/20	0.223	<0.000412	<0.000160	0.000602 J
MW-2R	5/21/20	0.0969 0.0987	<0.000412 <0.000412	<0.000160 <0.000160	0.000801 J <0.000510

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
Commission (N	ter Quality Control IMWQCC) Human Standards	0.01	0.75	0.75	0.62
MW-2R	9/3/20	0.0773	<0.000412	<0.000160	<0.000510
MW-2R	11/5/20	0.0924	<0.000412	<0.000160	<0.000510
MW-2R	2/3/21	1.42	<0.000412	<0.000160	<0.000510
MW-2R	3/19/21	0.0877	<0.000412	<0.000160	<0.000510
MW-2R	5/5/21	0.132	<0.000412	<0.000160	<0.000510
MW-2R	8/4/21	0.0388	<0.000412	<0.000160	<0.000510
MW-2R	11/2/21	0.00691	<0.000412	<0.000160	<0.000510
MW-2R	2/8/22	0.0403	<0.000412	<0.000160	< 0.000510
MW-2R	5/11/22	0.117	<0.000412	<0.000160	< 0.000510
MW-2R	8/10/22	0.0468	<0.000412	<0.000160	0.00149 J
MW-2R	11/21/22	0.0280	<0.000412	<0.000160	< 0.000510
MW-3	6/21/17	Dry	<0.000412	<0.000100	<0.000310
MW-3	9/25/17	Dry			
MW-3	11/28/17	Dry			
MW-3	2/23/18	Dry			
MW-3	5/25/18	Dry			
MW-3	8/29/18	Dry			
MW-3	9/17/18	P&A			
MW-3R	11/16/18	0.0243	<0.000412	0.00134	0.00318
MW-3R	2/19/19	0.00102	<0.000412	<0.000160	<0.000510
MW-3R	5/22/19	0.0208	<0.000412	0.000553	0.00713 J
MW-3R	8/23/19	0.0223	0.000645 J	0.00326	0.00295
MW-3R	10/18/19	0.0303	0.00199	0.0029	0.00280
MW-3R (DUP)	10/18/19	0.0220	<0.000412	0.00204	0.00217
MW-3R	2/21/20	0.0114	<0.000412	0.000698	0.000937 J
MW-3R	5/21/20	0.000684	<0.000412	<0.000160	<0.000510
MW-3R	9/3/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-3R	11/5/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-3R (DUP)	11/5/20	<0.000190	<0.000412	0.000364 J	0.00112 J
MW-3R	2/3/21	0.000235 J	<0.000412	<0.000160	<0.000510
MW-3R	3/18/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-3R	5/5/21	< 0.000190	< 0.000412	<0.000160	<0.000510
MW-3R	8/4/21	< 0.000190	< 0.000412	< 0.000160	<0.000510
MW-3R	11/1/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-3R	2/8/22	<0.000190	<0.000412	< 0.000160	<0.000510
MW-3R MW-3R	5/11/22 8/10/22	<0.000190 <0.000190	<0.000412 <0.000412	0.00563 <0.000160	0.000615 J <0.000510
MW-3R	11/21/22	<0.000190 0.0642	<0.000412	<0.000160	<0.000510
MW-4	4/5/17	0.0642 Dry	<0.00041Z	<0.000100	<0.000310
MW-4	6/21/17	Dry			
MW-4	9/25/17	Dry			
MW-4	11/28/17	Dry			
MW-4	2/23/18	Dry			
MW-4	5/25/18	Dry			
MW-4	8/29/18	Dry			

	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.75	0.75	0.62
9/17/18	P&A			
11/16/18	1.10	<0.000412	<0.000160	0.0226
2/19/19	1.49	<0.000412	<0.000160	0.00903
5/22/19	0.537	<0.00206	<0.000800	0.00569 J
8/23/19	1.15	<0.00824	<0.00320	<0.0102
8/23/19	1.27	<0.000412	<0.000160	0.00547
10/18/19	1.29	<0.00412	<0.00160	<0.00510
2/21/20	1.04	<0.00412	<0.00160	0.0119 J
5/21/20	0.918	<0.000412	<0.000160	0.00132 J
9/3/20	1.58 J6	<0.000412	<0.000160	<0.000510
11/5/20	2.43	<0.00824	<0.00320	<0.0102
2/3/21	0.000935	<0.000412	<0.000160	<0.000510
3/19/21	1.07	<0.000412	<0.000160	0.00821 J
3/18/21	0.961	<0.000412	<0.000160	0.000588 J
5/5/21	1.31	<0.000412	<0.000160	<0.000510
5/5/21	1.36	<0.000412	<0.000160	<0.000510
8/4/21	1.61	<0.000412	<0.000160	<0.000510
8/4/21	1.61	<0.000412	<0.000160	<0.000510
11/2/21	1.48	<0.00412	<0.00160	<0.00510
11/2/21	1.54	<0.000412	<0.000160	0.00571
2/8/22	0.505	<0.00412	<0.00160	<0.00510
2/8/22	0.489	<0.00412	<0.00160	<0.00510
5/11/22	0.675	<0.00412	0.000424 J	<0.00510
8/10/22	0.115	<0.00412	<0.00160	<0.00510
11/21/22	0.276	<0.00412	<0.00160	<0.00510
4/5/17	Dry			
6/21/17	Dry			
9/25/17	Dry			
11/28/17				
	÷			
	WQCC) Human andards 9/17/18 11/16/18 2/19/19 5/22/19 8/23/19 8/23/19 10/18/19 2/21/20 5/21/20 9/3/20 11/5/20 2/3/21 3/19/21 3/19/21 3/18/21 5/5/21 8/4/21 8/4/21 11/2/21 11/2/21 2/8/22 2/8/22 5/11/22 8/10/22 11/21/22 4/5/17 6/21/17 9/25/17	WQCC) Human andards 0.01 9/17/18 P&A 11/16/18 1.10 2/19/19 1.49 5/22/19 0.537 8/23/19 1.15 8/23/19 1.27 10/18/19 1.29 2/21/20 1.04 5/21/20 0.918 9/3/20 1.58 J6 11/5/20 2.43 2/3/21 0.000935 3/19/21 1.07 3/18/21 0.961 5/5/21 1.36 8/4/21 1.61 8/4/21 1.61 11/2/21 1.48 11/2/21 1.48 11/2/21 1.54 2/8/22 0.505 2/8/22 0.489 5/11/22 0.675 8/10/22 0.115 11/21/22 0.276 4/5/17 Dry 9/25/17 Dry 9/25/17 Dry 11/28/17 Dry 8/29/18	IWQCC) Human andards 0.01 0.75 9/17/18 P&A 11/16/18 1.10 <0.000412	WQCC) Human andards 0.01 0.75 0.75 9/17/18 P&A 11/16/18 1.10 <0.000412

Table 2

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
Commission (N	ter Quality Control IMWQCC) Human Standards	0.01	0.75	0.75	0.62
MW-5R	11/16/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-5R	2/19/19	0.000239 J	<0.000412	<0.000160	<0.000510
MW-5R	5/22/19	0.000313 J	<0.000412	<0.000160	<0.000510
MW-5R	8/23/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-5R	10/18/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-5R	2/21/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-5R	5/21/20	< 0.000190	< 0.000412	<0.000160	<0.000510
MW-5R (DUP)	5/21/20	< 0.000190	<0.000412	<0.000160	<0.000510
MW-5R	9/3/20	< 0.000190	<0.000412	<0.000160	<0.000510
MW-5R	11/5/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-5R	2/3/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-5R	3/18/21	< 0.000190	<0.000412	<0.000160	0.000788 J
MW-5R	5/4/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-5R	8/4/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-5R	11/1/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-5R	2/8/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-5R	5/11/22	<0.000190	<0.000412	0.000489 J	0.000780 J
MW-5R	8/10/22	0.0698	<0.000412	<0.000160	<0.000510
MW-5R	11/21/22	0.3870	0.00217	0.002120	0.000874 J
MW-6	4/5/17	Dry			
MW-6	6/21/17	Dry			
MW-6	9/25/17	Dry			
MW-6	11/28/17	Dry			
MW-6	2/19/19	Dry			
MW-6	5/22/19	Dry			
MW-6	8/23/19	Dry			
MW-6	10/18/19	Dry			
MW-6	2/21/20	Dry			
MW-6 MW-6	5/21/20 9/3/20	Dry Dry			
MW-6	11/5/20	Dry			
MW-6	2/3/21	Dry			
MW-6	3/18/21	Dry			
MW-6	5/4/21	Dry			
MW-6	8/4/21	Dry			
MW-6	11/21/21	Dry			
MW-7	4/5/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-7	6/21/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-7	9/25/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-7	11/28/17	<0.00200	<0.00200	< 0.00200	<0.00200
MW-7	2/23/18	<0.000408	<0.000367	<0.000657	<0.000630
MW-7	5/25/18	<0.000408	<0.000367	<0.000657	<0.000630
MW-7 (DUP)	5/25/18	<0.000408	<0.000367	<0.000657	<0.000630
MW-7	8/29/18	<0.000500	<0.00100	<0.000500	<0.00150

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
Commission (N	New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.75	0.75	0.62
MW-7	11/16/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-7	2/19/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-7	5/22/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-7	8/23/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-7	10/18/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-7	2/21/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-7	5/21/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-7	9/3/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-7	11/5/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-7	2/3/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-7	3/18/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-7	5/4/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-7	8/3/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-7	11/1/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-7	2/7/22	0.000266 J	<0.000412	<0.000160	<0.000510
MW-7	5/11/22	<0.000190	<0.000412	0.000411 J	<0.000510
MW-7	8/10/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-7	11/21/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-8	4/5/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-8	9/25/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-8	5/25/18	Dry			
MW-8	8/29/18	Dry			
MW-8	11/16/18	Dry			
MW-8	2/19/19	Dry			
MW-8	5/22/19	Dry			
MW-8	8/23/19	Dry			
MW-8	10/18/19	Dry			
MW-8	2/21/20	Dry			
MW-8	5/21/20	Dry			
MW-8	9/3/20	Dry			
MW-8	11/5/20	Dry			
MW-8	2/3/21	Dry			
MW-8	3/18/21	Dry			
MW-8	5/4/21	Dry			
MW-8	8/4/21	Dry			
MW-8	11/21/21	Dry			

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
Commission (N	ter Quality Control IMWQCC) Human Standards	0.01	0.75	0.75	0.62
MW-9	4/5/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-9(DUP)	4/5/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-9	6/21/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-9 D(DUP)	6/21/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-9	9/25/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-9 (DUP)	9/25/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-9	11/28/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-9 (DUP)	11/28/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-9	2/23/18	<0.000408	< 0.000367	<0.000657	<0.000630
MW-9	5/25/18	<0.000408	<0.000367	<0.000657	<0.000630
MW-9	8/29/18	< 0.000500	<0.00100	0.00289	0.00249
MW-9 (DUP)	8/29/18	<0.000500	<0.00100	<0.000500	<0.00150
MW-9	11/16/18	< 0.000190	< 0.000412	< 0.000160	<0.000510
MW-9	2/19/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-9	5/22/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-9	8/23/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-9	10/18/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-9	2/21/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-9	5/21/20	<0.000190	< 0.000412	< 0.000160	<0.000510
MW-9	9/3/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-9	11/5/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-9	2/3/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-9	3/18/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-9	5/5/21	< 0.000190	< 0.000412	< 0.000160	<0.000510
MW-9	8/3/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-9	11/1/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-9	2/7/22	< 0.000190	< 0.000412	< 0.000160	<0.000510
MW-9	5/11/22	0.000249 J	<0.000412	<0.000160	<0.000510
MW-9	8/10/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-9	11/21/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-10	4/5/17	Dry			
MW-10	6/21/17	Dry			
MW-10	9/25/17	Dry			
MW-10	11/28/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-10	2/23/18	<0.000408	<0.000367	<0.000657	<0.000630
MW-10 (DUP)	2/23/18	<0.000408	< 0.000367	<0.000657	<0.000630
MW-10	5/25/18	Dry			
MW-10	8/29/18	Dry			
MW-10	11/16/18	Dry			
MW-10	5/22/19	Dry			
MW-10	8/23/19	Dry			
MW-10	10/18/19	Dry			
MW-10	2/21/20	Dry			
MW-10	5/21/20	Dry			
MW-10	9/3/20	Dry			
MW-10	11/5/20	Dry			

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
Commission (N	er Quality Control MWQCC) Human itandards	0.01	0.75	0.75	0.62
MW-10	2/3/21	Dry			
MW-10	3/18/21	Dry			
MW-10	5/4/21	Dry			
MW-10	8/3/21	Dry			
MW-10	2/7/22	Dry			
MW-10	5/10/22	Dry			
MW-10	8/9/22	Dry			
MW-10	11/21/22	Dry			
MW-11	11/16/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-11	2/19/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-11	5/22/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-11	8/23/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-11	10/18/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-11	2/21/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-11	5/21/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-11	9/3/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-11	11/5/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-11	2/3/21	0.381	<0.000412	<0.000160	<0.000510
MW-11	2/24/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-11	3/18/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-11	5/5/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-11	8/3/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-11	11/1/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-11	2/7/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-11	5/11/22	<0.000190	<0.000412	0.000409 J	<0.000510
MW-11	8/10/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-11	11/21/22	0.000212 J	<0.000412	<0.000160	<0.000510
MW-12	11/16/18	0.0481	<0.000412	<0.000160	0.00116 J
MW-12	2/19/19	0.0649	<0.000412	<0.000160	0.00144 J
MW-12	5/22/19	0.0445	<0.000412	<0.000160	0.00350
MW-12 (DUP)	5/22/19	0.0374	<0.000412	<0.000160	0.00351
MW-12	8/23/19	0.309	<0.00206	<0.00800	0.00727 J
MW-12	10/18/19	0.869	<0.00206	<0.00800	0.00445 J
MW-12 (DUP)	10/18/19	0.714	<0.000412	<0.000160	0.00535
MW-12	2/21/20	0.931	<0.000412	<0.000160	0.00269 J
MW-12 (DUP)	2/21/20	0.124	<0.000412	<0.000160	0.000625 J
MW-12	5/21/20	0.599	<0.000412	<0.000160	0.00160
MW-12 (DUP)	5/21/20	0.583	<0.000412	<0.000160	0.00113
MW-12	9/3/20	0.336	0.00488 J	<0.000160	0.00609 J
MW-12	11/5/20	1.28	<0.00412	< 0.00160	<0.00510
MW-12	2/3/21	0.00464	< 0.000412	<0.000160	<0.000510
MW-12	3/18/21	0.355	<0.000412	< 0.000160	0.00284 J
MW-12	5/5/21	0.880	< 0.000412	<0.000160	<0.000510
MW-12	8/3/21	0.105	<0.000412	<0.000160	0.000783 J
MW-12	11/2/21	0.233	<0.000412	<0.000160	<0.000510

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
Commission (N	er Quality Control MWQCC) Human Standards	0.01	0.75	0.75	0.62
MW-12	2/7/22	0.391	<0.000412	0.000162 J	0.00103 J
MW-12	5/11/22	0.291	<0.000412	0.000406 J	<0.000510
MW-12	9/13/22	0.137	<0.000412	<0.000160	<0.000510
MW-12	11/21/22	0.632	<0.000412	<0.000160	<0.000510
MW-12 (DUP)	11/21/22	0.475	<0.000412	<0.000160	<0.000510
Goff Dairy Well	4/5/17	<0.00200	<0.00200	<0.00200	<0.00200
Goff Dairy Well	6/21/17	<0.00200	< 0.00200	<0.00200	< 0.00200
Goff Dairy Well	9/7/17	<0.00200	<0.00200	<0.00200	<0.00200
Goff Dairy Well	3/21/18	<0.000408	0.000640 J	<0.000657	<0.000630
Goff Dairy Well	6/20/18	<0.000408	<0.000367	<0.000657	<0.000630
Goff Dairy Well	8/29/18	<0.000500	<0.00100	<0.000500	<0.00150
Goff Dairy Well	11/16/18	<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy Well DUP-2	11/16/18	<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy Well	2/19/19	<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy Well	5/22/19	Off			
Goff Dairy Well	8/23/19	0.000260 J	<0.000412	<0.000160	<0.000510
Goff Dairy Well	10/18/19	Off			
Goff Dairy Well	4/1/20	<0.000190	<0.000412	<0.000160	0.000850 J
Goff Dairy Well	7/2/20	<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy Well	9/3/20	<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy Well	11/5/20	Off			
Goff Dairy Well	3/18/21	Off			
Goff Dairy Well	6/11/21	0.000795	<0.000412	<0.000160	<0.000510
Goff Dairy Well	8/4/21	Off			
Goff Dairy Well	11/1/21	0.000452 J	<0.000412	<0.000160	<0.000510
Goff Dairy Well	8/9/22	0.000498 J	<0.000412	<0.000160	<0.000510
Goff Dairy Well	11/21/22	Off			
Goff Dairy - Ctr. Pivot Well	4/5/17	<0.00200	<0.00200	<0.00200	<0.00200
Goff Dairy - Ctr. Pivot Well	6/21/17	<0.00200	<0.00200	<0.00200	<0.00200
Goff Dairy - Ctr. Pivot Well	9/7/17	<0.00200	<0.00200	<0.00200	<0.00200
Goff Dairy - Ctr. Pivot Well	3/21/18	<0.000408	<0.000367	<0.000657	<0.000630
Goff Dairy - Ctr. Pivot Well	6/20/18	<0.000408	<0.000367	<0.000657	<0.000630
Goff Dairy - Ctr. Pivot Well	8/29/18	<0.000500	<0.00100	<0.000500	<0.00150
Goff Dairy - Ctr. Pivot Well	11/16/18	<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy - Ctr. Pivot Well (Dup1)	11/16/18	<0.000190	<0.000412	<0.000160	<0.000510

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
Goff Dairy - Ctr. Pivot Well	2/19/19	<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy - Ctr. Pivot Well (Dup)	2/19/19	0.000299 J	<0.000412	<0.000160	<0.000510
Goff Dairy - Ctr. Pivot Well (Dup1)	5/22/19	Off	-	-	
Goff Dairy - Ctr. Pivot Well	8/23/19	<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy - Ctr. Pivot Well	10/18/19	Off			
Goff Dairy - Ctr. Pivot Well	3/26/20	<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy - Ctr. Pivot Well	7/2/20	<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy - Ctr. Pivot Well	9/24/20	<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy - Ctr. Pivot Well	11/5/20	Off			
Goff Dairy - Ctr. Pivot Well	3/18/21	Off			
Goff Dairy - Ctr. Pivot Well	6/11/21	<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy - Ctr. Pivot Well	8/4/21	Off			
Goff Dairy - Ctr. Pivot Well	11/1/21	<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy - Ctr. Pivot Well	2/21/22	<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy - Ctr. Pivot Well	8/9/22	0.000216 J	<0.000412	<0.000160	<0.000510
Goff Dairy - Ctr. Pivot Well	11/21/22	Off			

Table 2

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
Goff Dairy Ctr. Pivot Beg.	4/5/17	<0.00200	<0.00200	<0.00200	<0.00200
Goff Dairy Ctr. Pivot Beg.	6/21/17	<0.00200	<0.00200	<0.00200	<0.00200
Goff Dairy Ctr. Pivot Beg.	9/7/17	<0.00200	<0.00200	<0.00200	<0.00200
Goff Dairy Ctr. Pivot Beg.	3/21/18	<0.000408	0.000630 J	<0.000657	<0.000630
Goff Dairy Ctr. Pivot Beg.	6/20/18	<0.000408	<0.000367	<0.000657	<0.000630
Goff Dairy Ctr. Pivot Beg.	8/29/18	<0.000500	<0.00100	<0.000500	<0.00150
Goff Dairy Ctr. Pivot Beg.	11/16/18	<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy Ctr. Pivot Beg.	2/19/19	<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy Ctr. Pivot Beg.	5/22/19	Off			
Goff Dairy Ctr. Pivot Beg.	8/23/19	<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy Ctr. Pivot Beg.	10/18/19	Off			
Goff Dairy Ctr. Pivot Beg.	3/26/20	<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy Ctr. Pivot Beg.	7/2/20	<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy Ctr. Pivot Beg.	9/24/20	<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy Ctr. Pivot Beg.	11/5/20	Off			
Goff Dairy Ctr. Pivot Beg.	3/18/21	Off			
Goff Dairy Ctr. Pivot Beg.	6/11/21	0.000347 J	<0.000412	<0.000160	<0.000510
Goff Dairy Ctr. Pivot Beg.	8/4/21	Off			
Goff Dairy Ctr. Pivot Beg.	11/1/21	<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy Ctr. Pivot Beg.	2/21/22	0.000355 J	<0.000412	<0.000160	<0.000510
Goff Dairy Ctr. Pivot Beg.	8/9/22	0.000219 J	<0.000412	<0.000160	<0.000510
Goff Dairy Ctr. Pivot Beg.	11/21/22	Off			
Goff Dairy Ctr. Pivot End	4/5/17	<0.00200	<0.00200	<0.00200	<0.00200

Table 2

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
Goff Dairy Ctr. Pivot End	6/21/17	<0.00200	<0.00200	<0.00200	<0.00200
Goff Dairy Ctr. Pivot End	9/7/17	<0.00200	<0.00200	<0.00200	<0.00200
Goff Dairy Ctr. Pivot End	3/21/18	<0.000408	0.000650 J	<0.000657	<0.000630
Goff Dairy Ctr. Pivot End	6/20/18	<0.000408	<0.000367	<0.000657	<0.000630
Goff Dairy Ctr. Pivot End	8/29/18	<0.000500	<0.00100	<0.000500	<0.00150
Goff Dairy Ctr. Pivot End	11/16/18	<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy Ctr. Pivot End	2/19/19	0.000228 J	<0.000412	<0.000160	<0.000510
Goff Dairy Ctr. Pivot End	5/22/19	Off			
Goff Dairy Ctr. Pivot End	8/23/19	<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy Ctr. Pivot End	10/18/19	Off			
Goff Dairy Ctr. Pivot End	3/26/20	<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy Ctr. Pivot End	7/2/20	<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy Ctr. Pivot End	9/3/20	<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy Ctr. Pivot End	11/5/20	Off			
Goff Dairy Ctr. Pivot End	3/18/21	Off			
Goff Dairy Ctr. Pivot End	6/11/21	0.000300 J	<0.000412	<0.000160	<0.000510
Goff Dairy Ctr. Pivot End	8/4/21	Off			
Goff Dairy Ctr. Pivot End	11/1/21	<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy Ctr. Pivot End	2/21/22	0.000363 J	<0.000412	<0.000160	<0.000510
Goff Dairy Ctr. Pivot End	8/9/22	<0.000190	0.000637 J	0.000304 J	0.00111 J
Goff Dairy Ctr. Pivot End	11/21/22	Off			
JW House Well	4/5/17	<0.00200	<0.00200	<0.00200	<0.00200
JW House Well	6/21/17	<0.00200	<0.00200	<0.00200	<0.00200
JW House Well	9/25/17	<0.00200	<0.00200	<0.00200	<0.00200
JW House Well	11/28/17	<0.00200	<0.00200	<0.00200	<0.00200

Summary of Groundwater Analytical Results Plains Pipeline, L.P. Lovington Gathering WTI SRS #2006-142 Lea County, New Mexico NMOCD AP-96

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
JW House Well	2/23/18	<0.000408	<0.000367	<0.000657	<0.000630
JW House Well	5/25/18	<0.000408	<0.000367	<0.000657	<0.000630
JW House Well	8/29/18	<0.000500	<0.00100	<0.000500	<0.00150
JW House Well	11/16/18	<0.000190	<0.000412	<0.000160	<0.000510
JW House Well	2/19/19	NSC			
JW House Well	5/22/19	NSC			
JW House Well	8/23/19	0.000242 J	<0.000412	<0.000160	<0.000510
JW House Well	12/3/19	<0.000190	<0.000412	<0.000160	<0.000510
JW House Well	2/21/20	NSC			
JW House Well	5/21/20	NSC			
JW House Well	9/3/20	NSC			
JW House Well	11/5/20	NSC			
JW House Well	3/18/21	NSC			
JW House Well	6/11/21	NSC			
JW House Well	8/4/21	NSC			
JW House Well	11/1/21	<0.000190	<0.000412	<0.000160	<0.000510
JW House Well	8/10/22	0.000236 J	<0.000412	<0.000160	<0.000510
JW House Well	11/21/22	<0.000190	<0.000412	<0.000160	<0.000510
Trip Blank	11/16/18	<0.000190	<0.000412	<0.000160	<0.000510
Trip Blank	5/22/19	<0.000190	<0.000412	0.000286 J	0.00092 J
Trip Blank	5/21/20	<0.000190	<0.000412	<0.000160	<0.000510
Trip Blank	11/21/22	0.000196 J	<0.000412	<0.000160	<0.000510

Notes:

1. Sample results listed prior to October 11, 2016 were collected and reported by Basin Environmental Service Technologies, LLC

2. Benzene, toluene, ethylbenzene, and total xylenes (BTEX) analysis by Environmental Protection Agency (EPA) Method SW846-8021B

3. All reported concentrations are reported as milligrams per Liter (mg/L)

4. Bold font Indicates laboratory detection.

5. Yellow shaded cells indicate results exceeding NMWQCC Human Health Standards

6. < = Not detected above the Sample Detection Limit

7. J = Denotes an estimated concentration detected above the Sample Detection Limit and below the Method Quantitation Limit

8. DUP - Duplicate Sample

9. Dry - No fluid column measured in monitoring well

10. NSC - No Sample Collected

11. -- = No analytical data reported for corresponding date

12. P&A - Plugged & Abandoned

13. Off - Goff Dairy center pivot irrigation well and system not in seasonal operation
Table 3

Summary of Groundwater PAH Compound Analytical Results Plains Pipeline, L.P. Lovington Gathering WTI SRS #2006-142 Lea County, New Mexico NMOCD AP-96

Monitoring Well ID	Sample Date	Anthracene	Acenaphthene	Acenaphthylene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzolg, h, i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Dibenzofuran	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	1-Methylnaphthalene	2-Methylnaphthalene
Control C	Water Quality ommission n Health Standards	0.001	0.001	0.001	0.001	0.0002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.03	0.001	0.001	0.03	0.03
MW-1	12/2/08	<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	< 0.005	<0.005	<0.005
MW-1	12/18/09	<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	<0.005	<0.005	<0.005
MW-1R	11/16/18	<0.0000140	<0.0000100	<0.0000120	<0.0000410	<0.0000116	<0.0000212	<0.0000227	<0.0000136	<0.0000108	<0.0000396	0.0000590	<0.0000157	0.0000101	<0.0000148	0.00169	0.0000203 J	<0.0000117	0.000828	0.000483
MW-1R	10/18/19	<0.0000140	<0.0000100	<0.0000120	<0.00000410	<0.0000116	<0.0000212	<0.0000227	<0.0000136	<0.0000108	<0.0000396	0.000234	<0.0000157	0.0000339 J	<0.0000148	0.000829	0.0000407 J	<0.0000117	0.000471	0.000254
MW-2	12/2/08	<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	<0.005	<0.005	<0.005
MW-2	12/18/09	<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	<0.005	<0.005	<0.005
MW-2R	11/16/18	<0.0000140	<0.0000100	<0.0000120	<0.0000410	<0.0000116	<0.0000212	<0.0000227	<0.0000136	<0.0000108	<0.0000396	0.0000139 J	<0.0000157	<0.0000850	<0.0000148	0.000817	<0.0000820	<0.0000117	0.000365	0.000131 J
MW-2R	10/18/19	<0.0000140	<0.0000100	<0.0000120	<0.00000410	<0.0000116	<0.0000212	<0.0000227	<0.0000136	<0.0000108	<0.0000396	0.0000332 J	<0.0000157	0.0000120 J	<0.0000148	0.000565	0.0000250 J	<0.0000117	0.000263	0.000109 J
MW-3 MW-3	12/2/08 12/18/09	<0.005	<0.005	<0.005	< 0.005	<0.005 <0.005	<0.005 <0.005	<0.005 <0.005	< 0.005	<0.005 <0.005	<0.005	NA NA	< 0.005	<0.005 <0.005	<0.005	<0.005	<0.005	<0.005	<0.005 <0.005	<0.005
MW-3R	12/18/09	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.0005	<0.0005	<0.005 <0.000136	<0.0005	<0.000396	0.00000138 J	<0.005	<0.000	<0.0005	<0.005	<0.005 <0.0000820	<0.005	<0.005	<0.000
MW-3R MW-3R	10/18/19	<0.0000140	<0.0000100	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	0.00000138 J	<0.0000157	<0.00000850	<0.0000148	0.000671 J 0.000204 J	<0.0000820	<0.0000117	<0.00000821	<0.00000902
MW-4	12/2/08	<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	<0.005	<0.005	<0.005
MW-4	12/18/09	<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	<0.005	<0.005	<0.005
MW-4R	11/16/18	<0.0000147	<0.0000105	<0.0000126	<0.0000431	<0.000122	<0.0000223	<0.0000238	<0.0000143	<0.000113	<0.0000416	0.0000967	<0.000165	0.0000192 J	<0.000155	0.00506	0.0000305 J	<0.0000123	0.00254	0.00189
MW-4R	10/18/19	<0.0000140	0.0000102 J	<0.0000120	<0.00000410	<0.0000112	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	0.000226	<0.0000157	0.0000407 J	<0.0000148	<0.0000198	0.000789	0.0000653	0.000986	0.000308
MW-5	12/2/08	<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	<0.005	< 0.005	<0.005
MW-5	12/18/09	<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	<0.005	<0.005	<0.005
MW-5R	11/16/18	<0.0000140	<0.0000100	<0.0000120	<0.00000410	<0.0000116	<0.0000212	<0.0000227	<0.0000136	<0.0000108	<0.0000396	<0.0000105	<0.0000157	<0.0000850	<0.0000148	0.0000774 J	<0.0000820	<0.0000117	<0.0000821	<0.0000902
MW-5R	10/18/19	<0.0000140	<0.0000100	<0.0000120	<0.00000410	<0.0000116	<0.0000212	<0.0000227	<0.0000136	<0.0000108	<0.0000396	0.00000523 J	<0.0000157	<0.0000850	<0.0000148	0.0000233 J	<0.0000820	<0.0000117	<0.0000821	<0.0000902
MW-6	12/2/08	<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	<0.005	<0.005	<0.005
MW-6	12/18/09	<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	<0.005	<0.005	<0.005
MW-7	12/2/08	<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	<0.005	<0.005	<0.005
MW-7	12/18/09	<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	<0.005	<0.005	<0.005
MW-8	12/2/08	<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	<0.005	<0.005	<0.005
MW-8	12/18/09	<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	<0.005	<0.005	<0.005
MW-9	12/2/08	<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	<0.005	< 0.005	<0.005
MW-9	9/29/09	<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	<0.005	<0.005	<0.005
MW-10	12/15/11	< 0.0102	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102	NA	<0.0102	<0.0102	<0.0102	< 0.0102	<0.0102	<0.0102	<0.0102	<0.0102
MW-10	11/27/12	<0.00017	<0.00038	< 0.00035	< 0.00025	<0.00020	< 0.00039	< 0.00052	<0.00029	< 0.00024	<0.00020	NA	<0.00026	< 0.00031	< 0.00034	<0.00032	<0.00033	<0.00050	<0.00028	<0.00029
MW-11 MW-11	11/16/18 10/18/19	<0.0000140 <0.0000140	<0.0000100	<0.0000120	<0.00000410 <0.00000410	<0.0000116 <0.0000116	<0.0000212 <0.0000212	<0.0000227 <0.0000227	<0.0000136 <0.0000136	<0.0000108 <0.0000108	<0.0000396	<0.0000105 0.00000473 J	<0.0000157 <0.0000157	<0.0000850 <0.0000850	<0.0000148 <0.0000148	0.0000424 J 0.0000237 J	<0.0000820 <0.0000820	<0.0000117 <0.0000117	<0.0000821	<0.0000902
MW-11 MW-12	10/18/19	<0.0000140	<0.0000100	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.000136	<0.0000108	<0.00000396	0.00000473 J	<0.0000157	<0.00000850 0.0000128 J	<0.0000148	0.0000237 J 0.0000249 J	<0.0000820 0.0000954 J	<0.0000117	<0.0000821 0.0000983 J	<0.0000902 0.0000355
MW-12 MW-12	11/16/18	<0.0000140	<0.0000100	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.000136	<0.0000108	<0.00000396	0.0000984 J 0.0000477 J	<0.0000157	0.0000128 J 0.0000104 J	<0.0000148	0.0000249 J	0.00000954 J 0.0000162 J	<0.0000117	0.000983 J	0.000355
WIW-12	10/18/19	<0.0000140	<0.0000100	<0.000120	<0.0000410	<0.000116	<0.0000212	<0.0000227	<0.000136	<0.0000108	<0.00000396	0.0000477 J	<0.0000157	0.0000104 J	<0.0000148	0.000684	0.0000162 J	<0.0000117	0.000898	0.000278

 Notes:

 1. Sample results listed from 2008 through 2012 were collected and reported by Basin Environmental Service Technologies, LLC

 2. Polycyclic Aromatic Hydrocarbons (PAH) analysis by Environmental Protection Agency (EPA) Method SW846-8270C-SIM

 3. All reported concentrations are reported as milligrams per Liter (mg/L)

 4. Bold font indicates laboratory detection

 5. Green shaded cells indicate results meeting NMWQCC regulatory requirement of 2 consecutive years of PAH compounds below the Human Health standards

 6. <= Not detected above the Sample Detection Limit</td>

7. NA - No Analysis
8. J = Denotes an estimated concentration detected above the Sample Detection Limit and below the Method Quantitation Limit
9. NMWQCC Human Health Standard for combined naphthalene + 1-methylnaphthalene + 2-methylnaphthalene is 0.03 mg/L per NMAC 20.6.2.3103 A.(1)(jj)



Released 100-111:11:20 AM

Data Source: USGS 7.5 Minute Quad "Lovington SE and Lovington, New Mexico" Lat/Long: 32.8649° North, 103.2853° West



SITE DETAILS MAP

Released 100-1172/26/2023 11:11:20 AM



Filename: NohdnerfohdUSIMidlandProjects/562125727111Digital Design/ACAD/Figures/2022 GWR12572711 GHD 0000 RPT EN 0101_DL 2022.dwg

New Mexico East (US Feet)

Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation Lat/Long: 32.8649° North, 103.2853° West

FEBRUARY 7, 2022

FIGURE 3



Filename: VoldnetopdUSWktlandProjects/552115727111Digital Design/ACAD/Figures/2022 GWR/12572711 GHD 0000 RPT EN 0101_DL 2022.dwg



Filename: VoldnetondUSiMidlandProjects/5621125727111Digital Design/ACAD/Figures/2022 GWR/12572711 GHD 0000 RPT EN 0101_DL 2022.dwg



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Released to Imaging: 57/26/2023 11:11:20 AM

New Mexico East (US Feet)

Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation Lat/Long: 32.8649° North, 103.2853° West

FEBRUARY 7 - 8, 2022

FIGURE 7



Filename: \u00fchdnetdndtUS\u00fcHildandtProjects\562\12572711UDigital Design\ACADFigures\2022 GWR\12572711 GHD 0000 RPT EN 0101_DL 2022.dwg
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Released to=111120 AM

Appendices

Appendix A Release Notification and Corrective Action, Form C-141

District I 1880 A: Pred & D. Q. E. Buss N. 88 88 993 2:43:14 PM District II 1301 W. Grand Avenue, Artesia, NM 88210	State o Energy Mineral	of New Mex s and Natura			For the second provided and th
District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505	1220 Sou	ervation Div th St. Franc Fe, NM 875	is Dr.		Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form
Reles	se Notificatio	the state of the s	the second s	ction	
		OPERA			
Name of Company Plains Pipeline		Contract of the local data and the	nille Reynolds	x Initi	al Report 🔲 Final Report
Address 3112 W. US Hwy 82, Lovington, NI	M 88260		lo. 505-441-090	55	
Facility Name Lovington Gathering WTI		Facility Typ	e 6"Steel Pipeli	ne	
Surface Owner Robert Rice	Mineral Owner			Lease 1	No.
		ON OF REI	LEASE		
Unit Letter Section Township Range H 6 17S 37E	Feet from the Nort	th/South Line	Feet from the	East/West Line	County Lea
Latitude_32° 51'	56.0"	Longitude	103° 17' 07.2	**	· · · · · · · · · · · · · · · · · · ·
	NATURI	E OF RELI			_
Type of Release Crude Oil		Volume of	Release 12 barre		Recovered 8 barrels
Source of Release 6" Steel Pipeline		Date and H 4-21-2006	our of Occurrenc	e Date and	Hour of Discovery
Was Immediate Notice Given?	No 🗌 Not Required	If YES. To	Whom?	4-21-200	6 @ 13:15
By Whom? Camille Reynolds			our 4-21-2006 @	02122324252623 102122324252623	
Was a Watercourse Reached?	-	If YES, Vo	lume Impacting t	he Watercourse.	
If a Watercourse was Impacted, Describe Fully.*	No				118
Describe Cause of Problem and Remedial Action 7	Faken Internal corrosi	on while purch	o the line of the		191310112101181 1919
The sweet crude has an H_2S content of <10 ppm. T	The line was approxin	nately 1.5 feet b	roximately 50 ps gs at the release j	i and the gravity of point.	the sweet crude oil was 34.
Describe Area Affected and Cleanup Action Taken approximately 1,500 ft ² .	* The impacted soil	was excavated a	ind stockpiled on	plastic. Aerial ext	tent of surface impact was
					••••••••••••••••••••••••••••••••••••••
3. V					
I hereby certify that the information given above is regulations all operators are required to report and/	true and complete to	the best of my l	mondadara		
regulations all operators are required to report add/ public health or the environment. The acceptance of should their operations have failed to adequately in or the environment. In addition, NMOCD acceptant federal, state, or local laws and/or regulations.	of a C-141 report by th	he NMOCD ma	rked as "Final Re	port" does not reli	ases which may endanger
Signature amille Rey	rolds			ERVATION	
Printed Name: Camille Reynolds		Approved by D	District Supervisor	г:	
Title: Remediation Coordinator		Approval Date		Production	
E-mail Address: cjreynolds@paalp.com		Conditions of A		Expiration D	
Date: 4/26/2006 P	hone:505-441-				Attached

.

×

Appendix B Certified Laboratory Analytical Reports

Received by OCD: 3/23/2023 2:43:14 PM

ace

Analytical®	ANALYTICAL REPORT
,	February 17, 2022

Plains All American, LP - GHD

Sample Delivery Group:	L1460342
Samples Received:	02/10/2022
Project Number:	12572711/01
Description:	Lovington Gathering WTI
Site:	SRS 2006-142
Report To:	Becky Haskell
	2135 S Loop 250 W
	Midland, TX 79703

¹ Cp
² Tc
³ Ss
⁴ Cn
⁵Tr
⁶ Sr
⁷ Qc
⁸ Gl
⁹ Al
¹⁰ Sc

Entire Report Reviewed By:

Drittine Boyd

Brittnie L Boyd Project Manager

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

Pace Analytical National

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

Released to Imaging: 04/26/2023 11:11:20 AM Plains All American, LP - GHD PROJECT: 12572711/01

SDG: L1460342

0

DATE/TIME: 02/17/22 13:22

PAGE: 1 of 25

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PROJECT: 12572711/01

SDG: L1460342

DATE/TIME: 02/17/22 13:22 PAGE: 2 of 25 Received by OCD: 3/23/2023 2:43:14 PM

SAMPLE SUMMARY

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Ср

Тс

Ss

Cn

⁵Tr

Sr

Qc

GI

ΆI

¹⁰Sc

	SAMPLE					
MW-12-020722 L1460342-01 GW			Collected by RL/JM	Collected date/time 02/07/22 12:45	Received da 02/10/22 08	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B Volatile Organic Compounds (GC) by Method 8021B	WG1816578 WG1818292	1 10	02/12/22 11:36 02/15/22 21:32	02/12/22 11:36 02/15/22 21:32	JAH JAH	Mt. Juliet, TN Mt. Juliet, TN
MW-7-020722 L1460342-02 GW			Collected by RL/JM	Collected date/time 02/07/22 14:15	Received da 02/10/22 08	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B Volatile Organic Compounds (GC) by Method 8021B	WG1816578 WG1818292	1 1	02/12/22 11:59 02/15/22 21:54	02/12/22 11:59 02/15/22 21:54	JAH JAH	Mt. Juliet, TN Mt. Juliet, TN
MW-9-020722 L1460342-03 GW			Collected by RL/JM	Collected date/time 02/07/22 14:50	Received da 02/10/22 08	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B Volatile Organic Compounds (GC) by Method 8021B	WG1816578 WG1818292	1 1	02/12/22 12:22 02/15/22 22:16	02/12/22 12:22 02/15/22 22:16	JAH JAH	Mt. Juliet, TN Mt. Juliet, TN
MW-11-020722 L1460342-04 GW			Collected by RL/JM	Collected date/time 02/07/22 15:15	Received da 02/10/22 08	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B Volatile Organic Compounds (GC) by Method 8021B	WG1816578 WG1818292	1 1	02/12/22 12:45 02/15/22 22:38	02/12/22 12:45 02/15/22 22:38	JAH JAH	Mt. Juliet, TN Mt. Juliet, TN
MW-5R-020822 L1460342-05 GW			Collected by RL/JM	Collected date/time 02/08/22 12:15	Received da 02/10/22 08	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B Volatile Organic Compounds (GC) by Method 8021B	WG1816578 WG1818292	1 1	02/12/22 13:07 02/15/22 22:59	02/12/22 13:07 02/15/22 22:59	JAH JAH	Mt. Juliet, TN Mt. Juliet, TN
MW-3R-020822 L1460342-06 GW			Collected by RL/JM	Collected date/time 02/08/22 12:20	Received da 02/10/22 08	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B Volatile Organic Compounds (GC) by Method 8021B	WG1816578 WG1818292	1 1	02/12/22 13:30 02/15/22 23:21	02/12/22 13:30 02/15/22 23:21	JAH JAH	Mt. Juliet, TN Mt. Juliet, TN
MW-1R-020822 L1460342-07 GW			Collected by RL/JM	Collected date/time 02/08/22 12:50	Received da 02/10/22 08	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1816578	1	02/12/22 13:53	02/12/22 13:53	JAH	Mt. Juliet, TN

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SDG: L1460342 DATE/TIME: 02/17/22 13:22 PAGE: 3 of 25 Received by OCD: 3/23/2023 2:43:14 PM

SAMPLE SUMMARY

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Ср

²Tc

Ss

Cn

⁵Tr

Sr

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¹⁰Sc

MW-2R-020822 L1460342-08 GW			Collected by RL/JM	Collected date/time 02/08/22 12:55	Received da 02/10/22 08:	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1816578	1	02/12/22 14:16	02/12/22 14:16	JAH	Mt. Juliet, TN
MW-4R-020822 L1460342-09 GW			Collected by RL/JM	Collected date/time 02/08/22 13:55	Received da 02/10/22 08:	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
/olatile Organic Compounds (GC) by Method 8021B	WG1816578	1	02/12/22 14:39	02/12/22 14:39	JAH	Mt. Juliet, TN
/olatile Organic Compounds (GC) by Method 8021B	WG1818922	10	02/16/22 14:18	02/16/22 14:18	BMB	Mt. Juliet, TN
DUP-1-020822 L1460342-10 GW			Collected by RL/JM	Collected date/time 02/08/22 00:00	Received da 02/10/22 08:	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1816578	1	02/12/22 15:02	02/12/22 15:02	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG1818292	10	02/16/22 00:29	02/16/22 00:29	JAH	Mt. Juliet, TN

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CASE NARRATIVE

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

Drittine Boyd

Brittnie L Boyd Project Manager



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

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

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

Drittie Boyd

Brittnie L Boyd Project Manager

Released to Imaging: 07/26/2023 11:11:20 AM Plains All American, LP - GHD

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Revised May 2010 Laboratory Review Checklist: Reportable Data

Laboratory Name: Pace Ar	nalytical National	LRC Date: 02/17/2022 13:22								
Project Name: Lovington G	Sathering WTI	Laboratory Job Number: L1460342-01, 02, 03, 04, 05	, 06, 0	7, 08, 0	09 and	10				
Reviewer Name: Brittnie L	Boyd	Prep Batch Number(s): WG1816578, WG1818292 and V	NG1818	922						
# ¹ A ² Description			Yes	No	NA ³	NR ⁴	ER# ⁵			
R1 OI Chain-of-custody (C-	Ю-C)									
Did samples meet th	e laboratory's standard conditions	of sample acceptability upon receipt?	X							
Were all departures	from standard conditions describe			Х						
R2 OI Sample and quality of	control (QC) identification					•				
Are all field sample I	D numbers cross-referenced to the	e laboratory ID numbers?	X			1				
	numbers cross-referenced to the c	•	X							
R3 OI Test reports				I						
	epared and analyzed within holding	a timos?	X	r —	T	T	r –			
		ues bracketed by calibration standards?	X							
		les blacketed by calibration standards:	x							
	necked by a peer or supervisor?									
	ntifications checked by a peer or su	•	X							
	ion limits reported for all analytes r		X							
	oil and sediment samples reported		X							
Were % moisture (or	solids) reported for all soil and sec	diment samples?			Х					
Were bulk soils/solid	Is samples for volatile analysis extr	acted with methanol per SW846 Method 5035?			Х					
If required for the pro	oject, are TICs reported?				Х					
R4 O Surrogate recovery of	data									
Were surrogates add	ded prior to extraction?		Х							
Were surrogate perc	ent recoveries in all samples within	n the laboratory QC limits?	X							
	ry forms for blank samples	•								
	pe(s) of blanks analyzed?		X		1	1				
	ed at the appropriate frequency?		X							
		al process, including preparation and, if applicable,								
cleanup procedures		in process, including preparation and, in applicable,	X							
Were blank concentr			X							
R6 OI Laboratory control sa				L		1	L			
Were all COCs include			X		1	1				
		edure, including prep and cleanup steps?	X							
	I at the required frequency?	courte, including prop and cleanup steps.	X							
), if applicable) %Rs within the labo	protony OC limite?	X							
		•								
used to calculate the		e laboratory's capability to detect the COCs at the MDL	X							
Was the LCSD RPD v			X							
	d matrix spike duplicate (MSD) data	3		I						
	thod specified analytes included ir		X		1	T	1			
	zed at the appropriate frequency?		X							
	if applicable) %Rs within the labora			х			1			
	,				-					
	within laboratory QC limits?		I	Х		<u> </u>	2			
R8 OI Analytical duplicate o			r –	1		r –				
	alytical duplicates analyzed for eac				Х					
	icates analyzed at the appropriate				Х					
	e standard deviations within the la	boratory QC limits?			Х					
R9 OI Method quantitation						-				
Are the MQLs for eac	ch method analyte included in the	laboratory data package?	X							
Do the MQLs corresp	pond to the concentration of the lo	west non-zero calibration standard?	X							
Are unadjusted MQL	s and DCSs included in the laborat	tory data package?	Х							
R10 OI Other problems/ano	malies									
Are all known proble	ems/anomalies/special conditions n	noted in this LRC and ER?	X							
Was applicable and a	available technology used to lower	r the SDL to minimize the matrix interference effects on	X							
the sample results?										
	AC-accredited under the Texas La ated with this laboratory data packa	aboratory Accreditation Program for the analytes, matrices	X							
		ry data package submitted in the TRRP-required report(s).	ltoma i	l	d by th	L	"S"			
	ailable upon request for the approp		101131	Jentille	.a by th	e iettel	5			
2. O = organic analyses; I = inorg	ganic analyses (and general chemis									
 NA = Not applicable; NR = Not reviewed; 										

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

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Revised May 2010 Laboratory Review Checklist: Supporting Data

Lab	orato	ory Name: Pace Analytical National	LRC Date: 02/17/2022 13:22								
Proj	ject N	Name: Lovington Gathering WTI	Laboratory Job Number: L1460342-01, 02, 03, 04, 05, 06, 07, 08, 09 and 10								
Rev	viewe	r Name: Brittnie L Boyd	Prep Batch Number(s): WG1816578, WG1818292 a	nd WG181	8922						
# ¹	A ²	Description		Yes	No	NA ³	NR ⁴	ER# ⁵			
51	OI	Initial calibration (ICAL)									
		Were response factors and/or relative response f	actors for each analyte within QC limits?			Х					
		Were percent RSDs or correlation coefficient crite	eria met?	Х							
		Was the number of standards recommended in the	ne method used for all analytes?	Х							
		Were all points generated between the lowest ar	d highest standard used to calculate the curve?	Х							
		Are ICAL data available for all instruments used?		Х							
		Has the initial calibration curve been verified usin	g an appropriate second source standard?	Х							
2	OI	Initial and continuing calibration verification (ICC)	and CCV) and continuing calibration blank (CCB):								
		Was the CCV analyzed at the method-required fr	Х								
		Were percent differences for each analyte within	Х								
		Was the ICAL curve verified for each analyte?		Х							
		Was the absolute value of the analyte concentrat	ion in the inorganic CCB < MDL?			Х					
3	0	Mass spectral tuning									
		Was the appropriate compound for the method u	sed for tuning?			Х					
		Were ion abundance data within the method-requ	uired QC limits?	Î		Х					
4	0	Internal standards (IS)									
		Were IS area counts and retention times within th	Vere IS area counts and retention times within the method-required QC limits?								
5	OI	Raw data (NELAC Section 5.5.10)				•					
		Were the raw data (for example, chromatograms,	Х		Ι		Τ				
		Were data associated with manual integrations fl	· · · · · · · · · · · · · · · · · · ·	Х							
6	0	Dual column confirmation						-			
		Did dual column confirmation results meet the me			X	1	Γ				
7	0	Tentatively identified compounds (TICs)				•	•	-			
		If TICs were requested, were the mass spectra ar	nd TIC data subject to appropriate checks?			X	1	Γ			
8	1	Interference Check Sample (ICS) results				•	•	-			
		Were percent recoveries within method QC limits	?			X	1				
9	1	Serial dilutions, post digestion spikes, and metho						-			
-			earity within the QC limits specified in the method?			X		Г			
510	OI	Method detection limit (MDL) studies	···· ··· ··· ··· ··· ··· ··· ··· ··· ·		1	•					
		Was a MDL study performed for each reported ar	alvte?	X	1	Г	1	Г			
		Is the MDL either adjusted or supported by the ar		X							
11	OI	Proficiency test reports	.,		1	•					
			the applicable proficiency tests or evaluation studies?	X	1	1	1	Г			
12	OI	Standards documentation						-			
			able or obtained from other appropriate sources?	X	1	1	T	Г			
13	0	Compound/analyte identification procedures		<u> </u>	1			-			
	10.	Are the procedures for compound/analyte identif	ication documented?	X	1	T	1	Г			
14	0	Demonstration of analyst competency (DOC)			1		1				
14		Was DOC conducted consistent with NELAC Cha	nter 52	X	1	1	1	Г			
		Is documentation of the analyst's competency up	-					+			
15	01	Verification/validation documentation for method			1			<u> </u>			
1.5			cumented, verified, and validated, where applicable?	X		-					
516	01	Laboratory standard operating procedures (SOPs		^		L	I	L			
10		Are laboratory SOPs current and on file for each		X	1	1	1				
hou 2. O 8. N/	ld be r = orga A = No		oratory data package submitted in the TRRP-required repor ppropriate retention period.		l identifie	d by th	I e letter	"S"			

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

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Laborat	tory Name: Pace Analytical National	LRC Date: 02/17/2022 13:22						
Project Name: Lovington Gathering WTI		Laboratory Job Number: L1460342-01, 02, 03, 04, 05, 06, 07, 08, 09 and 10						
Review	er Name: Brittnie L Boyd	Prep Batch Number(s): WG1816578, WG1818292 and WG1818922						
ER # ¹	Description							
1	8021B WG1816578 Ethylbenzene: Percent F	Recovery is outside of established control limits.						
2	8021B WG1816578 Benzene, Toluene, Ethy control limits.	8021B WG1816578 Benzene, Toluene, Ethylbenzene, Total Xylene: Relative Percent Difference is outside of established						
should be 2. O = org	dentified by the letter "R" must be included in the laborato retained and made available upon request for the appro ganic analyses; I = inorganic analyses (and general chem let applicable)							

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

SAMPLE RESULTS - 01 L1460342

Volatile Organic Compounds (GC) by Method 8021B

Volatile Organic Com	pounds (GC)) by Meth	od 8021B						1
	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	0.391		0.00190	0.000500	0.00500	10	02/15/2022 21:32	WG1818292	Tc
Toluene	U		0.000412	0.00100	0.00100	1	02/12/2022 11:36	WG1816578	
Ethylbenzene	0.000162	J	0.000160	0.000500	0.000500	1	02/12/2022 11:36	WG1816578	³ C (
Total Xylene	0.00103	J	0.000510	0.00150	0.00150	1	02/12/2022 11:36	WG1816578	53
(S) a,a,a-Trifluorotoluene(PID)	102				79.0-125		02/12/2022 11:36	WG1816578	4
(S) a,a,a-Trifluorotoluene(PID)	97.7				79.0-125		02/15/2022 21:32	WG1818292	C
Total Xylene (S) a,a,a-Trifluorotoluene(PID)	102	Ţ	0.000510	0.00150	79.0-125	1	02/12/2022 11:36	WG181657 WG181657	'8 '8

⁴ Cn
⁵Tr
⁶ Sr
⁷ Qc
[°] Gl
PAI
¹⁰ Sc

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SAMPLE RESULTS - 02 L1460342

`Tr

Qc

GI

ΆI

Sc

Volatile Organic Compounds (GC) by Method 8021B

Volatile Organic Compounds (GC) by Method 8021B								
	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	0.000266	J	0.000190	0.000500	0.000500	1	02/15/2022 21:54	WG1818292
Toluene	U		0.000412	0.00100	0.00100	1	02/12/2022 11:59	WG1816578
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/12/2022 11:59	WG1816578
Total Xylene	U		0.000510	0.00150	0.00150	1	02/12/2022 11:59	WG1816578
(S) a,a,a-Trifluorotoluene(PID)	103				79.0-125		02/12/2022 11:59	WG1816578
(S) a,a,a-Trifluorotoluene(PID)	99.2				79.0-125		02/15/2022 21:54	WG1818292

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SAMPLE RESULTS - 03 L1460342

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⁵Tr

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GI

ΆI

Sc

Volatile Organic Compounds (GC) by Method 8021B

Volatile Organic Compounds (GC) by Method 8021B								
	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	0.000500	1	02/15/2022 22:16	WG1818292
Toluene	U		0.000412	0.00100	0.00100	1	02/12/2022 12:22	WG1816578
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/12/2022 12:22	WG1816578
Total Xylene	U		0.000510	0.00150	0.00150	1	02/12/2022 12:22	WG1816578
(S) a,a,a-Trifluorotoluene(PID)	104				79.0-125		02/12/2022 12:22	WG1816578
(S) a,a,a-Trifluorotoluene(PID)	99.6				79.0-125		02/15/2022 22:16	WG1818292

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`Tr

Qc

GI

ΆI

Sc

Volatile Organic Compounds (GC) by Method 8021B

	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	0.000500	1	02/15/2022 22:38	WG1818292
Toluene	U		0.000412	0.00100	0.00100	1	02/12/2022 12:45	WG1816578
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/12/2022 12:45	WG1816578
Total Xylene	U		0.000510	0.00150	0.00150	1	02/12/2022 12:45	WG1816578
(S) a,a,a-Trifluorotoluene(PID)	105				79.0-125		02/12/2022 12:45	WG1816578
(S) a,a,a-Trifluorotoluene(PID)	99.4				79.0-125		02/15/2022 22:38	WG1818292

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Volatile Organic Compounds (GC) by Method 8021B

	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		Ē
Benzene	U		0.000190	0.000500	0.000500	1	02/15/2022 22:59	WG1818292	
Toluene	U		0.000412	0.00100	0.00100	1	02/12/2022 13:07	WG1816578	L
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/12/2022 13:07	WG1816578	:
Total Xylene	U		0.000510	0.00150	0.00150	1	02/12/2022 13:07	WG1816578	
(S) a,a,a-Trifluorotoluene(PID)	104				79.0-125		02/12/2022 13:07	WG1816578	Γ
(S) a,a,a-Trifluorotoluene(PID)	99.6				79.0-125		02/15/2022 22:59	WG1818292	

DATE/TIME: 02/17/22 13:22

Volatile Organic Compounds (GC) by Method 8021B

								((
	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	U		0.000190	0.000500	0.000500	1	02/15/2022 23:21	WG1818292	[²]
Toluene	U		0.000412	0.00100	0.00100	1	02/12/2022 13:30	WG1816578	
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/12/2022 13:30	WG1816578	3
Total Xylene	U		0.000510	0.00150	0.00150	1	02/12/2022 13:30	WG1816578	``````````````````````````````````````
(S) a,a,a-Trifluorotoluene(PID)	103				79.0-125		02/12/2022 13:30	WG1816578	4
(S) a,a,a-Trifluorotoluene(PID)	98.6				79.0-125		02/15/2022 23:21	WG1818292	Ċ

DATE/TIME: 02/17/22 13:22

Volatile Organic Compounds (GC) by Method 8021B

	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	0.0141		0.000190	0.000500	0.000500	1	02/12/2022 13:53	WG1816578	Tc
Toluene	U		0.000412	0.00100	0.00100	1	02/12/2022 13:53	WG1816578	
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/12/2022 13:53	WG1816578	³ Ss
Total Xylene	U		0.000510	0.00150	0.00150	1	02/12/2022 13:53	WG1816578	55
(S) a,a,a-Trifluorotoluene(PID)	103				79.0-125		02/12/2022 13:53	WG1816578	4

Ss
⁴ Cn
⁵Tr
⁶ Sr
⁷ Qc
⁸ Gl
⁹ Al
¹⁰ Sc

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Volatile Organic Compounds (GC) by Method 8021B

	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	Cp
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	0.0403		0.000190	0.000500	0.000500	1	02/12/2022 14:16	WG1816578	Тс
Toluene	U		0.000412	0.00100	0.00100	1	02/12/2022 14:16	WG1816578	
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/12/2022 14:16	WG1816578	³ S c
Total Xylene	U		0.000510	0.00150	0.00150	1	02/12/2022 14:16	WG1816578	03
(S) a,a,a-Trifluorotoluene(PID)	104				79.0-125		02/12/2022 14:16	WG1816578	4



SDG: L1460342 DATE/TIME: 02/17/22 13:22 PAGE: 17 of 25

SAMPLE RESULTS - 09 L1460342

Volatile Organic Compounds (GC) by Method 8021B

Volatile Organic Compounds (GC) by Method 8021B									
	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		
Benzene	0.505		0.00190	0.000500	0.00500	10	02/16/2022 14:18	WG1818922	
Toluene	U		0.000412	0.00100	0.00100	1	02/12/2022 14:39	WG1816578	
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/12/2022 14:39	WG1816578	
Total Xylene	U		0.000510	0.00150	0.00150	1	02/12/2022 14:39	WG1816578	
(S) a,a,a-Trifluorotoluene(PID)	102				79.0-125		02/12/2022 14:39	WG1816578	
(S) a,a,a-Trifluorotoluene(PID)	99.1				79.0-125		02/16/2022 14:18	WG1818922	

DATE/TIME: 02/17/22 13:22

Volatile Organic Compounds (GC) by Method 8021B

	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	0.489		0.00190	0.000500	0.00500	10	02/16/2022 00:29	WG1818292
Toluene	U		0.000412	0.00100	0.00100	1	02/12/2022 15:02	WG1816578
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/12/2022 15:02	WG1816578
Total Xylene	U		0.000510	0.00150	0.00150	1	02/12/2022 15:02	WG1816578
(S) a,a,a-Trifluorotoluene(PID)	102				79.0-125		02/12/2022 15:02	WG1816578
(S) a,a,a-Trifluorotoluene(PID)	101				79.0-125		02/16/2022 00:29	WG1818292

SDG: L1460342 DATE/TIME: 02/17/22 13:22 Volatile Organic Compounds (GC) by Method 8021B

QUALITY CONTROL SUMMARY L1460342-01,02,03,04,05,06,07,08,09,10

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Method Blank (MB)

(MB) R3760173-2	02/12/22 07:09
(IVID) R3700173-2	02/12/22 07.09

(1110) 1(3700173 2 02/12/2	22 07.05			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Benzene	U		0.000190	0.000500
Toluene	U		0.000412	0.00100
Ethylbenzene	U		0.000160	0.000500
Total Xylene	U		0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	104			79.0-125

Laboratory Control Sample (LCS)

(LCS) R3760173-1 02/12/22 06:24

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Benzene	0.0500	0.0456	91.2	77.0-122	
Toluene	0.0500	0.0488	97.6	80.0-121	
Ethylbenzene	0.0500	0.0531	106	80.0-123	
Total Xylene	0.150	0.153	102	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			104	79.0-125	

L1460324-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1460324-05 02/12	22 07:47 • (MS)	R3/601/3-3 0	2/12/22 15:25	• (MSD) R3760	1/3-4 02/12/2	2 15:47						
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Benzene	0.0500	U	0.0466	0.0641	93.2	128	1	10.0-160		<u>J3</u>	31.6	21
Toluene	0.0500	U	0.0484	0.0700	96.8	140	1	12.0-148		<u>J3</u>	36.5	21
Ethylbenzene	0.0500	U	0.0531	0.0771	106	154	1	22.0-149		<u>J3 J5</u>	36.9	21
Total Xylene	0.150	U	0.151	0.219	101	146	1	13.0-155		<u>J3</u>	36.8	21
(S) a,a,a-Trifluorotoluene(PID)					104	104		79.0-125				

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Volatile Organic Compounds (GC) by Method 8021B

QUALITY CONTROL SUMMARY

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Method Blank (MB)

	')				Cn
(MB) R3760560-3 02/15/	22 19:04				CP
	MB Result	MB Qualifier	MB MDL	MB RDL	2
Analyte	mg/l		mg/l	mg/l	⁻Tc
Benzene	U		0.000190	0.000500	
(S) a,a,a-Trifluorotoluene(PID)	99.1			79.0-125	^³ Ss

Laboratory Control Sample (LCS)

(LCS) R3760560-1 02/15/	22 17:41				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Benzene	0.0500	0.0518	104	77.0-122	
(S) a.a.a.Trifluorotoluene(PID)			99.2	79.0-125	

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Volatile Organic Compounds (GC) by Method 8021B

QUALITY CONTROL SUMMARY

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⁺Cn

Tr

Sr

Qc

G

ΆΙ

Sc

Method Blank (MB)

	1				l'Cn
(MB) R3760884-3 02/16/2	22 10:58				СР
	MB Result	MB Qualifier	MB MDL	MB RDL	2
Analyte	mg/l		mg/l	mg/l	⁻Tc
Benzene	U		0.000190	0.000500	
(S) a,a,a-Trifluorotoluene(PID)	99.1			79.0-125	³ Ss

Laboratory Control Sample (LCS)

(LCS) R3760884-1 02/16/	22 08:43				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Benzene	0.0500	0.0508	102	77.0-122	
(S) a.a.a-Trifluorotoluene(PID)			98.8	79.0-125	

DATE/TIME: 02/17/22 13:22

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Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.

PROJECT: 12572711/01

SDG: L1460342 DATE/TIME: 02/17/22 13:22

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Received by OCD: 3/23/2023 2:43:14 PM CCREDITATIONS & LOCATIONS

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Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico 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
ldaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
ndiana	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	AI30792	Tennessee ¹⁴	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

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

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

SDG: L1460342 DATE/TIME: 02/17/22 13:22

ived by OCD: 3/23/2023 2:4			Tours											Page 76 of
Company Name/Address: Plains All American, 2135 S Loop 250 W Midland, TX 79703	LP - GHD		505 N. B	rmation: mille Bryant ig Spring, Ste. , TX 79701	600	Pres Chk			Analysis / (Container /	Preservative		Chain of Custo	dy Page _ q 2 ace* Le advancing science
Report to: Becky Haskell			Email To: becky.hasl	kell@ghd.com;gle	nn.quinney@g	hd.co							12065 Lebanon Rd M	OULIET, TN Mount Juliet, TN 37122 via this chain of custody
Project Description: Lovington Gathering WTI	a da na part	City/State Collected:	Logi	County	Please Cir PT MT C								constitutes acknowle Pace Terms and Con-	dgment and acceptance
Phone: 432-686-0086	Client Proj 1257271		(Lab Project# PLAINSGHD-	12572711								SDG #	1603
Collected by (print): Ryan Livingston	Site/Facilit			P.O. #	*		C						Acctnum: PL	
Collected by (signature): Are Mueloc Immediately Packed on Ice N Y X	Sam Nex Two			Quote # Date Result	s Needed	No. of	40mlAmb-H						Template: T2 Prelogin: P9 PM: 823 - Oli PB:	
Sample ID	Comp/Gr	ab Matrix *	Depth	Date	Time	Cntrs	BTEX						Shipped Via: Remarks	Sample # (la
MW-12-02072	2 6	GW	-	2-7	1245	3	K							-0
MW-7-0207-	22 6	GW	-	2-7	1415	1	x							-0
MW-9-020722	G	GW	-	2-7	1450	3	x							-0
MW-11-020722	G	GW	-	2-7	1515	3	x							-0
MW-5R-02092		GW	-	2-8	1215	3	X							-0
MW-3R-02082	20	GW	-	2-8	1220	3	X							-0
MW-1R-02082	26	GW	-	2-8	1250	3	X							-01
Mu-2R-0208		GW	-	2-8	1255	3	X							-0
mw-HR -020	822 G	GW	-	2-8	1355	3	X							-04
Dup-1- 02082		GW	-	2-8	_	2	X							-10
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater	Remarks:/, R	eport project	to SU # Place	14's 2) FI	lag esti 12572	mai 711	ked c	oncei	pH_ Flow_	Te	mp	COC Seal COC Sign Bottles	mple Receipt C Present/Intact ed/Accurate: arrive intact: pottles used:	
DW - Drinking Water OT - Other	Samples return UPS Fee	ned via: IEx Courier		Trackir	ng #	1						Sufficie VOA Zero	nt volume sent: <u>If Applical</u> Headspace:	le
Relinquished by : (Signature)		Date: 2-9-27	2 Di	700 Receiv	ed by (Signatu	ire)		1	Trip Blank	Received:	HCL / MeoH TBR	RAD Scree	tion Correct/Ch en <0.5 mR/hr:	<u></u> Y
Relinquished by (Signature)		Date: 2-9-27	2 Uu	Receiv	ed by: (Signatu	ire)			Temp: N. 416 +1	3A2°C "	ottles Received:		tion required by Lo	gin: Date/Tim
Relinquished by : (Signature)		Date:	Time	and the second second	ed for lab by: A	Signatu	ht		Date:	22	ime: \$30	Hold:		Conditio NCF

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Received by OCD: 3/23/2023 2:43:14 PM

Pace Analytical®	ANALYTICAL REPORT March 02, 2022	

Plains All American, LP - GHD

Entire Report Reviewed By:

Sample Delivery Group:	L1465433
Samples Received:	02/25/2022
Project Number:	SRS 2006-142
Description:	Lovington Gathering WTI
Site:	SRS 2006-142
Report To:	Becky Haskell
	2135 S Loop 250 W
	Midland, TX 79703

Jason Romer Project Manager

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

Pace Analytical National

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

Released to Imaging: 04/26/2023 11:11:20 AM Plains All American, LP - GHD PROJECT: SRS 2006-142 SDG: L1465433

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DATE/TIME: 03/02/22 12:55

PAGE: 1 of 15

¹Cp ²Tc ³Ss ⁴Cn ⁵Tr ⁶Sr ⁷Qc ⁸GI ⁹AI ¹⁰Sc

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Cn: Case Narrative	4
Tr: TRRP Summary	5
TRRP form R	6
TRRP form S	7
TRRP Exception Reports	8
Sr: Sample Results	9
CENTER L1465433-01	9
MID L1465433-02	10
END L1465433-03	11
Qc: Quality Control Summary	12
Volatile Organic Compounds (GC) by Method 8021B	12
GI: Glossary of Terms	13
Al: Accreditations & Locations	14
Sc: Sample Chain of Custody	15

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Released to Imaging: 7/26/2023 11:11:20 AM Plains All American, LP - GHD

PROJECT: SRS 2006-142

SDG: L1465433

DATE/TIME: 03/02/22 12:55

PAGE: 2 of 15 Received by OCD: 3/23/2023 2:43:14 PM

SAMPLE SUMMARY

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²Tc

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			Collected by	Collected date/time 02/21/22 14:35	Received da 02/25/22 08	
CENTER L1465433-01 GW			Ryan Livingston	02/21/22 14.55	02/25/22 06	.30
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Volatile Organic Compounds (GC) by Method 8021B	WG1824606	1	02/28/22 01:04	02/28/22 01:04	JAH	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	te/time
MID L1465433-02 GW			Ryan Livingston	02/21/22 14:25	02/25/22 08	:30
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Volatile Organic Compounds (GC) by Method 8021B	WG1824606	1	02/28/22 01:26	02/28/22 01:26	JAH	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	.te/time
END L1465433-03 GW			Ryan Livingston	02/21/22 14:25	02/25/22 08	::30
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Volatile Organic Compounds (GC) by Method 8021B	WG1824606	1	02/28/22 01:48	02/28/22 01:48	JAH	Mt. Juliet, TN

SDG: L1465433 DATE/TIME: 03/02/22 12:55 PAGE: 3 of 15

CASE NARRATIVE

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

Jason Romer Project Manager



SDG: L1465433

PAGE: 4 of 15

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

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

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

Jason Romer Project Manager

Revised May 2010 Laboratory Review Checklist: Reportable Data

Lab	orato	bry Name: Pace Analytical National LRC	LRC Date: 03/02/2022 12:55								
Pro	ject N	Name: Lovington Gathering WTI Labo	Laboratory Job Number: L1465433-01, 02 and 03								
Rev	viewe	r Name: Jason Romer Prep	p Batch Number(s): WG1824606								
# ¹	A ²	Description	Yes	No	NA ³	NR ⁴	ER#				
1	OI	Chain-of-custody (C-O-C)			-						
		Did samples meet the laboratory's standard conditions of san	mple acceptability upon receipt?	Х			Ι				
		Were all departures from standard conditions described in an				Х					
2	OI	Sample and guality control (QC) identification									
		Are all field sample ID numbers cross-referenced to the labor	ratory ID numbers?	Х			1				
		Are all laboratory ID numbers cross-referenced to the corresp		Х							
3	01	Test reports		L		•					
		Were all samples prepared and analyzed within holding times	s?	Х			1	1			
		Other than those results < MQL, were all other raw values bra		X							
		Were calculations checked by a peer or supervisor?		X							
		Were all analyte identifications checked by a peer or supervise	sor?	X							
		Were sample detection limits reported for all analytes not det		X							
		Were all results for soil and sediment samples reported on a		X		<u> </u>					
		Were % moisture (or solids) reported for all soil and sediment	· · · · ·	~		X					
		Were bulk soils/solids samples for volatile analysis extracted				X					
		If required for the project, are TICs reported?	with methanol per SW846 Method 5035:			X					
1						^	I				
24	0	Surrogate recovery data		V	1	1	1	T			
		Were surrogates added prior to extraction?		X X				<u> </u>			
		Were surrogate percent recoveries in all samples within the la	aboratory QC limits?	~				I			
25	OI	Test reports/summary forms for blank samples		V	T	T	1	1			
		Were appropriate type(s) of blanks analyzed?		X							
		Were blanks analyzed at the appropriate frequency?		Х							
		Were method blanks taken through the entire analytical proce cleanup procedures?	ess, including preparation and, if applicable,	Х							
		Were blank concentrations < MQL?		Х							
76	OI	Laboratory control samples (LCS):									
		Were all COCs included in the LCS?		Х							
		Was each LCS taken through the entire analytical procedure,	, including prep and cleanup steps?	Х							
		Were LCSs analyzed at the required frequency?		Х							
		Were LCS (and LCSD, if applicable) %Rs within the laboratory	QC limits?	Х							
		Does the detectability check sample data document the labor	pratory's capability to detect the COCs at the MDL	х							
		used to calculate the SDLs?									
-		Was the LCSD RPD within QC limits?		Х							
27	OI	Matrix spike (MS) and matrix spike duplicate (MSD) data		[1		1	1			
		Were the project/method specified analytes included in the M	MS and MSD?			X					
		Were MS/MSD analyzed at the appropriate frequency?				Х					
		Were MS (and MSD, if applicable) %Rs within the laboratory G	QC limits?			Х					
		Were MS/MSD RPDs within laboratory QC limits?				Х					
85	OI	Analytical duplicate data			1	-	-	-			
		Were appropriate analytical duplicates analyzed for each mat				X					
		Were analytical duplicates analyzed at the appropriate freque				Х					
		Were RPDs or relative standard deviations within the laborate	ory QC limits?			Х					
29	OI	Method quantitation limits (MQLs):			-	_					
		Are the MQLs for each method analyte included in the labora	• • •	Х							
		Do the MQLs correspond to the concentration of the lowest n	non-zero calibration standard?	Х							
	_	Are unadjusted MQLs and DCSs included in the laboratory da	ata package?	Х							
210	OI	Other problems/anomalies									
		Are all known problems/anomalies/special conditions noted in	in this LRC and ER?	Х							
		Was applicable and available technology used to lower the S the sample results?	SDL to minimize the matrix interference effects on	х							
		Is the laboratory NELAC-accredited under the Texas Laborato	ory Accreditation Program for the analytes, matrices	х	1	1	1	\mathbf{T}			
		and methods associated with this laboratory data package?				<u> </u>					
shou 2. O 3. N/	ld be r = orga A = No	entified by the letter "R" must be included in the laboratory data etained and made available upon request for the appropriate re anic analyses; I = inorganic analyses (and general chemistry, whi t applicable; t reviewed;	retention period.		dentifie	ed by th	e letter	"S"			

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

PROJECT: SRS 2006-142 SDG: L1465433 PAGE: 6 of 15

Revised May 2010 Laboratory Review Checklist: Supporting Data

Labor	rato	ry Name: Pace Analytical National	LRC Date: 03/02/2022 12:55								
Projec	ct N	lame: Lovington Gathering WTI	Laboratory Job Number: L1465433-01, 02 and 03								
Revie	wei	r Name: Jason Romer	Prep Batch Number(s): WG1824606								
t ¹	A ²	Description		Yes	No	NA ³	NR ⁴	ER# ⁵			
i1 (OI	Initial calibration (ICAL)									
		Were response factors and/or relative response facto	rs for each analyte within QC limits?			Х					
		Were percent RSDs or correlation coefficient criteria r	net?	Х							
		Was the number of standards recommended in the m	ethod used for all analytes?	X							
		Were all points generated between the lowest and his	ghest standard used to calculate the curve?	X							
		Are ICAL data available for all instruments used?		X							
		Has the initial calibration curve been verified using an	appropriate second source standard?	X							
2 0	OI	Initial and continuing calibration verification (ICCV and	d CCV) and continuing calibration blank (CCB):			•	•				
		Was the CCV analyzed at the method-required freque	•	X			1	Т			
		Were percent differences for each analyte within the		X				1			
		Was the ICAL curve verified for each analyte?		X				+			
		Was the absolute value of the analyte concentration in	n the inorganic CCB \leq MDI ?			Х		+			
3 (0	Mass spectral tuning		1	1			-			
<u> </u>	•	Was the appropriate compound for the method used	for tuning?	Т	1	X	T	Т			
		Were ion abundance data within the method-required	•	1		X	1				
4 (0	Internal standards (IS)		<u> </u>	1		I				
- (0	Were IS area counts and retention times within the mo	athed required OC limite?	X	1	T	T	T			
5 (OI	Raw data (NELAC Section 5.5.10)			1	1	1	<u> </u>			
		Were the raw data (for example, chromatograms, spe	stral data) reviewed by an analyst?	X	1	1	T T	T			
				$\frac{1}{x}$			ł —	+			
	~	Were data associated with manual integrations flagge	ed on the raw data?	<u> </u>	1	I	I				
6 (0	Dual column confirmation	d required QC2	1	1		1				
7 0	~	Did dual column confirmation results meet the method		<u> </u>	I	Х	I				
7 (0	Tentatively identified compounds (TICs)		1	1		1				
		If TICs were requested, were the mass spectra and TI	C data subject to appropriate checks?	<u> </u>		Х					
8	I	Interference Check Sample (ICS) results		1	1		т —	-			
		Were percent recoveries within method QC limits?				Х					
9 I	l	Serial dilutions, post digestion spikes, and method of		-	1	I	1				
		Were percent differences, recoveries, and the linearit	y within the QC limits specified in the method?			Х					
10 0	OI	Method detection limit (MDL) studies			-	-	-	-			
		Was a MDL study performed for each reported analyt		X							
		Is the MDL either adjusted or supported by the analys	sis of DCSs?	X							
11 (OI	Proficiency test reports									
		Was the laboratory's performance acceptable on the	applicable proficiency tests or evaluation studies?	X							
12 (OI	Standards documentation									
		Are all standards used in the analyses NIST-traceable	or obtained from other appropriate sources?	X							
13 (OI	Compound/analyte identification procedures									
		Are the procedures for compound/analyte identification	on documented?	X							
14 (OI	Demonstration of analyst competency (DOC)									
		Was DOC conducted consistent with NELAC Chapter	5?	Х							
		Is documentation of the analyst's competency up-to-c	late and on file?	X							
15 (OI	Verification/validation documentation for methods (N	ELAC Chapter 5)								
		Are all the methods used to generate the data docum	ented, verified, and validated, where applicable?	Х							
16 0	OI	Laboratory standard operating procedures (SOPs)									
		Are laboratory SOPs current and on file for each meth	nod performed	X							
hould b 2. O = c 3. NA =	be re orga = Not		ory data package submitted in the TRRP-required report(s). priate retention period.	ltems i	identifie	ed by th	e letter	"S"			

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

PROJECT: SRS 2006-142 SDG: L1465433 DATE/TIME: 03/02/22 12:55

Laboratory Name: Pace Analytical National	LRC Date: 03/02/2022 12:55			
Project Name: Lovington Gathering WTI	Laboratory Job Number: L1465433-01, 02 and 03			
Reviewer Name: Jason Romer	Prep Batch Number(s): WG1824606			
ER # ¹ Description				

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

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

NA = Not applicable;
NR = Not reviewed;

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

SAMPLE RESULTS - 01

Volatile Organic Compounds (GC) by Method 8021B

	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	U		0.000190	0.000500	0.000500	1	02/28/2022 01:04	WG1824606	Tc
Toluene	U		0.000412	0.00100	0.00100	1	02/28/2022 01:04	WG1824606	
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/28/2022 01:04	WG1824606	³ Ss
Total Xylene	U		0.000510	0.00150	0.00150	1	02/28/2022 01:04	WG1824606	53
(S) a,a,a-Trifluorotoluene(PID)	103				79.0-125		02/28/2022 01:04	WG1824606	4

⁴ Cn
⁵Tr
⁶ Sr
⁷ Qc
[°] Gl
PAI
¹⁰ SC

SDG: L1465433 DATE/TIME: 03/02/22 12:55

ME: 12:55 PAGE: 9 of 15 Collected date/time: 02/21/22 14:25

SAMPLE RESULTS - 02

Volatile Organic Compounds (GC) by Method 8021B

	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	— Ср
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	0.000355	J	0.000190	0.000500	0.000500	1	02/28/2022 01:26	WG1824606	Tc
Toluene	U		0.000412	0.00100	0.00100	1	02/28/2022 01:26	WG1824606	
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/28/2022 01:26	WG1824606	³ Ss
Total Xylene	U		0.000510	0.00150	0.00150	1	02/28/2022 01:26	WG1824606	55
(S) a,a,a-Trifluorotoluene(PID)	103				79.0-125		02/28/2022 01:26	WG1824606	4

TC
³Ss
⁴ Cn
⁵Tr
⁶ Sr
⁷ Qc
⁸ Gl
⁹ Al
¹⁰ Sc

DATE/TIME: 03/02/22 12:55

SAMPLE RESULTS - 03 L1465433

Volatile Organic Compounds (GC) by Method 8021B

Volatile Organic Comp	pounds (GC)) by Meth	od 8021B						1
	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	— Cp
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	0.000363	J	0.000190	0.000500	0.000500	1	02/28/2022 01:48	WG1824606	Tc
Toluene	U		0.000412	0.00100	0.00100	1	02/28/2022 01:48	WG1824606	
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/28/2022 01:48	WG1824606	³ S c
Total Xylene	U		0.000510	0.00150	0.00150	1	02/28/2022 01:48	WG1824606	55
(S) a,a,a-Trifluorotoluene(PID)	102				79.0-125		02/28/2022 01:48	WG1824606	4

³ Ss
⁴ Cn
⁵Tr
⁶ Sr
⁷ Qc
⁸ Gl
-
⁹ Al
¹⁰ Sc

SDG: L1465433

DATE/TIME: 03/02/22 12:55 Volatile Organic Compounds (GC) by Method 8021B

QUALITY CONTROL SUMMARY

Method Blank (MB)

(MB) R3765151-3 02/28/2	(MB) R3765151-3 02/28/22 00:06								
	MB Result	MB Qualifier	MB MDL	MB RDL					
Analyte	mg/l		mg/l	mg/l					
Benzene	U		0.000190	0.000500					
Toluene	0.000449	J	0.000412	0.00100					
Ethylbenzene	U		0.000160	0.000500					
Total Xylene	0.00110	J	0.000510	0.00150					
(S) a,a,a-Trifluorotoluene(PID)	103			79.0-125					

Laboratory Control Sample (LCS)

(LCS) R3765151-1 02/27/22 22:36

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Benzene	0.0500	0.0482	96.4	77.0-122	
Toluene	0.0500	0.0437	87.4	80.0-121	
Ethylbenzene	0.0500	0.0455	91.0	80.0-123	
Total Xylene	0.150	0.130	86.7	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			102	79.0-125	

Sc

SDG: L1465433 DATE/TIME: 03/02/22 12:55 PAGE: 12 of 15 Ср

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Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

J

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

SDG: L1465433

DATE/TIME: 03/02/22 12:55

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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
alifornia	2932	New Mexico ¹	TN00003
colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
lorida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
daho	TN00003	Ohio–VAP	CL0069
linois	200008	Oklahoma	9915
ndiana	C-TN-01	Oregon	TN200002
owa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
entucky ¹⁶	KY90010	South Carolina	84004002
entucky ²	16	South Dakota	n/a
ouisiana	AI30792	Tennessee ¹⁴	2006
ouisiana	LA018	Texas	T104704245-20-18
laine	TN00003	Texas ⁵	LAB0152
laryland	324	Utah	TN000032021-11
lassachusetts	M-TN003	Vermont	VT2006
/lichigan	9958	Virginia	110033
linnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
lissouri	340	Wisconsin	998093910
fontana	CERT0086	Wyoming	A2LA
2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
PA–Crypto	TN00003		

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

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

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

SDG: L1465433 DATE/TIME: 03/02/22 12:55

Received by OCD: 3/23/20 Plains All American, LF		^P M	Billing Ir	formation						Analy	sis / Con	ainer / F	reservative			Chain of Custody	, Page 91 of 1	90
2135 S Loop 250 W Midland, TX 79703				Attn: Camille Bryant 10 Desta Dr., Ste. 550E Midland, TX 79705												Pace. National C	Analytical* enter for Testing & Innovation	
				Email To: becky.haskell@ghd.com					5							12065 Lebanon Rd Mount Juliet, TN 37		
Project Description: Lovington Gather	ing WTI		1	City/St Collect	ate ed: Lo	ovington, NM			res-V							Phone: 615-758-58 Phone: 800-767-58 Fax: 615-758-5859		
Phone: 432-250-7917 Client Project # Fax: SRS 2006-142				Lab Pro			nb-HCI	40mLAmb-NoPres-WT							1145	65433		
Collected by (print): Rya Living & SRS 2006-142				P.O. #	2.0. #			mLAn	nLArr								AINSER	10
Collected by (signature):	Rush? (I Same D Next Da Two Day Three D	y 5 Day y 10 Day		4	Date R	esults Needed TAT Per SSOW	No. of	8021B 40mLAmb-HCL	PAHSIMLVI 40r							Template: Prelogin: TSR: PB:		
Sample ID	Comp/Grab	Matrix *	Depth		Date	Time	Cntrs	BTEX	AHS							Shipped Via:		
Center	6	w		2-21	-21		3	3								Remarks	Sample # (lab only)	
mid	G	w				1425	1											
End	G	w		4	>	1415	•7	\$7										
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater	Remarks: 1. Report to 3. Lab Proj					entrations;			1		он	Ter		COC	Seal P Signed	ple Receipt Ch resent/Intact /Accurate: rive intact:	hecklist : NP Y N Y N N	
DW - Drinking Water OT - Other	Samples return UPS Fe	ned via: dEx Cou	rier			Tracking #				F	low	Oth	ner	Sufi	ficient	ttles used: volume sent: <u>If Applicab</u>		
Relinquished by : (Signature)		Date: 2-24(-	-22	Time: Bio		Received by: (Signat	ture)		P	Trip	Blank Rec	eived:	Yes / No HCL / Meo TBR	Pres		eadspace: on Correct/Ch	ecked: Y_N	
Relinquished by : (Signature)		Date: 2-2Cl-	~~~	Time:	a	Received by: (Signat				たの	A2.	°C BO	ttles Received	Ifpre	eservatio	n required by Log	gin: Date/Time	
Relinquished by : (Signature) Released to Imaging: 7/26	/2023 11:11:	Date: 20 AM		Time:		Received for lab by:	(Signat	wre)	'n	Date	25/2	ZTir	me: DYC) Hold	:		Condition: NCF / OK	

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eAnalytical [®] ANALY	May 23, 2022	
Plains All America	in, LP - GHD	
Sample Delivery Group:	L1493726	
Samples Received:	05/14/2022	
Project Number:	SRS 2006-142	
Description:	Lovington Gathering WTI, SRS 2006-142	
Site:	SRS 2006-142	
Report To:	Becky Haskell	
	2135 S Loop 250 W	
	Midland, TX 79703	

Entire Report Reviewed By:

Drittine Boyd

Brittnie L Boyd Project Manager

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

Pace Analytical National

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

Released to Imaging: 04/26/2023 11:11:20 AM Plains All American, LP - GHD PROJECT: SRS 2006-142 SDG: L1493726

DATE/TIME: 05/23/22 17:01

PAGE: 1 of 24

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Ср Ss Cn Tr Sr Qc GI ΆI Sc

SDG: L1493726

PAGE: 2 of 24 Received by OCD: 3/23/2023 2:43:14 PM

SAMPLE SUMMARY

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LG-MW-3R-051122 L1493726-01 GW			Collected by David Fletcher	Collected date/time 05/11/22 10:35	Received da 05/14/22 10:	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1866821	1	05/21/22 08:05	05/21/22 08:05	DWR	Mt. Juliet, TN
LG-MW-5R-051122 L1493726-02 GW			Collected by David Fletcher	Collected date/time 05/11/22 11:00	Received da 05/14/22 10:	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1866821	1	05/21/22 08:27	05/21/22 08:27	DWR	Mt. Juliet, TN
LG-MW-9-051122 L1493726-03 GW			Collected by David Fletcher	Collected date/time 05/11/22 11:20	Received da 05/14/22 10:	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1866821	1	05/21/22 08:50	05/21/22 08:50	DWR	Mt. Juliet, TN
LG-MW-11-051122 L1493726-04 GW			Collected by David Fletcher	Collected date/time 05/11/22 11:50	Received da 05/14/22 10:	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1867440	1	05/21/22 16:44	05/21/22 16:44	ACG	Mt. Juliet, TN
LG-MW-7-051122 L1493726-05 GW			Collected by David Fletcher	Collected date/time 05/11/22 12:10	Received da 05/14/22 10:	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1867440	1	05/21/22 17:06	05/21/22 17:06	ACG	Mt. Juliet, TN
LG-MW-1R-051122 L1493726-06 GW			Collected by David Fletcher	Collected date/time 05/11/22 12:30	Received da 05/14/22 10:	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1867440	1	05/21/22 17:28	05/21/22 17:28	ACG	Mt. Juliet, TN
LG-MW-2R-051122 L1493726-07 GW			Collected by David Fletcher	Collected date/time 05/11/22 13:10	Received da 05/14/22 10:	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1867440	1	05/21/22 17:50	05/21/22 17:50	ACG	Mt. Juliet, TN
LG-MW-12-051122 L1493726-08 GW			Collected by David Fletcher	Collected date/time 05/11/22 13:30	Received da 05/14/22 10:	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B Volatile Organic Compounds (GC) by Method 8021B	WG1867440 WG1867755	1 10	05/21/22 18:12 05/23/22 01:31	05/21/22 18:12 05/23/22 01:31	ACG JAH	Mt. Juliet, TN Mt. Juliet, TN

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SAMPLE SUMMARY

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LG-MW-4R-051122 L1493726-09 GW			Collected by David Fletcher	Collected date/time 05/11/22 13:50	Received date 05/14/22 10:0	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1867440	1	05/21/22 18:34	05/21/22 18:34	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG1867755	20	05/23/22 01:54	05/23/22 01:54	JAH	Mt. Juliet, TN



Ср

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CASE NARRATIVE

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

Drittine Boyd

Brittnie L Boyd Project Manager

Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

Lab Sample ID	Project Sample ID	Method
L1493726-02	LG-MW-5R-051122	8021B
L1493726-04	LG-MW-11-051122	8021B
L1493726-06	LG-MW-1R-051122	8021B
L1493726-07	LG-MW-2R-051122	8021B
L1493726-09	LG-MW-4R-051122	8021B

Тс Ss Cn Tr Sr Qc Gl AI Sc

SDG: L1493726

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

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

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

Drittie Boyd

Brittnie L Boyd Project Manager

	orato	ry Name: Pace Analytical National	LRC Date: 05/23/2022 17:01								
	ject N 06-142	ame: Lovington Gathering WTI, SRS	Laboratory Job Number: L1493726-01, 02, 03, 04, 05	, 06, 0	7, 08 a	nd 09					
Rev	viewe	Name: Brittnie L Boyd	Prep Batch Number(s): WG1867440, WG1866821 and	WG186	7755						
1	A ²	Description		Yes	No	NA ³	NR⁴	ER# ⁵			
1	OI	Chain-of-custody (C-O-C)									
		Did samples meet the laboratory's standard conditions	s of sample acceptability upon receipt?	X							
		Were all departures from standard conditions describe				Х					
2	OI	Sample and quality control (QC) identification									
		Are all field sample ID numbers cross-referenced to th	e laboratory ID numbers?	X	1		1	Г			
		Are all laboratory ID numbers cross-referenced to the		Х							
3	OI	Test reports		1 ^	1	I					
•		Were all samples prepared and analyzed within holdin	na times?	X	1		1	Г			
		Other than those results < MQL, were all other raw val	-	X				<u> </u>			
				X				-			
		Were calculations checked by a peer or supervisor?		X							
		Were all analyte identifications checked by a peer or s									
		Were sample detection limits reported for all analytes		X							
		Were all results for soil and sediment samples reporte		X				<u> </u>			
		Were % moisture (or solids) reported for all soil and se		ļ		Х	ļ	<u> </u>			
		Were bulk soils/solids samples for volatile analysis ext	tracted with methanol per SW846 Method 5035?			Х					
		If required for the project, are TICs reported?				Х					
1	0	Surrogate recovery data									
		Were surrogates added prior to extraction?		Х							
		Were surrogate percent recoveries in all samples with	in the laboratory QC limits?	X							
5	OI	Test reports/summary forms for blank samples									
	Were appropriate type(s) of blanks analyzed?	appropriate type(s) of blanks analyzed?									
		Were blanks analyzed at the appropriate frequency?		X							
		Were method blanks taken through the entire analytic	al process, including preparation and, if applicable,								
		cleanup procedures?	- Friend, and States and a state of the stat	X							
		Were blank concentrations < MQL?		X							
6	OI	Laboratory control samples (LCS):									
		Were all COCs included in the LCS?		X							
		Was each LCS taken through the entire analytical proc	cedure, including prep and cleanup steps?	X							
		Were LCSs analyzed at the required frequency?		X							
		Were LCS (and LCSD, if applicable) %Rs within the lab	oratory QC limits?	Х							
			he laboratory's capability to detect the COCs at the MDL								
		used to calculate the SDLs?		X							
		Was the LCSD RPD within QC limits?		X							
7	OI	Matrix spike (MS) and matrix spike duplicate (MSD) dat	ta								
		Were the project/method specified analytes included i				X		1			
		Were MS/MSD analyzed at the appropriate frequency	?			Х					
		Were MS (and MSD, if applicable) %Rs within the labor				Х					
		Were MS/MSD RPDs within laboratory QC limits?				X					
8	0	Analytical duplicate data		I	1	<u> </u>		1			
0	101	Were appropriate analytical duplicates analyzed for ea	ach matrix?	1	1	X	1	T			
		Were analytical duplicates analyzed at the appropriate				X		<u> </u>			
		Were RPDs or relative standard deviations within the I	• •			X		<u> </u>			
9	OI	Method quantitation limits (MQLs):		1			I				
9		Are the MQLs for each method analyte included in the	laboratory data packago?	X	1	r –	1	T			
								┼──			
		Do the MQLs correspond to the concentration of the lo		X				──			
•		Are unadjusted MQLs and DCSs included in the labora	atory data package?	X							
0	OI	Other problems/anomalies				1		1			
		Are all known problems/anomalies/special conditions			Х			1			
		Was applicable and available technology used to lowe the sample results?	er the SDL to minimize the matrix interference effects on	Х							
		Is the laboratory NELAC-accredited under the Texas L and methods associated with this laboratory data pack	aboratory Accreditation Program for the analytes, matrices kage?	x							
noul . O	ld be r = orga		bry data package submitted in the TRRP-required report(s). priate retention period.	ltems i	dentifie	d by th	e letter	"S"			

SDG: L1493726

Lab	orato	ory Name: Pace Analytical National	LRC Date: 05/23/2022 17:01								
	ect N)6-142	Name: Lovington Gathering WTI, SRS 2	Laboratory Job Number: L1493726-01, 02, 03, 04, 05, 06, 07, 08 and 09								
Rev	iewe	r Name: Brittnie L Boyd	Prep Batch Number(s): WG1867440, WG1866821 and WG1867755								
# 1	A ²	Description		Yes	No	NA ³	NR ⁴	ER#			
1	OI	Initial calibration (ICAL)	•								
		Were response factors and/or relative response facto	rs for each analyte within QC limits?			Х					
		Were percent RSDs or correlation coefficient criteria r	net?	Х							
		Was the number of standards recommended in the m	ethod used for all analytes?	Х			1				
		Were all points generated between the lowest and hi	ghest standard used to calculate the curve?	Х	1		1				
		Are ICAL data available for all instruments used?	-	Х							
		Has the initial calibration curve been verified using an	appropriate second source standard?	Х	1						
2	OI	Initial and continuing calibration verification (ICCV and	· · ·	F			•				
		Was the CCV analyzed at the method-required freque	· · · · ·	Х			Ι	1			
		Were percent differences for each analyte within the	*	X							
		Was the ICAL curve verified for each analyte?		X				1			
		Was the absolute value of the analyte concentration i	n the inorganic CCB < MDL?			Х		1			
3	0	Mass spectral tuning									
-		Was the appropriate compound for the method used	for tuning?		1	Х	T	1			
		Were ion abundance data within the method-required				Х					
4	0	Internal standards (IS)			1	1	1				
	-	Were IS area counts and retention times within the m	ethod-required QC limits?	X	1	Т	1	Т			
5	OI	Raw data (NELAC Section 5.5.10)				1	I				
	0	Were the raw data (for example, chromatograms, spe	ctral data) reviewed by an analyst?	X	T	1	T	1			
		Were data associated with manual integrations flagge		X							
6	0	Dual column confirmation				1	I				
	Ŭ	Did dual column confirmation results meet the metho	d-required QC?	-	1	X	1	1			
7	0	Tentatively identified compounds (TICs)			1		1				
	Ŭ	If TICs were requested, were the mass spectra and TI	C data subject to appropriate checks?			X	T	T			
8	1	Interference Check Sample (ICS) results			1		1				
0	· ·	Were percent recoveries within method QC limits?			1	X	T	1			
9	1	Serial dilutions, post digestion spikes, and method of	standard additions		1		1				
5	1	Were percent differences, recoveries, and the linearit			Т	X	T	1			
10	OI	Method detection limit (MDL) studies	y wain the de limits speened in the method.				1				
10		Was a MDL study performed for each reported analyt	o ²	X	1	1	T	T			
		Is the MDL either adjusted or supported by the analyst		X							
11	OI	Proficiency test reports		^	I		<u> </u>				
		Was the laboratory's performance acceptable on the	applicable proficiency tests or evaluation studies?	X	<u> </u>	1	T	T			
512	OI	Standards documentation	applicable proficiency tests of evaluation studies:		I		I				
12		Are all standards used in the analyses NIST-traceable	or obtained from other appropriate sources?	X	1	1	1	1			
13	OI	Compound/analyte identification procedures		^	I	<u> </u>	<u> </u>				
15		Are the procedures for compound/analyte identification	on documented?	X	1	1	1	1			
14	OI	Demonstration of analyst competency (DOC)	on documented:	^	I		I				
1-1		Was DOC conducted consistent with NELAC Chapter	52	X	1		T	1			
		Is documentation of the analyst's competency up-to-co		×				+			
15	OI	Verification/validation documentation for methods (NI		^		1	1				
15					r	1	T	T			
16		Are all the methods used to generate the data docum	ienteu, vermeu, anu validated, where applicable?	X		1	L	L			
516	OI	Laboratory standard operating procedures (SOPs)	and parformed		1	1	1	T			
		Are laboratory SOPs current and on file for each meth			1	1	1	1			

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

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Laborato	ry Name: Pace Analytical National	LRC Date: 05/23/2022 17:01				
Project Name: Lovington Gathering WTI, SRS 2006-142		Laboratory Job Number: L1493726-01, 02, 03, 04, 05, 06, 07, 08 and 09				
Reviewer Name: Brittnie L Boyd		Prep Batch Number(s): WG1867440, WG1866821 and WG1867755				
ER # ¹	# ¹ Description					
1	8021B WG1866821 L1493726-02: pH outsid 8021B WG1867440 L1493726-04, 06, 07 an 8021B WG1867755 L1493726-09: pH outsid	d 09: pH outside of method requirement.				
should be r 2. O = orga 3. NA = No 4. NR = No	etained and made available upon request for the approp anic analyses; I = inorganic analyses (and general chemi t applicable; t reviewed;					

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SAMPLE RESULTS - 01

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Volatile Organic Compounds (GC) by Method 8021B

	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	Cp
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	U		0.000190	0.000500	0.000500	1	05/21/2022 08:05	WG1866821	Tc
Toluene	U		0.000412	0.00100	0.00100	1	05/21/2022 08:05	WG1866821	
Ethylbenzene	0.000563	B	0.000160	0.000500	0.000500	1	05/21/2022 08:05	WG1866821	³ Ss
Total Xylene	0.000615	J	0.000510	0.00150	0.00150	1	05/21/2022 08:05	WG1866821	53
(S) a,a,a-Trifluorotoluene(PID)	98.4				79.0-125		05/21/2022 08:05	WG1866821	4



SAMPLE RESULTS - 02 L1493726

Volatile Organic Compounds (GC) by Method 8021B

Volatile Organic Comp	oounds (GC)) by Meth	od 8021B						
	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	Cp
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	0.0702		0.000190	0.000500	0.000500	1	05/21/2022 08:27	WG1866821	Tc
Toluene	U		0.000412	0.00100	0.00100	1	05/21/2022 08:27	WG1866821	
Ethylbenzene	0.000489	<u>B J</u>	0.000160	0.000500	0.000500	1	05/21/2022 08:27	WG1866821	³ S c
Total Xylene	0.000780	J	0.000510	0.00150	0.00150	1	05/21/2022 08:27	WG1866821	53
(S) a,a,a-Trifluorotoluene(PID)	101				79.0-125		05/21/2022 08:27	WG1866821	4



SAMPLE RESULTS - 03

Volatile Organic Compounds (GC) by Method 8021B

	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	— Ср
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	0.000249	J	0.000190	0.000500	0.000500	1	05/21/2022 08:50	WG1866821	Tc
Toluene	U		0.000412	0.00100	0.00100	1	05/21/2022 08:50	WG1866821	
Ethylbenzene	U		0.000160	0.000500	0.000500	1	05/21/2022 08:50	WG1866821	³ Ss
Total Xylene	U		0.000510	0.00150	0.00150	1	05/21/2022 08:50	WG1866821	55
(S) a,a,a-Trifluorotoluene(PID)	98.4				79.0-125		05/21/2022 08:50	WG1866821	4



SAMPLE RESULTS - 04

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Volatile Organic Compounds (GC) by Method 8021B

	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	— [C
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	U		0.000190	0.000500	0.000500	1	05/21/2022 16:44	WG1867440	[² T
Toluene	U		0.000412	0.00100	0.00100	1	05/21/2022 16:44	WG1867440	
Ethylbenzene	0.000409	J	0.000160	0.000500	0.000500	1	05/21/2022 16:44	WG1867440	3
Total Xylene	U		0.000510	0.00150	0.00150	1	05/21/2022 16:44	WG1867440	
(S) a,a,a-Trifluorotoluene(PID)	98.6				79.0-125		05/21/2022 16:44	WG1867440	4

١r
⁶ Sr
⁷ Qc
[°] Gl
⁹ Al
Sc

⁵т.

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Volatile Organic Compounds (GC) by Method 8021B

Volatile Organic Comp	oounds (GC) by Meth	od 8021B						1
	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	U		0.000190	0.000500	0.000500	1	05/21/2022 17:06	WG1867440	Tc
Toluene	U		0.000412	0.00100	0.00100	1	05/21/2022 17:06	WG1867440	
Ethylbenzene	0.000411	J	0.000160	0.000500	0.000500	1	05/21/2022 17:06	WG1867440	³ S c
Total Xylene	U		0.000510	0.00150	0.00150	1	05/21/2022 17:06	WG1867440	35
(S) a,a,a-Trifluorotoluene(PID)	98.6				79.0-125		05/21/2022 17:06	WG1867440	4

55
⁴ Cn
⁵Tr
⁶ Sr
⁷ Qc
[°] GI
⁹ Al
¹⁰ Sc

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Volatile Organic Compounds (GC) by Method 8021B

Volatile Organic Comp	bounds (GC) by Meth	od 8021B						1
	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	0.00224		0.000190	0.000500	0.000500	1	05/21/2022 17:28	WG1867440	ŤC
Toluene	U		0.000412	0.00100	0.00100	1	05/21/2022 17:28	WG1867440	
Ethylbenzene	U		0.000160	0.000500	0.000500	1	05/21/2022 17:28	WG1867440	³ C c
Total Xylene	U		0.000510	0.00150	0.00150	1	05/21/2022 17:28	WG1867440	35
(S) a,a,a-Trifluorotoluene(PID)	98.2				79.0-125		05/21/2022 17:28	WG1867440	4

⁴ Cn
⁵Tr
⁶ Sr
⁷ Qc
[°] Gl
PAI
¹⁰ Sc

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Volatile Organic Compounds (GC) by Method 8021B

Volatile Organic Comp	pounds (GC	C) by Meth	od 8021B						1
	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	0.117		0.000190	0.000500	0.000500	1	05/21/2022 17:50	WG1867440	ŤT.
Toluene	U		0.000412	0.00100	0.00100	1	05/21/2022 17:50	WG1867440	
Ethylbenzene	U		0.000160	0.000500	0.000500	1	05/21/2022 17:50	WG1867440	³ C
Total Xylene	U		0.000510	0.00150	0.00150	1	05/21/2022 17:50	WG1867440	
(S) a,a,a-Trifluorotoluene(PID)	101				79.0-125		05/21/2022 17:50	WG1867440	4

55
⁴ Cn
⁵Tr
⁶ Sr
⁷ Qc
[°] GI
⁹ Al
¹⁰ Sc

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Volatile Organic Compounds (GC) by Method 8021B

Volatile Organic Comp	Jounds (GC)) by Meth	od 8021B						1
	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		6
Benzene	0.291		0.00190	0.000500	0.00500	10	05/23/2022 01:31	WG1867755	
Toluene	U		0.000412	0.00100	0.00100	1	05/21/2022 18:12	WG1867440	L
Ethylbenzene	0.000406	J	0.000160	0.000500	0.000500	1	05/21/2022 18:12	WG1867440	3
Total Xylene	U		0.000510	0.00150	0.00150	1	05/21/2022 18:12	WG1867440	
(S) a,a,a-Trifluorotoluene(PID)	105				79.0-125		05/21/2022 18:12	WG1867440	Γ
(S) a,a,a-Trifluorotoluene(PID)	99.4				79.0-125		05/23/2022 01:31	WG1867755	
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Volatile Organic Compounds (GC) by Method 8021B

Volatile Organic Comp	ounds (GC) by Meth	od 8021B					
	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	0.675		0.00380	0.000500	0.0100	20	05/23/2022 01:54	WG1867755
Toluene	U		0.000412	0.00100	0.00100	1	05/21/2022 18:34	WG1867440
Ethylbenzene	0.000424	J	0.000160	0.000500	0.000500	1	05/21/2022 18:34	WG1867440
Total Xylene	U		0.000510	0.00150	0.00150	1	05/21/2022 18:34	WG1867440
(S) a,a,a-Trifluorotoluene(PID)	112				79.0-125		05/21/2022 18:34	WG1867440
(S) a,a,a-Trifluorotoluene(PID)	99.4				79.0-125		05/23/2022 01:54	WG1867755

SDG: L1493726

DATE/TIME: 05/23/22 17:01

Volatile Organic Compounds (GC) by Method 8021B

QUALITY CONTROL SUMMARY

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Method Blank (MB)

(MB) R3794660-3 05/20	/22 23:00			
<pre></pre>	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Benzene	U		0.000190	0.000500
Toluene	U		0.000412	0.00100
Ethylbenzene	0.000413	J	0.000160	0.000500
Total Xylene	U		0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	98.5			79.0-125

Laboratory Control Sample (LCS)

(LCS) R3794660-1 05/20/22 21:02

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Benzene	0.0500	0.0527	105	77.0-122	
Toluene	0.0500	0.0577	115	80.0-121	
Ethylbenzene	0.0500	0.0499	99.8	80.0-123	
Total Xylene	0.150	0.173	115	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			100	79.0-125	

SDG: L1493726 DATE/TIME: 05/23/22 17:01

PAGE: 19 of 24 Volatile Organic Compounds (GC) by Method 8021B

98.4

QUALITY CONTROL SUMMARY

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Method Blank (MB)

(S) a,a,a-Trifluorotoluene(PID)

(MB) R3794651-3 05/21/	22 14:44				
	MB Result	MB Qualifier	MB MDL	MB RDL	
Analyte	mg/l		mg/l	mg/l	
Benzene	U		0.000190	0.000500	
Toluene	U		0.000412	0.00100	
Ethylbenzene	U		0.000160	0.000500	
Total Xylene	U		0.000510	0.00150	

Laboratory Control Sample (LCS)	

(LCS) R3794651-2 05/21/22 13:37

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Benzene	0.0500	0.0503	101	77.0-122	
Toluene	0.0500	0.0567	113	80.0-121	
Ethylbenzene	0.0500	0.0487	97.4	80.0-123	
Total Xylene	0.150	0.170	113	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			101	79.0-125	

79.0-125

SDG: L1493726 DATE/TIME: 05/23/22 17:01

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Volatile Organic Compounds (GC) by Method 8021B

QUALITY CONTROL SUMMARY

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Method Blank (MB)

Method Blank (ME)				Cn
(MB) R3795026-1 05/22/	/22 17:21				Ср
	MB Result	MB Qualifier	MB MDL	MB RDL	2
Analyte	mg/l		mg/l	mg/l	Тс
Benzene	U		0.000190	0.000500	
(S) a,a,a-Trifluorotoluene(PID)	98.2			79.0-125	³ Ss

Laboratory Control Sample (LCS)

(LCS) R3795026-2 05/2	2/22 15:12				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Benzene	0.0500	0.0514	103	77.0-122	
(S) a.a.a-Trifluorotoluene(PID)			101	79.0-125	

SDG: L1493726 DATE/TIME: 05/23/22 17:01

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Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

MDL	Method Detection Limit.
MQL	Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
SDL	Sample Detection Limit.
(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.
Unadj. MQL	Unadjusted Method Quantitation 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

В	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.

PROJECT: SRS 2006-142 SDG: L1493726 DATE/TIME: 05/23/22 17:01

Received by OCD: 3/23/2023 2:43:14 PM CCREDITATIONS & LOCATIONS

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Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	TN00003
colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
lorida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
daho	TN00003	Ohio-VAP	CL0069
llinois	200008	Oklahoma	9915
ndiana	C-TN-01	Oregon	TN200002
owa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
entucky ¹⁶	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
ouisiana	AI30792	Tennessee ¹⁴	2006
ouisiana	LA018	Texas	T104704245-20-18
laine	TN00003	Texas ⁵	LAB0152
laryland	324	Utah	TN000032021-11
lassachusetts	M-TN003	Vermont	VT2006
Aichigan	9958	Virginia	110033
linnesota	047-999-395	Washington	C847
Aississippi	TN00003	West Virginia	233
lissouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
2LA – 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
PA–Crypto	TN00003		

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

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

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

SDG: L1493726 DATE/TIME: 05/23/22 17:01

Received by OCD: 3/23/20 Plains All American, LP	All American, LP - GHD Billing Information: Analysis / Contai				tainer / Preservative	e Chain of Custody Page 115							
2135 S Loop 250 W Midland, TX 79703	p 250 W Attn: Camille Bryant 10 Desta Dr., Ste. 550E Chk							- Pace National C	Analytical® Center for Testing & Innovation				
				Email To: becky.haskell@ghd.com				5				12065 Lebanon Rd Mount Juliet, TN 3	
roject Description: Lovington Gathering WTI			City/State Collected:			res-V				Phone: 615-758-58 Phone: 800-767-58 Fax: 615-758-5859			
Phone: 432-250-7917 Fax:	250-7917 Client Project # SRS 2006-142			Lab Project			40mLAmb-HCL	40mLAmb-NoPres-WT				L# 149 MO	3726
Collected by (print): Dard Plet cu	Site/Facility ID # SRS 2006-142			P.O. #			nLArr	ILAm				Acctnum:	
Collected by (signature): Daw PULL Immediately Packed on Ice N Y	Rush? (I Same D Next Da Two Da Three D	y 5 Day y 10 Da			Results Needed	No.	8021B	PAHSIMLVI 40m				Template: Prelogin: TSR: PB: Shipped Via: Remarks Sample # (lab on	
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	×	AHS					
LG-MW-38-051122	GRAB	Gw	NA	5-11-22	1035	3	X					nemarks	Sample # (rab only)
LC-mw-512-051122	1	1	1	1	1100	1	1						-vi
LG-mw-9-051122					1120	11							23
LG-MW-11-051122					1150								-24
LG-MW-7- 051122					1210	1							-07
LG-MW-18-051122					1230								-16
LG-MW-2R-051122					1310							and the second s	n
(G-MW-12- 051122					1330	1							28
LG-mw-4R-051122	J	J	U	J	1350	V	V						-24
* Matrix: 55 - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water DT - Other Relinquished by : (Signature) Belinquished by : (Signature) Relinquished by : (Signature)		imated cor -12572711	ncentrations;				pH Flow	Temp Other	COC Seal P COC Signed Bottles ar Correct bo	ple Receipt Cl resent/Intact Accurate: rive intact: ttles used: volume sent: If Applicab			
		T	ïme:	Received by: (Signat	ure)			Trip Blank Red	eived: Yes (No)	VOA Zero H Preservati		Y_N	
Down Black 12		5-13-1	22	1030	C	B		-		HCL/MeoH			
Relinquished by : (Signature)		Date: 5/13/	. Т	ime: 1700	Received by: (Signat	ure)			Temp: DRA	TBR C Bottles Received: 021.727	If preservatio	on required by Lo	gin: Date/Time
Relinquished by : (Signature) Released to Imaging: 7/26	/2023 11:11	Date:	Т	ïme:	Received for lab by:	(Signati	ure)	0-	Date:		Hold:		Condition: NCF / QK

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Pace Analytical®

Plains All American, LP - GHD	D	ANALYTI Augus	CAL REPOR st 26, 2022	Т
Sample Delivery Group: 1526403	Pla	ains All American,	LP - GHD	
	Sar	mple Delivery Group:	L1526403	

Sample Delivery Group:	L1526403
Samples Received:	08/12/2022
Project Number:	SRS 2006-142
Description:	Lovington Gathering WTI, SRS 2006-142
Site:	SRS 2006-142
Report To:	Becky Haskell
	2135 S Loop 250 W
	Midland, TX 79703

Entire Report Reviewed By:

Drittine Boyd

Brittnie L Boyd Project Manager

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

Pace Analytical National

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

Released to Imaging: 04/26/2023 11:11:20 AM Plains All American, LP - GHD PROJECT: SRS 2006-142 SDG: L1526403

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DATE/TIME: 08/26/22 15:01

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¹ Cp ² Tc ³ Ss ⁴ Cn ⁵ Tr ⁶ Sr ⁷ Qc ⁸ Gl ⁹ Al ¹⁰ Sc

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GOFF DAIRY-WELL-080922 L1526403-04	13
MW-4R-081022 L1526403-05	14
MW-1R-081022 L1526403-06	15
JW-WELL-081022 L1526403-07	16
MW-2R-081022 L1526403-08	17
MW-3R-081022 L1526403-09	18
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SAMPLE SUMMARY

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• Jr		501011				Ŭ
GDC PIVOT-END-080922 L1526403-01 GW			Collected by MC/JM	Collected date/time 08/09/22 12:30	Received da 08/12/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1912679	1	08/18/22 06:18	08/18/22 06:18	ACG	Mt. Juliet, TN
GDCP-BEG080922 L1526403-02 GW			Collected by MC/JM	Collected date/time 08/09/22 12:45	Received da 08/12/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1912679	1	08/18/22 06:39	08/18/22 06:39	ACG	Mt. Juliet, TN
GDCP-WELL-080922 L1526403-03 GW			Collected by MC/JM	Collected date/time 08/09/22 13:00	Received da 08/12/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1912679	1	08/18/22 07:01	08/18/22 07:01	ACG	Mt. Juliet, TN
GOFF DAIRY-WELL-080922 L1526403-04 GW			Collected by MC/JM	Collected date/time 08/09/22 13:15	Received da 08/12/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1912679	1	08/18/22 07:23	08/18/22 07:23	ACG	Mt. Juliet, TN
MW-4R-081022 L1526403-05 GW			Collected by MC/JM	Collected date/time 08/10/22 11:30	Received da 08/12/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1912679	10	08/18/22 11:41	08/18/22 11:41	ACG	Mt. Juliet, TN
MW-1R-081022 L1526403-06 GW			Collected by MC/JM	Collected date/time 08/10/22 11:35	Received da 08/12/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1912679	1	08/18/22 07:44	08/18/22 07:44	ACG	Mt. Juliet, TN
JW-WELL-081022 L1526403-07 GW			Collected by MC/JM	Collected date/time 08/10/22 11:50	Received da 08/12/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1912679	1	08/18/22 08:06	08/18/22 08:06	ACG	Mt. Juliet, TN
MW-2R-081022 L1526403-08 GW			Collected by MC/JM	Collected date/time 08/10/22 13:15	Received da 08/12/22 09	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1912679	1	08/18/22 08:27	08/18/22 08:27	ACG	Mt. Juliet, TN

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SAMPLE SUMMARY

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MW-3R-081022 L1526403-09 GW			Collected by MC/JM	Collected date/time 08/10/22 13:20	Received da 08/12/22 09:	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1912679	1	08/18/22 08:49	08/18/22 08:49	ACG	Mt. Juliet, TN
MW-11-081022 L1526403-10 GW			Collected by MC/JM	Collected date/time 08/10/22 13:30	Received da	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1912679	1	08/18/22 09:10	08/18/22 09:10	ACG	Mt. Juliet, TN
MW-9-081022 L1526403-11 GW			Collected by MC/JM	Collected date/time 08/10/22 14:10	Received da 08/12/22 09:	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1912679	1	08/18/22 09:32	08/18/22 09:32	ACG	Mt. Juliet, TN
MW-7-081022 L1526403-12 GW			Collected by MC/JM	Collected date/time 08/10/22 14:20	Received da	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1912679	1	08/18/22 09:54	08/18/22 09:54	ACG	Mt. Juliet, TN
MW-12-081022 L1526403-13 GW			Collected by MC/JM	Collected date/time 08/10/22 14:20	Received da 08/20/22 08	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B Volatile Organic Compounds (GC) by Method 8021B	WG1915506 WG1916387	1 10	08/24/22 17:26 08/25/22 22:18	08/24/22 17:26 08/25/22 22:18	JAH JAH	Mt. Juliet, TN Mt. Juliet, TN
MW-5R-081022 L1526403-14 GW			Collected by MC/JM	Collected date/time 08/10/22 14:20	Received da 08/20/22 08	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1915506	1	08/24/22 17:47	08/24/22 17:47	JAH	Mt. Juliet, TN

PROJECT: SRS 2006-142

SDG: L1526403

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CASE NARRATIVE

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

Drittine Boyd

Brittnie L Boyd Project Manager

Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

Lab Sample ID	Project Sample ID	Method
L1526403-05	MW-4R-081022	8021B
L1526403-06	MW-1R-081022	8021B
L1526403-08	MW-2R-081022	8021B
L1526403-10	MW-11-081022	8021B
L1526403-14	MW-5R-081022	8021B

Тс Ss Cn Tr Sr Qc Gl AI Sc

SDG: L1526403 DATE/TIME: 08/26/22 15:01

PAGE: 5 of 33

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

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

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

Drittie Boyd

Brittnie L Boyd Project Manager

ab	boratory Name: Pace Analytical National LRC Date: 08/26/2022 15:01									
	ject N 06-142	lame: Lovington Gathering WTI, SRS 2	Laboratory Job Number: L1526403-01, 02, 03, 04, 05 14	2, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13 an						
Rev	viewe	r Name: Brittnie L Boyd	d WG1916387							
1	A ²	Description		Yes	No	NA ³	NR⁴	ER#		
1	OI	Chain-of-custody (C-O-C)		•				•		
		Did samples meet the laboratory's standard conditions	s of sample acceptability upon receipt?	X		Ι				
		Were all departures from standard conditions describe				Х				
2	OI	Sample and quality control (QC) identification								
		Are all field sample ID numbers cross-referenced to the	e laboratory ID numbers?	X	1	Τ	1	1		
		Are all laboratory ID numbers cross-referenced to the		Х						
3	OI	Test reports								
-		Were all samples prepared and analyzed within holdin	a times?		X	Г	1	1		
		Other than those results < MQL, were all other raw values	•		Х			2		
		Were calculations checked by a peer or supervisor?		X						
		Were all analyte identifications checked by a peer or s	upervisor?	X						
		Were sample detection limits reported for all analytes		X						
		Were all results for soil and sediment samples reported		X			1			
		Were % moisture (or solids) reported for all soil and se				X				
		Were bulk soils/solids samples for volatile analysis ext				X	<u> </u>			
		If required for the project, are TICs reported?			X					
4	0	Surrogate recovery data		L	I		I	I		
+	0	Were surrogates added prior to extraction?			1	T	T	1		
			in the laboratory OC limits?	X X						
5		Were surrogate percent recoveries in all samples within						I		
5	OI	Test reports/summary forms for blank samples			1	1	<u> </u>	1		
		Were appropriate type(s) of blanks analyzed?		X						
		Were blanks analyzed at the appropriate frequency?		X			 			
		Were method blanks taken through the entire analytica cleanup procedures?	al process, including preparation and, if applicable,	X						
		Were blank concentrations < MQL?		X						
6	OI	Laboratory control samples (LCS):			I	I	I	I		
0		Were all COCs included in the LCS?		X	1	T	T	1		
		Was each LCS taken through the entire analytical proc	adure including prop and cleanup stops?	X						
		Were LCSs analyzed at the required frequency?		X						
		Were LCS (and LCSD, if applicable) %Rs within the labo	aratary OC limita?	X						
			ne laboratory's capability to detect the COCs at the MDL	1						
		used to calculate the SDLs?	le laboratory's capability to detect the COCs at the MDL	X						
		Was the LCSD RPD within QC limits?		X						
7	OI	Matrix spike (MS) and matrix spike duplicate (MSD) dat	a					1		
		Were the project/method specified analytes included i			1	X	T	1		
		Were MS/MSD analyzed at the appropriate frequency?				X				
		Were MS (and MSD, if applicable) %Rs within the labor				X	1			
		Were MS/MSD RPDs within laboratory QC limits?				X				
8	OI	Analytical duplicate data						I		
0		Were appropriate analytical duplicates analyzed for ea	ach matrix?		1	X	1	1		
		Were analytical duplicates analyzed at the appropriate				X				
		Were RPDs or relative standard deviations within the la	• •			X	<u> </u>			
9	0	Method guantitation limits (MQLs):					I	I		
5		Are the MQLs for each method analyte included in the	Jahoratory data package?	X	1	1	T	1		
		Do the MQLs for each method analyte included in the		X						
		Are unadjusted MQLs and DCSs included in the labora		X						
10	OI	Other problems/anomalies	alory data package:				I	I		
.0		Are all known problems/anomalies/special conditions	noted in this I BC and EP?	r	X	1	1	3		
			er the SDL to minimize the matrix interference effects on		\uparrow					
		the sample results?	a the SPL to minimize the matrix interference enects on	X						
		Is the laboratory NELAC-accredited under the Texas L and methods associated with this laboratory data pack	aboratory Accreditation Program for the analytes, matrices	х						
noul	ld be re	· · ·	bry data package submitted in the TRRP-required report(s). priate retention period.	I Items i	l dentifie	d by th	letter	"S"		

SDG: L1526403

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	d TIC data subject to appropriate checks?			Х		
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	able or obtained from other appropriate sources?	X				
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	cation documented?	X				
Demonstration of analyst competency (DOC)						
istent with NELAC Chap	oter 5?					
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o generate the data doo	cumented, verified, and validated, where applicable	? X				
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4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

SDG: L1526403

Laborato	ry Name: Pace Analytical National LRC Date: 08/26/2022 15:01						
Project N 2006-14	Name: Lovington Gathering WTI, SRS 2	Laboratory Job Number: L1526403-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13 and 14					
Reviewer Name: Brittnie L Boyd Prep Batch Number(s): WG1912679, WG1915506 and WG1916387							
ER # ¹	Description						
1	8021B WG1916387 L1526403-13: Prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.						
2	8021B WG1915506 L1526403-13: The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).						
3	8021B WG1912679 L1526403-05, 06, 08 and 10: pH outside of method requirement. 8021B WG1915506 L1526403-14: pH outside of method requirement.						
 Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period. 							

2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;

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

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SAMPLE RESULTS - 01 L1526403

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Volatile Organic Compounds (GC) by Method 8021B

Volatile Organic Comp	pounds (GC)) by Meth	od 8021B						1
	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	U		0.000190	0.000500	0.000500	1	08/18/2022 06:18	WG1912679	Tc
Toluene	0.000637	J	0.000412	0.00100	0.00100	1	08/18/2022 06:18	WG1912679	
Ethylbenzene	0.000304	J	0.000160	0.000500	0.000500	1	08/18/2022 06:18	WG1912679	³ C c
Total Xylene	0.00111	J	0.000510	0.00150	0.00150	1	08/18/2022 06:18	WG1912679	55
(S) a,a,a-Trifluorotoluene(PID)	95.7				79.0-125		08/18/2022 06:18	WG1912679	4

⁴ Cn
⁵Tr
⁶ Sr
⁷ Qc
[°] Gl
⁹ Al
¹⁰ Sc

SDG: L1526403

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Volatile Organic Compounds (GC) by Method 8021B

Volatile Organic Comp	oounds (GC) by Meth	od 8021B						
	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	— Ср
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	0.000219	J	0.000190	0.000500	0.000500	1	08/18/2022 06:39	WG1912679	Tc
Toluene	U		0.000412	0.00100	0.00100	1	08/18/2022 06:39	WG1912679	
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/18/2022 06:39	WG1912679	³ Sc
Total Xylene	U		0.000510	0.00150	0.00150	1	08/18/2022 06:39	WG1912679	55
(S) a,a,a-Trifluorotoluene(PID)	96.9				79.0-125		08/18/2022 06:39	WG1912679	4

55
⁴ Cn
⁵Tr
⁶ Sr
⁷ Qc
[®] Gl
PAI
¹⁰ SC

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SAMPLE RESULTS - 03

Volatile Organic Compounds (GC) by Method 8021B

									1 ('0
	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	0.000216	J	0.000190	0.000500	0.000500	1	08/18/2022 07:01	WG1912679	Tc
Toluene	U		0.000412	0.00100	0.00100	1	08/18/2022 07:01	WG1912679	
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/18/2022 07:01	WG1912679	³ C c
Total Xylene	U		0.000510	0.00150	0.00150	1	08/18/2022 07:01	WG1912679	03
(S) a,a,a-Trifluorotoluene(PID)	97.9				79.0-125		08/18/2022 07:01	WG1912679	4



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Volatile Organic Compounds (GC) by Method 8021B

Volatile Organic Comp	pounds (GC)) by Meth	od 8021B						1
	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	0.000498	J	0.000190	0.000500	0.000500	1	08/18/2022 07:23	WG1912679	Tc
Toluene	U		0.000412	0.00100	0.00100	1	08/18/2022 07:23	WG1912679	
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/18/2022 07:23	WG1912679	³ S c
Total Xylene	U		0.000510	0.00150	0.00150	1	08/18/2022 07:23	WG1912679	53
(S) a,a,a-Trifluorotoluene(PID)	97.3				79.0-125		08/18/2022 07:23	WG1912679	4

ັSs
⁴ Cn
⁵Tr
⁶ Sr
⁷ Qc
[°] GI
⁹ Al
Sc

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Volatile Organic Compounds (GC) by Method 8021B

Volatile Organic Comp	pounds (G0	C) by Meth	od 8021B						1
	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	0.115		0.00190	0.000500	0.00500	10	08/18/2022 11:41	WG1912679	Ťc
Toluene	U		0.00412	0.00100	0.0100	10	08/18/2022 11:41	WG1912679	
Ethylbenzene	U		0.00160	0.000500	0.00500	10	08/18/2022 11:41	WG1912679	³ C c
Total Xylene	U		0.00510	0.00150	0.0150	10	08/18/2022 11:41	WG1912679	53
(S) a,a,a-Trifluorotoluene(PID)	97.4				79.0-125		08/18/2022 11:41	WG1912679	4

⁴Cn
⁵Tr
⁶ Sr
⁷ Qc
[°] Gl
⁹ Al
¹⁰ Sc

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Volatile Organic Compounds (GC) by Method 8021B

Volatile Organic Comp	bounds (GC) by Meth	od 8021B						1
	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	Cp
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	0.00371		0.000190	0.000500	0.000500	1	08/18/2022 07:44	WG1912679	Tc
Toluene	U		0.000412	0.00100	0.00100	1	08/18/2022 07:44	WG1912679	
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/18/2022 07:44	WG1912679	³ C c
Total Xylene	U		0.000510	0.00150	0.00150	1	08/18/2022 07:44	WG1912679	05
(S) a,a,a-Trifluorotoluene(PID)	96.8				79.0-125		08/18/2022 07:44	WG1912679	4

ັSs
⁴ Cn
⁵Tr
⁶ Sr
⁷ Qc
[°] Gl
⁹ Al
¹⁰ Sc

Released to Imaging: 7/26/2023 11:11:20 AM Plains All American, LP - GHD

PROJECT: SRS 2006-142

SDG: L1526403

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Volatile Organic Compounds (GC) by Method 8021B

	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	0.000236	J	0.000190	0.000500	0.000500	1	08/18/2022 08:06	WG1912679	Tc
Toluene	U		0.000412	0.00100	0.00100	1	08/18/2022 08:06	WG1912679	
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/18/2022 08:06	WG1912679	³ C c
Total Xylene	0.0112		0.000510	0.00150	0.00150	1	08/18/2022 08:06	WG1912679	53
(S) a,a,a-Trifluorotoluene(PID)	96.9				79.0-125		08/18/2022 08:06	WG1912679	4



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Volatile Organic Compounds (GC) by Method 8021B

Volatile Organic Comp	oounds (GC) by Meth	od 8021B						1
	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	[Cp
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	0.0468		0.000190	0.000500	0.000500	1	08/18/2022 08:27	WG1912679	Tc
Toluene	U		0.000412	0.00100	0.00100	1	08/18/2022 08:27	WG1912679	
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/18/2022 08:27	WG1912679	³ C c
Total Xylene	0.00149	J	0.000510	0.00150	0.00150	1	08/18/2022 08:27	WG1912679	53
(S) a,a,a-Trifluorotoluene(PID)	95.6				79.0-125		08/18/2022 08:27	WG1912679	4

⁴Cn
⁵Tr
⁶ Sr
⁷ Qc
[°] Gl
⁹ Al
¹⁰ Sc

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Volatile Organic Compounds (GC) by Method 8021B

	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	U		0.000190	0.000500	0.000500	1	08/18/2022 08:49	WG1912679	Tc
Toluene	U		0.000412	0.00100	0.00100	1	08/18/2022 08:49	WG1912679	
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/18/2022 08:49	WG1912679	³ Ss
Total Xylene	U		0.000510	0.00150	0.00150	1	08/18/2022 08:49	WG1912679	55
(S) a,a,a-Trifluorotoluene(PID)	98.1				79.0-125		08/18/2022 08:49	WG1912679	4

⁴Cn
⁵Tr
⁶ Sr
⁷ Qc
[°] Gl
⁹ Al
¹⁰ Sc

SDG: L1526403 DATE/TIME:

SAMPLE RESULTS - 10 L1526403

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Volatile Organic Compounds (GC) by Method 8021B

Volatile Organic Compounds (GC) by Method 8021B									
	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	U		0.000190	0.000500	0.000500	1	08/18/2022 09:10	WG1912679	².
Toluene	U		0.000412	0.00100	0.00100	1	08/18/2022 09:10	WG1912679	
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/18/2022 09:10	WG1912679	3
Total Xylene	U		0.000510	0.00150	0.00150	1	08/18/2022 09:10	WG1912679	
(S) a,a,a-Trifluorotoluene(PID)	95.6				79.0-125		08/18/2022 09:10	WG1912679	4

⁴ Cn
⁵Tr
⁶ Sr
⁷ Qc
[°] Gl
⁹ Al
¹⁰ Sc

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SAMPLE RESULTS - 11

Volatile Organic Compounds (GC) by Method 8021B

	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	U		0.000190	0.000500	0.000500	1	08/18/2022 09:32	WG1912679	Tc
Toluene	U		0.000412	0.00100	0.00100	1	08/18/2022 09:32	WG1912679	
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/18/2022 09:32	WG1912679	³ Ss
Total Xylene	U		0.000510	0.00150	0.00150	1	08/18/2022 09:32	WG1912679	05
(S) a,a,a-Trifluorotoluene(PID)	97.7				79.0-125		08/18/2022 09:32	WG1912679	4



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Volatile Organic Compounds (GC) by Method 8021B

	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l	mg/l	mg/l		date / time	
nzene	U		0.000190	0.000500	0.000500	1	08/18/2022 09:54	WG1912679
luene	U		0.000412	0.00100	0.00100	1	08/18/2022 09:54	WG1912679
lbenzene	U		0.000160	0.000500	0.000500	1	08/18/2022 09:54	WG1912679
al Xylene	U		0.000510	0.00150	0.00150	1	08/18/2022 09:54	WG1912679
'S) a,a,a-Trifluorotoluene(PID)	97.6				79.0-125		08/18/2022 09:54	WG1912679



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SAMPLE RESULTS - 13 L1526403

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Volatile Organic Compounds (GC) by Method 8021B

Volatile Organic Compounds (GC) by Method 8021B								
	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	0.389	E	0.000190	0.000500	0.000500	1	08/24/2022 17:26	WG1915506
Benzene	0.426	<u>T8</u>	0.00190	0.000500	0.00500	10	08/25/2022 22:18	WG1916387
Toluene	U		0.000412	0.00100	0.00100	1	08/24/2022 17:26	WG1915506
Ethylbenzene	0.000164	J	0.000160	0.000500	0.000500	1	08/24/2022 17:26	WG1915506
Total Xylene	0.000870	J	0.000510	0.00150	0.00150	1	08/24/2022 17:26	WG1915506
(S) a,a,a-Trifluorotoluene(PID)	94.9				79.0-125		08/24/2022 17:26	WG1915506
(S) a,a,a-Trifluorotoluene(PID)	95.8				79.0-125		08/25/2022 22:18	WG1916387

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Volatile Organic Compounds (GC) by Method 8021B

Volatile Organic Compounds (GC) by Method 8021B									1
	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	— Cp
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	0.0698		0.000190	0.000500	0.000500	1	08/24/2022 17:47	WG1915506	Tc
Toluene	U		0.000412	0.00100	0.00100	1	08/24/2022 17:47	WG1915506	
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/24/2022 17:47	WG1915506	³ Ss
Total Xylene	U		0.000510	0.00150	0.00150	1	08/24/2022 17:47	WG1915506	53
(S) a,a,a-Trifluorotoluene(PID)	96.4				79.0-125		08/24/2022 17:47	WG1915506	4

⁴Cn
⁵Tr
⁶ Sr
⁷ Qc
[°] Gl
⁹ Al
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Released to Imaging: 7/26/2023 11:11:20 AM Plains All American, LP - GHD

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SDG: L1526403

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PAGE: 23 of 33 Volatile Organic Compounds (GC) by Method 8021B

QUALITY CONTROL SUMMARY L1526403-01.02.03.04.05.06.07.08.09.10.11.12

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Method Blank (MB)

(MB) R3827829-3 08/18/	/22 04:30		(MB) R3827829-3 08/18/22 04:30						
	MB Result	MB Qualifier	MB MDL	MB RDL					
Analyte	mg/l		mg/l	mg/l					
Benzene	U		0.000190	0.000500					
Toluene	U		0.000412	0.00100					
Ethylbenzene	U		0.000160	0.000500					
Total Xylene	U		0.000510	0.00150					
(S) a,a,a-Trifluorotoluene(PID)	95.9			79.0-125					

Laboratory Control Sample (LCS)

(LCS) R3827829-1 08/18/22 02:58

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Benzene	0.0500	0.0455	91.0	77.0-122	
Toluene	0.0500	0.0444	88.8	80.0-121	
Ethylbenzene	0.0500	0.0453	90.6	80.0-123	
Total Xylene	0.150	0.133	88.7	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			98.3	79.0-125	

SDG: L1526403 DATE/TIME: 08/26/22 15:01 PAGE: 24 of 33

Volatile Organic Compounds (GC) by Method 8021B

QUALITY CONTROL SUMMARY L1526403-13,14

	')					Cp		
(MB) R3830273-3 08/24	(MB) R3830273-3 08/24/22 16:30							
	MB Result	MB Qualifier	MB MDL	MB RDL		2		
Analyte	mg/l		mg/l	mg/l		Tc		
Benzene	U		0.000190	0.000500				
Toluene	U		0.000412	0.00100		³ Ss		
Ethylbenzene	U		0.000160	0.000500		00		
Total Xylene	U		0.000510	0.00150		4		
(S) a,a,a-Trifluorotoluene(PID)	97.6			79.0-125		Cn		

Laboratory Control Sample (LCS)

(LCS) R3830273-1 08/24/22 14:25

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Benzene	0.0500	0.0457	91.4	77.0-122	
Toluene	0.0500	0.0449	89.8	80.0-121	
Ethylbenzene	0.0500	0.0463	92.6	80.0-123	
Total Xylene	0.150	0.137	91.3	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			97.3	79.0-125	

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Volatile Organic Compounds (GC) by Method 8021B

QUALITY CONTROL SUMMARY L1526403-13

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Method Blank (MB)

Method Blank (MB)				1 Cn
(MB) R3830905-3 08/25	/22 20:04				Ср
	MB Result	MB Qualifier	MB MDL	MB RDL	2
Analyte	mg/l		mg/l	mg/l	Тс
Benzene	U		0.000190	0.000500	
(S) a,a,a-Trifluorotoluene(PID)	98.0			79.0-125	³ Ss

Laboratory Control Sample (LCS)

(LCS) R3830905-1 08/25	6/22 18:03				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Benzene	0.0500	0.0467	93.4	77.0-122	
(S) a.a.a-Trifluorotoluene(PID)			97.5	79.0-125	

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Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

MDL	Method Detection Limit.
MQL	Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
SDL	Sample Detection Limit.
(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.
Unadj. MQL	Unadjusted Method Quantitation 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
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
T8	Sample(s) received past/too close to holding time expiration.

SDG: L1526403

Received by OCD: 3/23/2023 2:43:14 PM CCREDITATIONS & LOCATIONS

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Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico 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
ldaho	TN00003	Ohio-VAP	CL0069
llinois	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	AI30792	Tennessee ¹⁴	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

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

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

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Plains All Ame	rican, LP	GHD		Attn:	Information: Camille Bryan esta Dr., Ste. 55		Pres	F		Analysis / Contair	her / Preservative	Chein of Custody Page	
2135 S Loop 250 W Midland, TX 79703			Midla	Matthew	1					12065 Labanon Rd Mount Julier, TH 37127			
Report to: Becky Haskell				becky	.haskell@gna.		om		IN.			Phone 615-758-5818 Phone 800-757-5859	35
Project Description Lovingto	n Gathering	WTI			City/State Collected: Lovington, NM				Pres			Tex 615-758 5859	
Phone: 432-250-791	7 0	lient Project			Lab Project # SRS 2006-142				oN-du			A170	
Collected by (print): Mitchell Clemen De P Mirestes	Sit	e/Facility ID			P.O. #	A K SANA	-	40mLAmb-HCI	IFA			Acctnum:	
Collected by (signature):	JA	Rush? (Lai		Notified)	Quote #		-	40m	tom			Template:	
Collected by (signature): Philippe (ULTAR): Immediately Packed on ice N Y Y		Same Day Next Day	Five 0 5 Day 10 Da	Day	Date Reso Standard TA	ults Needed	No.	8021B	PAHSIMLVI 40mLAmb_NoPres-WT			Prelogin: TSR: PB:	
Sample ID	Con	np/Grab	Matrix *	Depth	Date	Time	Cntrs	BTEX	PAH			Shipped Via: Remarks Surray	e # (Sab
BOCPivot-EN	1-08092	50	7~	5	8-9-22	1230	3	X				-(21
GD LP-BegDe	REPORTED AND A PROPERTY.	3450-574.57E 195-6	-w	-	8-9-22	1245	3	X				-0	52
GDCP-Well-08	Contraction of the second second	The second s	$-\omega$	-	8-9-22	Contraction of the second s	3	X					27
Goff Dairy-Well	080522	G-6	FW	-	89-22	1315	3	X					JU
MW-4R-08102			4	-	8-10-22	1130	3	x					OF
Mu-1R-0810-		CONTRACTOR OF A DESCRIPTION OF	w	-	8-10-22	1135	3	X					-01
W-well-08102	Million Prinking and	G	w	E. Star	8-10-22	1150	X	t				-	Ó
MW-2R-0810:		-6	W	-	8-10-22	1315	3	K				-	-0'
MW-3R-0810		6	W	-	8-10-22	1320	3	x			the line		0
MW-12-0810	The second s	- 6	W	-	8-10-27	1345	30	1					
nii AIR - Air F - Filter Groundwater B - Bioassay WasteWater	Remarks 1. Repo 3. Lab P	rt to SDI	Ls; 2. Fla : PLAINS	ag estim SGHD-12	ated concent 2572711	trations;	10%			рН	Temp	COC Signed/Accurate:	List
rinking Water her		eturned via: FedEx		_	- Traci	king # <7	19	10	17	Flow_	Other	Bottles arrive intact: Correct bottles used: Sufficient volume sent: If Applicable	
shed by : (Signature)		Date:	1-22	Time 14	e: CORece	ived by: (Signatu	re)	01	-	Trip Blank Re	eceived: Yes No HCL/N	VOA Zero Headspace: Preservation Correct/Check	ed:
ned by (Signature)	1991 3000	Date:		Time	: Recei	ved by: (Signatur	re)				TBR °C Bottles Recei		
P		18-1	11-20	2 180		edex				Temp:	C BOTTIES NECE	The preservation required by LDgm.	Ued
s by (Signature)		Date:		Time:		ved for lab by: (S		102 5322		5	27		1
d by OCD: 3/23/2023 2:43	3:14 PM					Ani	alysis / Container / Preservative	Chain of Controly Par Pag	ge 145				
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Plains All American, LP 2135 S Loop 250 W Midland, TX 79703	Attn: Cam 10 Desta I Midland,	Billing Information: Attn: Camille Bryant 10 Desta Dr., Ste. 550E Midland, TX 79705 Email To: Matt. Langh (In bocky.backell@ghd.com					2000 Linkness of American States						
teport to: Recky Haskell	bosky.hes						Fax: 615-736-5858	盤					
reservation: Lovington Gatheri	ng WTI		City/State Collected: Lovir	vington, NM				1 1 1 2 2 0	407				
Client Project # SRS 2006-142			Lab Project # · SRS 2006-142			A-dmA		Table #					
Here Conten), Sac Minde	Site/Facility ID # SRS 2006-142		P.O. # Quote #		40mL	AOML		Prologin: TSR:					
illected by (signature): halon dunun muchately	Rush? (Lab MUST E Same Day Fiv Next Day 5D Two Day 10 Three Day	e Day ay (Rad Only)		Its Needed	BTEX 8021B 40mLAmb-HCl	PAHSIMILVI 40mL Amb-NoPres-WT		PB: Shipped Var	-				
Sample ID	Comp/Grab Matrix	Depth	Date	Time					-10				
10-11-031022 G GW			8-10-22 1330 3 8-10-22 +4/8'0 3			++							
MW-7-081022 MW-5R-081022	G GW		8-10-23	1720	3. X X								
									-				
rix: all AIR - Air F - Filter Groundwater B - Bioassay	Remarks: 1. Report to SDLs; 3. Lab Project #: P	2. Flag esti AINSGHD-	mated conce 12572711	entrations;			pH Tem Flow Oth	er Bottles arrive int Correct bottles un	acti sedi				
WasteWater Drinking Water	Samples returned via: UPS FedExC	amples seturned via:			Tracking #			VOA Zero Headspet					
inshed by : (Signature) MC Sheed by : (Signature)	Date: 8-11 Date:	-22 T	1900	Received by: (Signat Received by: (Signat Feed Ext	-	-	Trip Blank Received: Temp: °C B	HCL / MeoH TBR ottles Received: If preservation requ					
d to Imaging: 7/26/2023 1	Date:		COMPACT AND ADDRESS OF THE OWNER OWNER OF THE OWNER O	Received for lab by	; (Signat	ure)	Date:	Time: Hold:					

Received by OCD: 3/23/202 Plains All American, LP	- GHD	<i>и</i>	Billing Info	ormation:	and the second s					Analysis / Container / Preservative				Chain of Custody Page 146 of 1							
135 S Loop 250 W /idland, TX 79703		Attn: Camille Bryant			- Pace National Ce	e Analytical * Center for Testing & Innovat															
eport to: Becky Haskell			Email To: becky.h	askell@ghd.c	:om			H					17 12 12 12 12 12 12 12 12 12 12 12 12 12			12065 Lebanon Rd Mount Juliet, TN 37122					
roject escription: Lovington Gatheri	ng WTI							City/State Collected: LOV	vington, NM			res-V						iide -		Phone: 615-758-585 Phone: 800-767-585 Fax: 615-758-5859	
hone: 432-250-7917 ax:	Client Project			Lab Project # SRS 2006-1	42		nb-HCI	doN-d									L# L 1526 403 M130				
ollected by (print):	Site/Facility II SRS 2006-		ates. Ates	P.O. #		1	mLAn	nLAm		a A			1			IVI I	50 _				
collected by (signature): mmediately acked on Ice N Y	Rush? (I Same Da Next Da Two Day Three Da	y 5 Day			ults Needed	No.	BTEX 8021B 40mLAmb-HCL	PAHSIMENt 40mLAmb-NoPres-WT								Template: Prelogin: TSR: PB: Shipped Via: Remarks Sample # (lab or					
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	3TEX	AHS													
MW-12-081023	6	600	-	08/10/22	1345	3	X	7								1. 1. 11. 11. 11. 11. 11. 11. 11. 11. 1	- 13				
MW-5R-081022	6	GW	-	07/10/22	1445	З	X				\$			1			- 14				
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V - Drinking Water - Other	Samples return UPS Fee		rier		acking #				nth (PU'S.				Correct bottles used:							
linquished by : (Signature)		Date:	9/22	ime: Re	eceived by: (Signat	ture) B				Trip Bla	nk Receiv		es / No HCL / MeoH TBR	Prese	Preservation Correct/Checked: _Y _h						
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elinquished by : (Signature) <i>Released to Imaging: 7/26/2</i>	2023 11:11:2	Date: 0 AM	Т	Time: Received for lab by: (Signature) Date: Time:				Hold:	Hold: Condition: NCF (OK)												

Received by OCD: 3/23/2023 2:43:14 PM

Released to Imaging: 7/26/2023 11:11:20 AM

O Lig2o6403 Missing Samples Arriving Special Instruction U/52 U/52 UW-5R-081022 and MW-12-081022 will arrive and need to be logged to Lig2o6 base are analyzed within holding time. U/52 Dh Time spent: oh U/52 Dh Time spent: oh U/52		, 3/23/2023 2:43:1	14 F 191	1 1		Page 148 o
	Special Instructions	be logged to L1526403.				
20 L1526403 Mi MW-5R-081022 ar these are analyzed v oh t 2022 5:00 PM for	1	id MW-12-081022 will arrive and need to vithin holding time. Time spent: oh		target UNKNOWN COLUMN		
PLAINSGHD 08/; Quantity: 2 Matrix: GW Analysis: BTEX Request: Samples Please make sure Time estimate: Members B Brittnie Boy Labels: VOC Due on 20 August		Matrix: GW Analysis: BTEX Request: Samples MW-5R-081022 an Please make sure these are analyzed w Time estimate: oh		Labels: VOC Due on 20 August 2022 5:00 PM for 1		

Received by OCD: 3/23/2023 2:43:14 PM

Plains All American, LP - GHD

Sa	ample Delivery Group:	L1536193
Sa	amples Received:	09/15/2022
Pr	oject Number:	SRS 2006-142
De	escription:	Lovington Gathering WTI
Sit	te:	SRS 2006-142
Re	eport To:	Matthew Laughlin
		2135 S Loop 250 W
		Midland, TX 79703

September 26, 2022

Entire Report Reviewed By:

Drittine Boyd

Brittnie L Boyd Project Manager

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

Pace Analytical National

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

Released to Imaging: 7/26/2023 11:11:20 AM Plains All American, LP - GHD

PROJECT: SRS 2006-142

SDG: L1536193

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Al: Accreditations & Locations	12				
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Ср
² Tc
³ Ss
⁴Cn
⁵Tr
⁶ Sr
⁷ Qc
°GI
⁹ Al
¹⁰ Sc

PROJECT: SRS 2006-142

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SAMPLE SUMMARY

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			Collected by	Collected date/time	Received date/t	ime	
MW-12-091322 L1536193-01 GW			Matthew Laughlin	09/13/22 14:50	09/15/22 09:00		1
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location	
			date/time	date/time			2.
Volatile Organic Compounds (GC) by Method 8021B	WG1929691	1	09/22/22 09:07	09/22/22 09:07	BAM	Mt. Juliet, TN	L



Ср

Released to Imaging: 7/26/2023 11:11:20 AM Plains All American, LP - GHD **PROJECT:** SRS 2006-142

SDG: L1536193 DATE/TIME: 09/26/22 10:15

5

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CASE NARRATIVE

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

Drittine Boyd

Brittnie L Boyd Project Manager

SDG: L1536193 DATE/TIME: 09/26/22 10:15 PAGE: 4 of 13

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

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

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

Drittie Boyd

Brittnie L Boyd Project Manager

Revised May 2010 Laboratory Review Checklist: Reportable Data

Lab	orato	ory Name: Pace Analytical National	LRC Date: 09/26/2022 10:15								
Pro	ject N	Name: Lovington Gathering WTI	Laboratory Job Number: L1536193-01								
Rev	viewe	r Name: Brittnie L Boyd	Prep Batch Number(s): WG1929691								
# ¹	A ²	Description		Yes	No	NA ³	NR ⁴	ER#			
२१	OI	Chain-of-custody (C-O-C)		•							
		Did samples meet the laboratory's standard conditions	of sample acceptability upon receipt?	Х							
		Were all departures from standard conditions describe	d in an exception report?			Х	1				
2	OI	Sample and quality control (QC) identification									
		Are all field sample ID numbers cross-referenced to the	e laboratory ID numbers?	X			Г	1			
		Are all laboratory ID numbers cross-referenced to the o		X							
3	OI	Test reports			1			I			
		Were all samples prepared and analyzed within holding	a timos?	X	1	1	T	T			
		Other than those results < MQL, were all other raw values	X								
			les blacketed by calibration standards:	X							
		Were calculations checked by a peer or supervisor?									
		Were all analyte identifications checked by a peer or su	·	X		-					
		Were sample detection limits reported for all analytes r		X			ļ	<u> </u>			
		Were all results for soil and sediment samples reported		Х			L				
		Were % moisture (or solids) reported for all soil and sec	diment samples?			Х					
		Were bulk soils/solids samples for volatile analysis extr	acted with methanol per SW846 Method 5035?			Х					
		If required for the project, are TICs reported?				Х					
4	0	Surrogate recovery data									
		Were surrogates added prior to extraction?		Х							
		Were surrogate percent recoveries in all samples within	n the laboratory QC limits?	Х							
25	OI	Test reports/summary forms for blank samples									
		Were appropriate type(s) of blanks analyzed?		Х			1				
		Were blanks analyzed at the appropriate frequency?		X							
		Were method blanks taken through the entire analytica	al process including preparation and if applicable								
		cleanup procedures?	i process, including preparation and, ir applicable,	X							
		Were blank concentrations < MQL?		Х							
8	OI	Laboratory control samples (LCS):									
		Were all COCs included in the LCS?		Х			1	1			
		Was each LCS taken through the entire analytical proce	edure, including prep and cleanup steps?	Х							
		Were LCSs analyzed at the required frequency?	5	Х							
		Were LCS (and LCSD, if applicable) %Rs within the labo	pratory QC limits?	X							
			e laboratory's capability to detect the COCs at the MDL				<u> </u>				
		used to calculate the SDLs?		X							
		Was the LCSD RPD within QC limits?		Х			1				
27	OI	Matrix spike (MS) and matrix spike duplicate (MSD) data	а		•		•				
		Were the project/method specified analytes included in				Х	Γ	1			
		Were MS/MSD analyzed at the appropriate frequency?				X					
		Were MS (and MSD, if applicable) %Rs within the labora				X					
		Were MS/MSD RPDs within laboratory QC limits?				X					
88	01	Analytical duplicate data		I	1		1	I			
.0		Were appropriate analytical duplicates analyzed for ea	ch matrix?	I	1	X	T	1			
		Were analytical duplicates analyzed to real				X	<u> </u>				
						X					
0		Were RPDs or relative standard deviations within the la					<u> </u>				
9	OI	Method quantitation limits (MQLs):			1	1	r	r –			
		Are the MQLs for each method analyte included in the		X				<u> </u>			
		Do the MQLs correspond to the concentration of the lo		X			ļ	<u> </u>			
	_	Are unadjusted MQLs and DCSs included in the labora	tory data package?	X							
10	OI	Other problems/anomalies	-	-	-		-				
		Are all known problems/anomalies/special conditions r		X	\vdash		 	 			
		Was applicable and available technology used to lower the sample results?	r the SDL to minimize the matrix interference effects on	х							
		Is the laboratory NELAC-accredited under the Texas La and methods associated with this laboratory data pack	х								
hou 2. O 3. N/ 4. NI	ld be r = orga A = No R = No	ntified by the letter "R" must be included in the laborator etained and made available upon request for the approp anic analyses; I = inorganic analyses (and general chemis t applicable; t reviewed; cception Report identification number (an Exception Rep	stry, when applicable);		identifie	ed by th	e letter	"S"			

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

PROJECT: SRS 2006-142 SDG: L1536193 PAGE: 6 of 13

Revised May 2010 Laboratory Review Checklist: Supporting Data

Lab	orato	ory Name: Pace Analytical National	LRC Date: 09/26/2022 10:15								
Pro	ject N	Jame: Lovington Gathering WTI	Laboratory Job Number: L1536193-01								
Rev	viewe	r Name: Brittnie L Boyd	Prep Batch Number(s): WG1929691								
# ¹	A ²	Description		Yes	No	NA ³	NR⁴	ER# ⁵			
S1	OI	Initial calibration (ICAL)									
		Were response factors and/or relative response factor	rs for each analyte within QC limits?			Х					
		Were percent RSDs or correlation coefficient criteria r	net?	X							
		Was the number of standards recommended in the m	ethod used for all analytes?	Х							
		Were all points generated between the lowest and high	ghest standard used to calculate the curve?	Х							
		Are ICAL data available for all instruments used?		Х							
		Has the initial calibration curve been verified using an	appropriate second source standard?	Х							
52	OI	Initial and continuing calibration verification (ICCV and	d CCV) and continuing calibration blank (CCB):								
		Was the CCV analyzed at the method-required freque	ency?	X							
		Were percent differences for each analyte within the r	method-required QC limits?	X							
		Was the ICAL curve verified for each analyte?		Х							
		Was the absolute value of the analyte concentration in	n the inorganic CCB < MDL?			Х	1				
53	0	Mass spectral tuning				-	•				
		Was the appropriate compound for the method used	for tuning?		1	Х					
		Were ion abundance data within the method-required				X					
54	0	Internal standards (IS)									
		Were IS area counts and retention times within the me	ethod-required QC limits?	X	1	1	T				
5	OI	Raw data (NELAC Section 5.5.10)									
-		Were the raw data (for example, chromatograms, spec	ctral data) reviewed by an analyst?	X	Т	Т	T	1			
		Were data associated with manual integrations flagge	X								
6	0	Dual column confirmation				1					
	-	Did dual column confirmation results meet the method		1	X	1	1				
57	0	Tentatively identified compounds (TICs)					1	<u> </u>			
		If TICs were requested, were the mass spectra and Th	C data subject to appropriate checks?		1	X	T	Г			
8	1	Interference Check Sample (ICS) results				~		I			
		Were percent recoveries within method QC limits?		1	T	X	Т	1			
59	Ti -	Serial dilutions, post digestion spikes, and method of	standard additions			~	1				
		Were percent differences, recoveries, and the linearity		1	T	X	1	1			
510	OI	Method detection limit (MDL) studies	y wann the de nints speened in the method.				1				
010		Was a MDL study performed for each reported analyte	a?	X	1	1	T	Г			
		Is the MDL either adjusted or supported by the analyst									
511	OI	Proficiency test reports					<u> </u>				
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Was the laboratory's performance acceptable on the a	applicable proficiency tests or evaluation studies?	X	1	1	T	1			
512	OI	Standards documentation	applicable proficiency tests of evaluation studies:		I		I	I			
212		Are all standards used in the analyses NIST-traceable	or obtained from other appropriate sources?		1	1	T	1			
513	OI	Compound/analyte identification procedures	of obtained from other appropriate sources:	X			1				
515		Are the procedures for compound/analyte identification	an documented?	X	1	T	T	T			
514	01		Sir documented:		I		I				
014		Demonstration of analyst competency (DOC) Was DOC conducted consistent with NELAC Chapter	E2		T	1	1	Г			
		•									
15		Is documentation of the analyst's competency up-to-date and on file? X OI Verification/validation documentation for methods (NELAC Chapter 5)					1				
515		· · · · · · · · · · · · · · · · · · ·			1		1	1			
10	Are all the methods used to generate the data documented, verified, and validated, where applicable? X						I	L			
516	OI	Laboratory standard operating procedures (SOPs)			1	1	T	—			
		Are laboratory SOPs current and on file for each meth	•	X	<u> </u>	<u> </u>	<u> </u>				
shou 2. O 3. N	ld be r = orga A = No R = No	etained and made available upon request for the appro anic analyses; I = inorganic analyses (and general chem t applicable; t reviewed;			identifie	ea by th	e letter	5″			

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

PROJECT: SRS 2006-142 SDG: L1536193

Laboratory Name: Pace Analytical National	LRC Date: 09/26/2022 10:15					
Project Name: Lovington Gathering WTI	Laboratory Job Number: L1536193-01					
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1929691					
ER # ¹ Description						

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

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

NA = Not applicable;
 NR = Not reviewed;

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

SDG: L1536193

SAMPLE RESULTS - 01

Volatile Organic Compounds (GC) by Method 8021B

	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	0.137		0.000190	0.000500	0.000500	1	09/22/2022 09:07	WG1929691	Ťτ
Toluene	U		0.000412	0.00100	0.00100	1	09/22/2022 09:07	WG1929691	
Ethylbenzene	U		0.000160	0.000500	0.000500	1	09/22/2022 09:07	WG1929691	³ C
Total Xylene	U		0.000510	0.00150	0.00150	1	09/22/2022 09:07	WG1929691	55
(S) a,a,a-Trifluorotoluene(PID)	96.5				79.0-125		09/22/2022 09:07	WG1929691	4

ဳSs
⁴ Cn
⁵Tr
⁶ Sr
⁷ Qc
⁸ Gl
⁹ Al
¹⁰ Sc

Volatile Organic Compounds (GC) by Method 8021B

QUALITY CONTROL SUMMARY

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Method Blank (MB)

(MB) R3840807-3 09/22	2/22 08:24			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Benzene	U		0.000190	0.000500
Toluene	U		0.000412	0.00100
Ethylbenzene	U		0.000160	0.000500
Total Xylene	U		0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	97.9			79.0-125

Laboratory Control Sample (LCS)

(LCS) R3840807-1 09/22/22 07:16

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Benzene	0.0500	0.0448	89.6	77.0-122	
Toluene	0.0500	0.0443	88.6	80.0-121	
Ethylbenzene	0.0500	0.0477	95.4	80.0-123	
Total Xylene	0.150	0.142	94.7	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			97.4	79.0-125	

SDG: L1536193 DATE/TIME: 09/26/22 10:15

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Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

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

SDG: L1536193 DATE/TIME: 09/26/22 10:15

Received by OCD: 3/23/2023 2:43:14 PM CCREDITATIONS & LOCATIONS

	Page	<i>160</i>	of	<i>190</i>
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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
lorida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
daho	TN00003	Ohio-VAP	CL0069
linois	200008	Oklahoma	9915
ndiana	C-TN-01	Oregon	TN200002
owa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
entucky ¹⁶	KY90010	South Carolina	84004002
Centucky ²	16	South Dakota	n/a
ouisiana	AI30792	Tennessee ¹⁴	2006
ouisiana	LA018	Texas	T104704245-20-18
laine	TN00003	Texas ⁵	LAB0152
laryland	324	Utah	TN000032021-11
lassachusetts	M-TN003	Vermont	VT2006
lichigan	9958	Virginia	110033
linnesota	047-999-395	Washington	C847
lississippi	TN00003	West Virginia	233
lissouri	340	Wisconsin	998093910
Iontana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
PA-Crypto	TN00003		

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

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

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

SDG: L1536193 DATE/TIME: 09/26/22 10:15

Received by OCD: 3/23/2023 Plains All American, LP		И	Billing Info	ormation:					, ,	Analysis /	Containe	r / Preser	vative			Chain of Custod	age 161 of 190
2135 S Loop 250 W Midland, TX 79703	GILD		10 Dest Midland	a Dr., Ste. 5 d, TX 79705	550E 5	Pres Chk		(Int)								- Pace A National Car	Analytical * Iter for Testing & Innovation
Report to: Becky Haskell Math	alui lan	able	Email To: becky.haskell@ghd.com					I.I								12065 Lebanon Rd Mount Juliet, TN 371	
Project Description: Lovington Gatherin		gruin		City/State	ovington, NM		Con	Te	0210							Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859	
Phone: 432-250-7917 must Fax: 432-640-9715	Client Project		1	Lab Project I			ID-HCI	Poly-di	8.			H. a.				L# L15	36193
Collected by (print): Matthew Laugh!	Site/Facility ID SRS 2006-7		6	P.O. #			mtAn	nLAm	0							Table # Acctnum:	
Collected by (signature):	Same Da	y 5 Day 10 Da			Results Needed	No.	190218 40mLAmb-HGL	PAHSIMEVI-40mLAmb-NoPres-ML	1200			iustra Martin			4	Template: Prelogin: TSR:	
Packed on Ice N Y Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	of Cntrs	- AND	AHSH	200							PB: Shipped Via: Remarks	Sample # (lab only)
MW-12-091322	6	W	-	09/13/	22 1450	3	A		X	,							-01
															-10	072	
															and a second		
	Remarks: 1. Report to 3. Lab Proj				centrations;	Do	Na Pl	DT	21	pH _		Temp	<u> </u>	COC S Bottl	Seal Pr Signed, Les arr	Dle Receipt Che resent/Intact: /Accurate: rive intact:	
DW - Drinking Water OT - Other	Samples return UPSFee	ned via: dExCour				329	(069	5 '	9112		other		Suffi	lcient	ttles used: volume sent: <u>If Applicabl</u> adspace:	
Relinguished by : (Signature)		Date: 9/14/2	2 E	ime: 1018 9918 JF	Received by: (Signat	r				Trip Blank		1	No) /MeoH			on Correct/Che	
Relinquished by (Signature)		Date: 9/14/	Ti	ime: Mad	Received by: (Signat	ture)				Temp:	°C	Bottles R	eceived:	If pres	ervation	n required by Logi	n: Date/Time
Relinquished by : (Signature) Released to Imaging: 7/26/2	023 11:11:2	Date: 0 AM	Ti	ime:	Received for lab by:	(Signat	ure)	2		Date:		Time:	υ	Hold:			Condition: NCF OK

Received by OCD: 3/23/2023 2:43:14 PM

December 06, 2022

Plains All American, LP - GHD

Sample Delivery Group:	L1561283
Samples Received:	11/23/2022
Project Number:	SRS2006-142
Description:	Lovington Gathering WTI
Site:	SRS 2006-142
Report To:	Matthew Laughlin
	2135 S Loop 250 W
	Midland, TX 79703

ntire	Report	Reviewed	By:	

Е

Drittine Boyd

Brittnie L Boyd Project Manager

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

Pace Analytical National

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

Released to Imaging: 7/26/2023 11:11:20 AM Plains All American, LP - GHD

PROJECT: SRS2006-142

SDG: L1561283

DATE/TIME: 12/06/22 09:33

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LG-MW-2R-112122 L1561283-06	15	
LG-MW-4R-112122 L1561283-07	16	
LG-MW-5R-112122 L1561283-08	17	
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Ср Ss Cn Tr Sr Qc GI ΆI Sc

Released to Imaging: 7/26/2023 11:11:20 AM Plains All American, LP - GHD

PROJECT: SRS2006-142

SDG: L1561283

DATE/TIME: 12/06/22 09:33

PAGE: 2 of 27 Received by OCD: 3/23/2023 2:43:14 PM

SAMPLE SUMMARY

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Ср

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¹⁰Sc

LG-MW-9-112122 L1561283-01 GW			Collected by Ryan Livingston	Collected date/time 11/21/22 12:35	Received da 11/23/22 09:	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1965400	1	11/27/22 15:03	11/27/22 15:03	BAM	Mt. Juliet, TN
LG-MW-7-112122 L1561283-02 GW			Collected by Ryan Livingston	Collected date/time 11/21/22 13:05	Received da 11/23/22 09:	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1965400	1	11/27/22 15:26	11/27/22 15:26	BAM	Mt. Juliet, TN
LG-MW-3R-112122 L1561283-03 GW			Collected by Ryan Livingston	Collected date/time 11/21/22 13:30	Received da 11/23/22 09:	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1965400	1	11/27/22 15:47	11/27/22 15:47	BAM	Mt. Juliet, TN
LG-MW-11-112122 L1561283-04 GW			Collected by Ryan Livingston	Collected date/time 11/21/22 13:35	Received da 11/23/22 09:	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1965400	1	11/27/22 16:09	11/27/22 16:09	BAM	Mt. Juliet, TN
LG-MW-1R-112122 L1561283-05 GW			Collected by Ryan Livingston	Collected date/time 11/21/22 14:15	Received da 11/23/22 09:	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1965400	1	11/27/22 16:32	11/27/22 16:32	BAM	Mt. Juliet, TN
LG-MW-2R-112122 L1561283-06 GW			Collected by Ryan Livingston	Collected date/time 11/21/22 14:20	Received da 11/23/22 09:	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1965400	1	11/27/22 16:54	11/27/22 16:54	BAM	Mt. Juliet, TN
LG-MW-4R-112122 L1561283-07 GW			Collected by Ryan Livingston	Collected date/time 11/21/22 14:45	Received da 11/23/22 09:	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1965400	20	11/27/22 18:22	11/27/22 18:22	BAM	Mt. Juliet, TN
LG-MW-5R-112122 L1561283-08 GW			Collected by Ryan Livingston	Collected date/time 11/21/22 14:50	Received da 11/23/22 09:	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B Volatile Organic Compounds (GC) by Method 8021B	WG1965400 WG1968833	1 10	11/27/22 17:16 12/05/22 00:04	11/27/22 17:16 12/05/22 00:04	BAM ADM	Mt. Juliet, TN Mt. Juliet, TN

PROJECT: SRS2006-142 SDG: L1561283 DATE/TIME: 12/06/22 09:33

PAGE: 3 of 27 Received by OCD: 3/23/2023 2:43:14 PM

SAMPLE SUMMARY

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			Collected by	Collected date/time	Received da	te/time
LG-MW-12-112122 L1561283-09 GW			Ryan Livingston	11/21/22 15:30	11/23/22 09:	00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1965400	10	11/27/22 18:44	11/27/22 18:44	BAM	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	te/time
LG-HOUSE WELL-112122 L1561283-10 GW			Ryan Livingston	11/21/22 16:00	11/23/22 09:	00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1965400	1	11/27/22 17:38	11/27/22 17:38	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG1968833	1	12/04/22 22:14	12/04/22 22:14	ADM	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	te/time
LG-DUP-1-112122 L1561283-11 GW			Ryan Livingston	11/21/22 00:00	11/23/22 09:	00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1965400	1	11/27/22 18:00	11/27/22 18:00	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG1968833	20	12/05/22 00:26	12/05/22 00:26	ADM	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	te/time
LG-TB-112122 L1561283-12 GW			Ryan Livingston	11/21/22 00:00	11/23/22 09:	00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
			dute/time	date, time		

SDG: L1561283 DATE/TIME: 12/06/22 09:33

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CASE NARRATIVE

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

Drittine Boyd

Brittnie L Boyd Project Manager

SDG: L1561283

DATE/TIME: 12/06/22 09:33 PAGE: 5 of 27

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

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

for each method and matrix.

R10 - Other problems or anomalies.

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

Drittie Boyd

Brittnie L Boyd Project Manager

SDG: L1561283

Revised May 2010 Laboratory Review Checklist: Reportable Data

Lab	orato	ry Name: Pace Analytical National	LRC Date: 12/06/2022 09:33									
Proj	ect N	lame: Lovington Gathering WTI	Laboratory Job Number: L1561283-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11 and 12									
Rev	iewe	r Name: Brittnie L Boyd	Prep Batch Number(s): WG1965400 and WG1968833	Batch Number(s): WG1965400 and WG1968833								
#1	A ²	Description	Yes	No	NA ³	NR ⁴	ER# ⁵					
R1	OI	Chain-of-custody (C-O-C)	_	-	_	_	-					
		Did samples meet the laboratory's standard conditions	Х									
		Were all departures from standard conditions describe	d in an exception report?			Х						
R2	OI	Sample and quality control (QC) identification										
		Are all field sample ID numbers cross-referenced to the	e laboratory ID numbers?	Х								
		Are all laboratory ID numbers cross-referenced to the o	corresponding QC data?	Х								
R3	OI	Test reports										
		Were all samples prepared and analyzed within holding		Х								
		Other than those results < MQL, were all other raw values	es bracketed by calibration standards?	X								
		Were calculations checked by a peer or supervisor?		X								
		Were all analyte identifications checked by a peer or su	upervisor?	X								
		Were sample detection limits reported for all analytes r	not detected?	X								
		Were all results for soil and sediment samples reported	d on a dry weight basis?	X								
		Were % moisture (or solids) reported for all soil and sec	liment samples?			Х						
		Were bulk soils/solids samples for volatile analysis extr	acted with methanol per SW846 Method 5035?			Х						
		If required for the project, are TICs reported?				Х						
R4	0	Surrogate recovery data										
		Were surrogates added prior to extraction?		X								
		Were surrogate percent recoveries in all samples within	n the laboratory QC limits?	X								
R5	OI	Test reports/summary forms for blank samples					•	•				
		Were appropriate type(s) of blanks analyzed?		X								
		Were blanks analyzed at the appropriate frequency?		X								
		Were method blanks taken through the entire analytica	al process, including preparation and, if applicable,	x								
		cleanup procedures?		^								
		Were blank concentrations < MQL?		Х								
R6	OI	Laboratory control samples (LCS):				-						
		Were all COCs included in the LCS?		X								
		Was each LCS taken through the entire analytical proce	edure, including prep and cleanup steps?	X								
		Were LCSs analyzed at the required frequency?		X								
		Were LCS (and LCSD, if applicable) %Rs within the labo	ratory QC limits?	Х								
			e laboratory's capability to detect the COCs at the MDL	X								
		used to calculate the SDLs?				-						
D7		Was the LCSD RPD within QC limits?	-	X			I					
R7	OI	Matrix spike (MS) and matrix spike duplicate (MSD) data		r –	1		T	1				
		Were the project/method specified analytes included in				X						
		Were MS/MSD analyzed at the appropriate frequency?		 		X						
		Were MS (and MSD, if applicable) %Rs within the labora	atory QC limits?			X						
50		Were MS/MSD RPDs within laboratory QC limits?				Х	1					
R8	OI	Analytical duplicate data	ah matrix 2	1	1		1	1				
		Were appropriate analytical duplicates analyzed for ea				X						
		Were analytical duplicates analyzed at the appropriate				X						
50		Were RPDs or relative standard deviations within the la	iboratory QC limits?			Х	I					
R9	OI	Method quantitation limits (MQLs):			1	T	r –					
		Are the MQLs for each method analyte included in the		X		-						
		Do the MQLs correspond to the concentration of the lo		X								
D40		Are unadjusted MQLs and DCSs included in the labora	тогу аата раскаде?	X	L	1						
R10	OI	Other problems/anomalies			-	-	1					
		Are all known problems/anomalies/special conditions r		X	<u> </u>			┢───┤				
		Was applicable and available technology used to lower the sample results?	r the SDL to minimize the matrix interference effects on	X								
			boratory Accreditation Program for the analytes, matrices			+	+					
		and methods associated with this laboratory data pack		X			1					
1. Iter	ns ide	ntified by the letter "R" must be included in the laborato	ry data package submitted in the TRRP-required report(s).	Items i	dentifie	ed by th	e letter	"S"				
		etained and made available upon request for the approp				-						
		nic analyses; I = inorganic analyses (and general chemis t applicable;										
		reviewed;										

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

PROJECT: SRS2006-142 SDG: L1561283 **PAGE**: 7 of 27

Revised May 2010 Laboratory Review Checklist: Supporting Data

Lab	orato	ry Name: Pace Analytical National	LRC Date: 12/06/2022 09:33					
Proj	ect N	lame: Lovington Gathering WTI	Laboratory Job Number: L1561283-01, 02, 03, 04, 05	5, 06, 0	7, 08, 0)9, 10, ⁻	11 and 1	12
Rev	iewe	r Name: Brittnie L Boyd	Prep Batch Number(s): WG1965400 and WG1968833					
# ¹	A ²	Description	•	Yes	No	NA ³	NR ⁴	ER# ⁵
S1	OI	Initial calibration (ICAL)						
		Were response factors and/or relative response factor			Х			
		Were percent RSDs or correlation coefficient criteria m		X				
		Was the number of standards recommended in the me	ethod used for all analytes?	X				
		Were all points generated between the lowest and hig	hest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?		X				
		Has the initial calibration curve been verified using an	appropriate second source standard?	X				
52	OI	Initial and continuing calibration verification (ICCV and	CCV) and continuing calibration blank (CCB):					
		Was the CCV analyzed at the method-required freque		X			1	
		Were percent differences for each analyte within the n	•	X				
		Was the ICAL curve verified for each analyte?		X				
		Was the absolute value of the analyte concentration in	the inorganic CCB \leq MDI ?			Х		
53	0	Mass spectral tuning			1		1	
	Ŭ	Was the appropriate compound for the method used f	or tuning?	1	1	X	T	
		Were ion abundance data within the method-required	-			X		
64	0	Internal standards (IS)		1	1		1	· · · ·
7		Were IS area counts and retention times within the me	thed required OC limits?	X	1	1	1	1
5	OI	Raw data (NELAC Section 5.5.10)		<u> </u>	1		I	I
5		Were the raw data (for example, chromatograms, spec	tral data) reviewed by an analyst?	X	1	T T	1	1
		Were data associated with manual integrations flagged		$\frac{1}{x}$				
6	0			<u> </u>	I		I	I
0	0	Dual column confirmation	l required QC2	1	1		1	1
-7		Did dual column confirmation results meet the method	-required QC:		I	Х	<u> </u>	I
57	0	Tentatively identified compounds (TICs)		1	1		1	r –
	1.	If TICs were requested, were the mass spectra and TIC	data subject to appropriate checks?			Х		
8		Interference Check Sample (ICS) results		-	1	1.14	1	-
	τ.	Were percent recoveries within method QC limits?				Х	I	
59		Serial dilutions, post digestion spikes, and method of s		-	1		1	1
		Were percent differences, recoveries, and the linearity	within the QC limits specified in the method?			Х		
510	OI	Method detection limit (MDL) studies	-	1	-	1	1	1
		Was a MDL study performed for each reported analyte		X				
		Is the MDL either adjusted or supported by the analysi	s of DCSs?	X				
511	OI	Proficiency test reports			-	1	-	
	-	Was the laboratory's performance acceptable on the a	pplicable proficiency tests or evaluation studies?	X				
512	OI	Standards documentation			-			
		Are all standards used in the analyses NIST-traceable	or obtained from other appropriate sources?	X				
513	OI	Compound/analyte identification procedures						
		Are the procedures for compound/analyte identificatio	n documented?	X				
514	OI	Demonstration of analyst competency (DOC)			_	•	-	
		Was DOC conducted consistent with NELAC Chapter !	5?	Х				
		Is documentation of the analyst's competency up-to-da	ate and on file?	X				
515	OI	Verification/validation documentation for methods (NE	LAC Chapter 5)					
		Are all the methods used to generate the data docume	ented, verified, and validated, where applicable?	Х				
616	OI	Laboratory standard operating procedures (SOPs)						
		Are laboratory SOPs current and on file for each method	od performed	X				
shoul 2. O 3. NA	d be r = orga A = No	ntified by the letter "R" must be included in the laborato etained and made available upon request for the appro- nic analyses; I = inorganic analyses (and general chemi t applicable; t reviewed;		ltems i	identifie	ed by th	e letter	"S"

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

PROJECT: SRS2006-142 SDG: L1561283

Received by 3OCD: 3/23/2023 2:43:14 PM Laboratory Review Checklist: Exception Reports Revised May 2010

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ER # ¹	Description							
Reviewer Name: Brittnie L Boyd		Prep Batch Number(s): WG1965400 and WG1968833						
Project N	ame: Lovington Gathering WTI	Laboratory Job Number: L1561283-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11 and 12						
Laborato	ry Name: Pace Analytical National	LRC Date: 12/06/2022 09:33						

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

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

NA = Not applicable;
 NR = Not reviewed;

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

SAMPLE RESULTS - 01

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Volatile Organic Compounds (GC) by Method 8021B

	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	U		0.000190	0.000500	0.000500	1	11/27/2022 15:03	WG1965400	Tc
Toluene	U		0.000412	0.00100	0.00100	1	11/27/2022 15:03	WG1965400	
Ethylbenzene	U		0.000160	0.000500	0.000500	1	11/27/2022 15:03	WG1965400	³ S c
Total Xylene	U		0.000510	0.00150	0.00150	1	11/27/2022 15:03	WG1965400	55
(S) a,a,a-Trifluorotoluene(PID)	101				79.0-125		11/27/2022 15:03	WG1965400	4

SDG: L1561283

SAMPLE RESULTS - 02 L1561283

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Volatile Organic Compounds (GC) by Method 8021B

Volatile Organic Comp	bounds (GC	C) by Meth	od 8021B						1
	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	— Cp
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	U		0.000190	0.000500	0.000500	1	11/27/2022 15:26	WG1965400	Tc
Toluene	U		0.000412	0.00100	0.00100	1	11/27/2022 15:26	WG1965400	
Ethylbenzene	U		0.000160	0.000500	0.000500	1	11/27/2022 15:26	WG1965400	³ S c
Total Xylene	U		0.000510	0.00150	0.00150	1	11/27/2022 15:26	WG1965400	53
(S) a,a,a-Trifluorotoluene(PID)	101				79.0-125		11/27/2022 15:26	WG1965400	4

ັSs
⁴ Cn
⁵Tr
⁶ Sr
⁷ Qc
[°] Gl
⁹ Al
¹⁰ Sc

SDG: L1561283

SAMPLE RESULTS - 03 L1561283

Volatile Organic Compounds (GC) by Method 8021B

Volatile Organic Comp	bounds (GC	C) by Meth	od 8021B						1
	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	— Cp
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	0.0642		0.000190	0.000500	0.000500	1	11/27/2022 15:47	WG1965400	Tc
Toluene	U		0.000412	0.00100	0.00100	1	11/27/2022 15:47	WG1965400	
Ethylbenzene	U		0.000160	0.000500	0.000500	1	11/27/2022 15:47	WG1965400	³ S c
Total Xylene	U		0.000510	0.00150	0.00150	1	11/27/2022 15:47	WG1965400	53
(S) a,a,a-Trifluorotoluene(PID)	102				79.0-125		11/27/2022 15:47	WG1965400	4

³ Ss
⁴ Cn
⁵Tr
⁶ Sr
⁷ Qc
[°] Gl
PAI
¹⁰ Sc

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SAMPLE RESULTS - 04

Volatile Organic Compounds (GC) by Method 8021B

	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	0.000212	J	0.000190	0.000500	0.000500	1	11/27/2022 16:09	WG1965400	Tc
Toluene	U		0.000412	0.00100	0.00100	1	11/27/2022 16:09	WG1965400	
Ethylbenzene	U		0.000160	0.000500	0.000500	1	11/27/2022 16:09	WG1965400	³ C c
Total Xylene	U		0.000510	0.00150	0.00150	1	11/27/2022 16:09	WG1965400	55
(S) a,a,a-Trifluorotoluene(PID)	101				79.0-125		11/27/2022 16:09	WG1965400	4

³ Ss
⁴ Cn
⁵Tr
⁶ Sr
⁷ Qc
[°] GI
⁹ Al
¹⁰ Sc

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Volatile Organic Compounds (GC) by Method 8021B

Volatile Organic Comp	bounds (GC) by Meth	od 8021B						1
	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	0.00460		0.000190	0.000500	0.000500	1	11/27/2022 16:32	WG1965400	Tc
Toluene	U		0.000412	0.00100	0.00100	1	11/27/2022 16:32	WG1965400	
Ethylbenzene	U		0.000160	0.000500	0.000500	1	11/27/2022 16:32	WG1965400	³ S c
Total Xylene	U		0.000510	0.00150	0.00150	1	11/27/2022 16:32	WG1965400	53
(S) a,a,a-Trifluorotoluene(PID)	101				79.0-125		11/27/2022 16:32	WG1965400	4

³ Ss
⁴ Cn
⁵ Tr
⁶ Sr
⁷ Qc
[°] Gl
⁹ AI
¹⁰ Sc

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SAMPLE RESULTS - 06 L1561283

Volatile Organic Compounds (GC) by Method 8021B

Volatile Organic Comp	bounds (GC	c) by Meth	od 8021B						1
	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	0.0280		0.000190	0.000500	0.000500	1	11/27/2022 16:54	WG1965400	ŤC
Toluene	U		0.000412	0.00100	0.00100	1	11/27/2022 16:54	WG1965400	
Ethylbenzene	U		0.000160	0.000500	0.000500	1	11/27/2022 16:54	WG1965400	³ C c
Total Xylene	U		0.000510	0.00150	0.00150	1	11/27/2022 16:54	WG1965400	55
(S) a,a,a-Trifluorotoluene(PID)	101				79.0-125		11/27/2022 16:54	WG1965400	4

Ss
⁴ Cn
⁵Tr
⁶ Sr
⁷ Qc
[°] Gl
⁹ Al
¹⁰ Sc

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SAMPLE RESULTS - 07 L1561283

Volatile Organic Compounds (GC) by Method 8021B

Volatile Organic Comp	ounds (G	C) by Meth	od 8021B						1
	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	0.276		0.00380	0.000500	0.0100	20	11/27/2022 18:22	WG1965400	2
Toluene	U		0.00824	0.00100	0.0200	20	11/27/2022 18:22	WG1965400	
Ethylbenzene	U		0.00320	0.000500	0.0100	20	11/27/2022 18:22	WG1965400	3
Total Xylene	U		0.0102	0.00150	0.0300	20	11/27/2022 18:22	WG1965400	
(S) a,a,a-Trifluorotoluene(PID)	101				79.0-125		11/27/2022 18:22	WG1965400	4

Ss
⁴ Cn
СП
⁵Tr
⁶ Sr
⁷ Qc
[°] GI
⁹ AI
¹⁰ Sc

SAMPLE RESULTS - 08 L1561283

Volatile Organic Compounds (GC) by Method 8021B

Volatile Organic Comp	ounds (GC)) by Meth	od 8021B						ſ
	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		I
Benzene	0.387		0.00190	0.000500	0.00500	10	12/05/2022 00:04	WG1968833	
Toluene	0.00217		0.000412	0.00100	0.00100	1	11/27/2022 17:16	WG1965400	
Ethylbenzene	0.00212		0.000160	0.000500	0.000500	1	11/27/2022 17:16	WG1965400	
Total Xylene	0.000874	J	0.000510	0.00150	0.00150	1	11/27/2022 17:16	WG1965400	
(S) a,a,a-Trifluorotoluene(PID)	105				79.0-125		11/27/2022 17:16	WG1965400	
(S) a,a,a-Trifluorotoluene(PID)	104				79.0-125		12/05/2022 00:04	WG1968833	

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SAMPLE RESULTS - 09 L1561283

Volatile Organic Compounds (GC) by Method 8021B

Volatile Organic Comp	pounds (G	C) by Meth	od 8021B						1
	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	— Cp
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	0.632		0.00190	0.000500	0.00500	10	11/27/2022 18:44	WG1965400	Tc
Toluene	U		0.00412	0.00100	0.0100	10	11/27/2022 18:44	WG1965400	
Ethylbenzene	U		0.00160	0.000500	0.00500	10	11/27/2022 18:44	WG1965400	³ Ss
Total Xylene	U		0.00510	0.00150	0.0150	10	11/27/2022 18:44	WG1965400	55
(S) a,a,a-Trifluorotoluene(PID)	102				79.0-125		11/27/2022 18:44	WG1965400	4

⁴Cn
⁵Tr
⁶ Sr
⁷ Qc
[°] Gl
⁹ Al
¹⁰ Sc

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Volatile Organic Compounds (GC) by Method 8021B

Volatile Organic Comp	ounds (G	C) by Meth	od 8021B					
	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	0.000500	1	12/04/2022 22:14	WG1968833
Toluene	U		0.000412	0.00100	0.00100	1	11/27/2022 17:38	WG1965400
Ethylbenzene	U		0.000160	0.000500	0.000500	1	11/27/2022 17:38	WG1965400
Total Xylene	U		0.000510	0.00150	0.00150	1	11/27/2022 17:38	WG1965400
(S) a,a,a-Trifluorotoluene(PID)	100				79.0-125		11/27/2022 17:38	WG1965400
(S) a,a,a-Trifluorotoluene(PID)	103				79.0-125		12/04/2022 22:14	WG1968833

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Volatile Organic Compounds (GC) by Method 8021B

ounds (GC	C) by Meth	od 8021B						1
Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	
mg/l		mg/l	mg/l	mg/l		date / time		2
0.475		0.00380	0.000500	0.0100	20	12/05/2022 00:26	WG1968833	T
U		0.000412	0.00100	0.00100	1	11/27/2022 18:00	WG1965400	
U		0.000160	0.000500	0.000500	1	11/27/2022 18:00	WG1965400	³ C
U		0.000510	0.00150	0.00150	1	11/27/2022 18:00	WG1965400	
107				79.0-125		11/27/2022 18:00	WG1965400	4
104				79.0-125		12/05/2022 00:26	WG1968833	Ċ
	Result mg/l 0.475 U U U U U 107	Result Qualifier mg/l 0.475 U 1000000000000000000000000000000000000	Result Qualifier SDL mg/l mg/l mg/l 0.475 0.00380 0 U 0.000412 0.000160 U 0.000510 0.000510 107	Result Qualifier SDL Unadj. MQL mg/l mg/l mg/l mg/l 0.475 0.00380 0.000500 U 0.000412 0.00100 U 0.000160 0.000500 U 0.000510 0.00150 U 0.000510 0.00150	Result Qualifier SDL Unadj. MQL MQL mg/l mg/l mg/l mg/l mg/l 0.475 0.00380 0.000500 0.0100 U 0.000412 0.00100 0.00100 U 0.000160 0.000500 0.00150 U 0.000510 0.00150 0.00150 U 0.000510 0.00150 79.0-125	Result Qualifier SDL Unadj. MQL MQL Dilution mg/l mg/l mg/l mg/l mg/l mg/l 1000000000000000000000000000000000000	Result Qualifier SDL Unadj. MQL MQL Dilution Analysis mg/l mg/l mg/l mg/l mg/l date / time 0.475 0.00380 0.000500 0.0100 20 12/05/2022 00:26 U 0.000412 0.00100 0.00100 1 11/27/2022 18:00 U 0.000160 0.000500 0.000500 1 11/27/2022 18:00 U 0.000510 0.00150 0.00150 1 11/27/2022 18:00 107 79.0-125 11/27/2022 18:00	mg/l mg/l mg/l mg/l date / time 0.475 0.00380 0.000500 0.0100 20 12/05/2022 00:26 WG1968833 U 0.000412 0.00100 1 11/27/2022 18:00 WG1965400 U 0.000160 0.000500 0.001500 1 11/27/2022 18:00 WG1965400 U 0.000510 0.00150 0.00150 1 11/27/2022 18:00 WG1965400 107 79.0-125 11/27/2022 18:00 WG1965400

⁴ Cn
⁵Tr
⁶ Sr
⁷ Qc
[°] GI
⁹ Al
¹⁰ Sc

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SAMPLE RESULTS - 12 L1561283

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Volatile Organic Compounds (GC) by Method 8021B

Volatile Organic Comp	pounds (GC)) by Meth	od 8021B						1
	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l	mg/l	mg/l		date / time		2
Benzene	0.000196	J	0.000190	0.000500	0.000500	1	11/27/2022 12:07	WG1965400	Tc
Toluene	U		0.000412	0.00100	0.00100	1	11/27/2022 12:07	WG1965400	
Ethylbenzene	U		0.000160	0.000500	0.000500	1	11/27/2022 12:07	WG1965400	³ S c
Total Xylene	U		0.000510	0.00150	0.00150	1	11/27/2022 12:07	WG1965400	55
(S) a,a,a-Trifluorotoluene(PID)	101				79.0-125		11/27/2022 12:07	WG1965400	4

⁴ Cn
⁵Tr
⁶ Sr
⁷ Qc
[°] Gl
PAI
¹⁰ Sc

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Reg cive obs BQD 8/23/2023 2:43:14 PM

Volatile Organic Compounds (GC) by Method 8021B

QUALITY CONTROL SUMMARY L1561283-01,02,03,04,05,06,07,08,09,10,11,12

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Method Blank (MB)

(MB) R3867808-3 11/27/2	(MB) R3867808-3 11/27/22 11:21						
	MB Result	MB Qualifier	MB MDL	MB RDL			
Analyte	mg/l		mg/l	mg/l			
Benzene	U		0.000190	0.000500			
Toluene	U		0.000412	0.00100			
Ethylbenzene	U		0.000160	0.000500			
Total Xylene	U		0.000510	0.00150			
(S) a,a,a-Trifluorotoluene(PID)	101			79.0-125			

Laboratory Control Sample (LCS)

(LCS) R3867808-2 11/27/22 10:28

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Benzene	0.0500	0.0454	90.8	77.0-122	
Toluene	0.0500	0.0489	97.8	80.0-121	
Ethylbenzene	0.0500	0.0498	99.6	80.0-123	
Total Xylene	0.150	0.144	96.0	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			102	79.0-125	

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Reg cive obs 8603 3/23/2023 2:43:14 PM

Volatile Organic Compounds (GC) by Method 8021B

QUALITY CONTROL SUMMARY

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⁺Cn

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Qc

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Method Blank (MB)

(MB) R3868402-3 12/04/	/22 19:06				Cp		
	MB Result	MB Qualifier	MB MDL	MB RDL	2		
Analyte	mg/l		mg/l	mg/l	⁻Tc		
Benzene	U		0.000190	0.000500			
(S) a,a,a-Trifluorotoluene(PID)	104			79.0-125	³ Ss		

Laboratory Control Sample (LCS)

(LCS) R3868402-1 12/04/	S) R3868402-1 12/04/22 15:28								
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier				
Analyte	mg/l	mg/l	%	%					
Benzene	0.0500	0.0458	91.6	77.0-122					
(S) a.a.a-Trifluorotoluene(PID)			105	79.0-125					

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Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

MDL	Method Detection Limit.
MQL	Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
SDL	Sample Detection Limit.
(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.
Unadj. MQL	Unadjusted Method Quantitation 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

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

SDG: L1561283

Received by OCD: 3/23/2023 2:43:14 PM CCREDITATIONS & LOCATIONS

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Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
alifornia	2932	New Mexico ¹	TN00003
colorado	TN00003	New York	11742
onnecticut	PH-0197	North Carolina	Env375
lorida	E87487	North Carolina ¹	DW21704
eorgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
daho	TN00003	Ohio-VAP	CL0069
linois	200008	Oklahoma	9915
ndiana	C-TN-01	Oregon	TN200002
owa	364	Pennsylvania	68-02979
lansas	E-10277	Rhode Island	LAO00356
entucky ¹⁶	KY90010	South Carolina	84004002
entucky ²	16	South Dakota	n/a
ouisiana	AI30792	Tennessee ¹⁴	2006
ouisiana	LA018	Texas	T104704245-20-18
laine	TN00003	Texas ⁵	LAB0152
laryland	324	Utah	TN000032021-11
lassachusetts	M-TN003	Vermont	VT2006
lichigan	9958	Virginia	110033
linnesota	047-999-395	Washington	C847
lississippi	TN00003	West Virginia	233
lissouri	340	Wisconsin	998093910
fontana	CERT0086	Wyoming	A2LA
2LA – 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
PA–Crypto	TN00003		

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

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

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

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Plains All American, LP - 2135 S Loop 250 W Midland, TX 79703	Attr 110	Attn: Karolanne Hudgens 1106 Griffith Drive Midland, TX 79705									P	ADVANCING SCIENCE		
Report to: John Fergerson	1. Alexandre de la companya de	and the second state of th		ergerson@gh				5				Phone: 615-758-5858		
Project Description: Lovington Gathering WTI		City/Sta Collecte	KHudgens@paalp.com					res-l				constitutes acknowle	dgment and acceptance d Conditions found at:	
Phone: 432-894-7848	Client Project #	006-142		Project # AINSGHD-1	PT MT CT ET		40mLAmb-HCL	40mLAmb-NoPres-WT				SDG # 15	6123	
Collected by (print): Kyz Living for	Site/Facility ID #	006-142	P.O.	#			ILAm	nLAn				Acctnum: PL		
Collected by (signature): Rush? (Lab MUST Same DayF Next Day5			Be Notified) Quote # ve Day Day (Rad Only) Date Results Needed				8021	AHSIMLVI 40				Template: 72 Prelogin: 99 PM: Brittnie PB:		
Sample ID	Comp/Gra	b Matrix*	Depth	Date	Time	Cntrs	втех	PAH				Shipped Via:	Sample # (lab on	
LG-MU-9-112122	Grab	GW		11-21-22	12:35	3	×						-2	
-G-mw-7-112122	Grab	GW			13:05.								-07	
-G- mO-3R- 112122	Grab	GW	281		13:30							-	-03	
-G- mw-11- 112122	Grab	GW	and the second		13:35							a mail and	-04	
-G- mw. 12. 112122	Grab	GW	2. Z		14:15								-03	
-G- mw. 2R- 112122	Grab	GW			14:20			1994 B					-06	
LG-WW-4R-11212	2 Grab	GW	Same of		14.45							16 35	-07	
LG. m. U. J. R. 11212	CZ Grab	GW		-	1450							-14	- 02	
LG:mw-12.11212	C Z Grab	GW			15:30							5-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	-79	
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and a second s	Samples returned			Tracki	ing# 770	25	62:	56 45	Flow	Other		volume sent: If Applicabl		
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elinquished by : (Signature)	Da	te:	Time:	Receiv	ved by: (Signal	ure)			Temp:DRF	BR Bottles Received: S. 6 33	If preservation	required by Log	in: Date/Time	
elinquished by : (Signature)	Da	te:	Time:	Receiv	red for tab by	Signatu	ure)	/	Date: 1/23/*	Time:	Hold:		Condition: NCF / OK	

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Company Name/Address: Plains All American, LP - GHD 2135 S Loop 250 W Midland, TX 79703			ng Informati tn: Karol 06 Griffit	Pres Chk			Analysis / (Container / Presen	vative		Chain of Custo	^{dy Page} 2			
			dland, TX								PEOP	LE ADVANCING SCIEN			
Report to: John Fergerson	Ema	II To: john.f	fergerson@gh gens@paalp.c	d.com			5						Mount Juliet, TN 371 8 Ali: 800-767-5859 Ie via this chain of cust		
Project Description: Lovington Gathering WTI	City/St Collect	City/State Collected: NM Please C PT MT C					res-V					constitutes acknow	ledgment and accepta- ind Conditions found		
Phone: 432-894-7848	lient Project #	06-142	Lab Project #					doN-dr					SDG #	56128	
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Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	of Cntrs	BTEX	PAHS					Shipped Via:		
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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 200299

CONDITIONS Operator: OGRID: PLAINS MARKETING L.P. 34053 333 Clay Street Suite 1900 Action Number: Houston, TX 77002 200299 Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 2022 Annual Groundwater Report: Content Satisfactory 1. Continue groundwater monitoring on a quarterly basis for all site monitoring wells. 2. Continue off-site monitoring for Goff Dairy and JW House locations. 3. Inspect and replace ORC filter socks as necessary in MW-3R, MW-1R, MW-2R, MW-4R, MW-12. 4. Install an ORC sock in MW-5R. 5. Submit the 2023 Annual Groundwater Report by April 1, 2024.	7/26/2023