REVIEWED
By Mike Buchanan at 9:40 am, Jul 26, 2023

2022 ANNUAL GROUNDWATER MONITORING REPORT

Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
UL-A, Section 2, T22S, R37E
NMOCD No.: 1R-0464
Plains SRS No.: 2003-00134
Incident ID: nAPP2108847697

Review of the 2022 Annual Groundwater Monitoring Report:
Content Satisfactory
1. Continue PSH recovery on a monthly basis from RW-1 through RW-2
2. Conduct semi-annual sampling and monitoring on wells: MW-1, MW-2, MW-4, MW-6, MW-7, RW-5, RW-6
3. Continue quarterly sampling of monitor wells: MW-3, MW-5, RW-1, RW-2, RW-3, RW-7 and RW-8
4. Please demonstrate that PAH remains below the NMWQCC standards/NMOCD in monitoring wells before requesting discontinuation of this analysis.
5. Submit the annual 2023 Annual Monitoring Report by April 1, 2024.

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1.0 INTRODUCTION AND OBJECTIVES

1.1 Objectives and Site Information

EnTech Consultants (EnTech) prepared this Annual Report on behalf of Plains Pipeline, L.P. (Plains) for the Vacuum to Jal 14" Mainline #5 release area (Site), located in T22S, R37E, Section 2 of Lea County, New Mexico. The Site is located approximately two (2) miles east of Eunice, New Mexico, and more specifically at latitude 32° 25' 39.006" and longitude 103° 07' 43.155" (**Figure 1**). The hydrocarbon impact at the Site is the result of a 20-barrel (bbl) crude oil release which occurred from the pipeline on May 23, 2003. The pipeline was owned by EOTT Energy, LLC (EOTT) at the time of the release and is currently owned by Plains.

This Report presents the data collected at the Site during weekly, bi-weekly, and monthly groundwater gauging and phase separated hydrocarbon (PSH) recovery and four (4) quarterly groundwater sampling events conducted during 2022. The objective of the on-going quarterly groundwater sampling activities at the Site is to monitor the concentration of chemicals of concern (COCs) in the affected groundwater. PSH recovery activities are conducted to remove residual crude oil from the groundwater.

EnTech was retained by Plains in 2012 to manage continued remediation activities at the Site. According to the initial New Mexico Oil Conservation Division (NMOCD) Response Notification (NMOCD Form C-141), Mr. Pat McCasland of Environmental Plus, Inc. (EPI) reported the Release, on behalf of Mr. Frank Hernandez of EOTT on May 23, 2003. A copy of the C-141 Release Notification Form was provided in the 2010 Annual Report Dated March 2011. The Release was apparently caused by internal or external corrosion. The line was being pressure tested when the Release occurred.

1.2 Previous Remedial Responses and Environmental Investigations

The previous environmental consultant for the Site was EarthCon Consultants, Inc. (EarthCon). As of July 1, 2012, EnTech was retained by Plains for consulting services for the Site. Even though the environmental consultant for the Site has changed, the same personnel were retained by EnTech to complete work for the Site.

EPI oversaw the initial emergency response activities at the Site in May and June of 2003. According to EPI documents, the May 2003 release resulted in surface impacts in two (2) areas which required excavation. The larger of the excavations was an irregularly shaped area measuring approximately 40-feet by 200-feet and affected a surface area of approximately 8,885-square feet (ft^2). The smaller area had an L-shaped footprint located east of the southernmost portion of the larger excavation which measured approximately 40-feet by 60-feet and affected a surface area of approximately 2,500-ft^2. The EPI data also revealed the presence of a historical spill at the Site identified by the presence of an

asphaltene layer which affected an area in the central portion of the larger excavation directly under the existing pipelines.

Based on the information provided by Mr. McCasland and file correspondence between EPI and Plains, approximately 1,466-cubic yards (yds^3) of heavily impacted surface soils were transported off-Site for treatment at the Lea Station Land Farm in March 2004. The remaining excavated soil was spread out adjacent to the excavation. In March 2004, EPI installed four (4) trenches in areas of known hydrocarbon-impact to further delineate depths of contamination and to determine if the base of the excavation was contaminated.

In January 2006, EarthCon collected twelve (12) composite soil samples from the excavated material to evaluate the concentration of hydrocarbons remaining. In March 2006, EarthCon oversaw the installation of three (3) soil borings which were subsequently converted to monitor wells (MW-1 through MW-3) at the Site. Following the installation of the three (3) monitor wells, EarthCon began weekly gauging and PSH recovery, and quarterly groundwater sampling activities at the Site.

Based on the available soil and groundwater data, a Soil Remediation Plan (SRP) was prepared and submitted to the NMOCD in May 2006. The primary objective of the SRP was to excavate the highly affected soils and to isolate and control residual concentration of COCs, preventing the COCs from further affecting the groundwater. The plan called for the placement of an impermeable liner at the base of the excavation, mitigating migration. The SRP was approved by the NMOCD in June 2006. During October and November 2006, EarthCon collected additional confirmation soil samples in the open excavations and supervised over-excavation of the impacted area, installation of a liner, and backfilling activities. The soil remediation activities were documented in the *Soil Closure Report* dated March 2007. Groundwater investigation activities were also conducted at the Site. Details associated with these site investigation activities were presented in the *Site Investigation and Annual Report*, dated March 2007. These reports document attainment of the risk based NMOCD approved cleanup objectives for soils established for this Site. Additionally, these reports established the COCs in groundwater had been delineated. The reports were submitted to the NMOCD for final regulatory approval for closure of soil issues at this Site, and a request made for a “No Further Action Required for Soil Remediation” letter from the NMOCD.

The groundwater remediation goals, and the proposed remedial approach are discussed in a Groundwater Work Plan submitted to the NMOCD in December 2009. Monitored natural attenuation is the established remedial approach for this Site along with source reduction activities including PSH recovery and quarterly groundwater monitoring. Additional assessment activities occurred at the Site in June of 2011, with the installation of recovery wells RW-1 through RW-6. The wells were initially installed to define the

lateral extent of affected groundwater and subsequently converted to recovery wells to enhance product recovery efforts.

In July 2012, EnTech was retained by Plains to manage remediation activities at the Site with groundwater and product recovery activities continuing in 2013. Specifically, two (2) recovery wells (RW-7 and RW-8) were installed in 2013. Since 2013, quarterly groundwater sampling and PSH recovery have been ongoing.

This report summarizes the activities conducted in 2022 for groundwater sampling, groundwater analysis, and PSH recovery activities.

1.3 Regulatory Framework

Based on standards outlined in New Mexico Administrative Code (NMAC), Title 20, Chapter 6, Part 2, the remediation criteria for groundwater at the Site are as follows:

COC	Limit (mg/L)
Benzene	0.01
Toluene	0.75
Ethylbenzene	0.75
Total Xylenes	0.62
Polynuclear Aromatic Hydrocarbons (PAH) (1,2)	0.03
Benzo-a-pyrene (2)	0.0007

1 –PAHs: Total naphthalenes plus monomethylnaphthalenes
2 –PAH remediation standards will be used as target concentrations only upon PSH removal.
mg/L – milligrams per liter

In addition to using the above values as the target cleanup goals for COC concentrations in groundwater at the Site, PSH removal is considered an integral part of ongoing remediation activities.

1.4 Limitations

EnTech has prepared this report using the level of care and professionalism in the industry for similar projects under similar conditions. EnTech will not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed at the time this report was prepared. EnTech believes the conclusions stated herein are factual, but no guarantee is made or implied.

2.0 GROUNDWATER ASSESSMENT AND RESULTS

2.1 Groundwater Sampling Methodology

Activities conducted at the Site in 2022 primarily consisted of gauging wells for groundwater levels, determining the presence or absence of PSH, and recovering PSH using absorbent socks, hand bailing, and submersible pumps. Groundwater sampling of PSH-free monitor/recovery wells was also completed on a quarterly basis to evaluate the extent of the dissolved-phase hydrocarbon plume.

Measurements of the depth to groundwater and product thickness in wells with hydrocarbon sheen or PSH were completed during the PSH recovery and groundwater sampling events. Seven (7) groundwater monitor wells (MW-1 through MW-7) and eight (8) recovery wells (RW-1 through RW-8) were gauged using an oil/water interface probe. The well locations are shown on **Figure 2**. Recovery well RW-8 was installed in November 2013 to enhance product recovery efforts at the Site. Information regarding the installation of RW-8 was included in the *2013 Soil Investigation and Groundwater Monitoring* report submitted to the NMOCD in March 2014.

Groundwater level elevations and the presence of PSH, if any, were noted for each monitor/recovery well on a quarterly basis. In cases where no measurable PSH was detected by the interface probe, the downhole sensor of the probe was examined for the presence of PSH upon removal from the well. Four (4) recovery wells (RW-1, RW-2, RW-3, and RW-8) contained PSH thicknesses ranging from sheen to 0.45-foot (ft.) during 2022. These wells were sampled annually to evaluate remaining benzene, toluene, ethylbenzene, and total xylenes (BTEX) and polycyclic aromatic hydrocarbons (PAH) concentrations. Starting in the second quarter of 2008 all recovery and monitor wells with PSH or sheen were required to be sampled annually. Additionally, after a review of the 2010 Annual Groundwater Monitoring Report, the NMOCD requested any monitor well which had a COC exceeding NMOCD standards be sampled for PAHs. To meet these two (2) requirements and for consistency, groundwater samples were collected from recovery wells RW-1 and RW-2 during the second quarter of 2011 through 2018 and from RW-8 in the second quarter of 2014 through 2018 for PAH analysis. Groundwater samples were collected for analysis of PAH from recovery wells RW-1, RW-3, and RW-8 in 2019, from recovery wells RW-1 through RW-3 and RW-8 in 2020 and 2021, and from all monitor and recovery wells in the second quarter of 2022.

Groundwater monitor wells not exhibiting PSH, or hydrocarbon sheen were gauged and sampled quarterly. After collecting and recording the groundwater level, each well was purged with a clean electric submersible pump or hand bailed using a clean disposable bailer, and groundwater samples were collected using a new dedicated disposable bailer.

Groundwater samples were transferred directly from the disposable bailers into the appropriate laboratory-supplied sample containers. The sample containers were then packaged to prevent breakage, placed on ice in a cooler, and shipped to Pace Analytical (Pace) in Mount Juliet, Tennessee for analysis. The groundwater samples were analyzed for BTEX by Environmental Protection Agency (EPA) Method SW 8260B and PAHs by EPA Method SW 8270C.

2.2 Groundwater Gauging

Table 1 summarizes groundwater gauging (elevation and PSH thickness) measurements collected before each quarterly sampling event in 2019-2022. Historical groundwater elevation and PSH thickness measurements recorded since March 6, 2018, are presented in **Table 2**. The groundwater elevation calculations are based on the top of polyvinyl chloride (PVC) well casing elevations, which were last surveyed on March 15, 2005, by EarthCon, and updated in December 2013 by EnTech for the two (2) new recovery wells installed in November 2013 (RW-7 and RW-8).

2.3 Groundwater Gradient and Flow Direction

Using the 2022 groundwater gauging data summarized in **Table 1**, groundwater gradient maps illustrating groundwater flow direction are included as **Figures 3A** through **3D**. The calculated groundwater gradient and estimated groundwater flow direction are based on the gauging data obtained on March 15, June 23, September 27, and December 8, 2022. The hydraulic gradient in 2022 ranged from 0.0032 to 0.0034 feet/foot (ft/ft), based on groundwater elevations measured between monitor wells MW-4 and MW-1. The groundwater flow direction has consistently been to the south.

2.4 Groundwater Analytical Results

Groundwater samples were collected on March 15, June 23, September 28, and December 8, 2022, from all wells which did not contain PSH (see **Table 3**). Sampled monitor/recovery wells were purged by removing a minimum of three (3) to five (5) well volumes of groundwater. In some instances, depending on groundwater conditions, wells were bailed dry three (3) times using a disposable bailer and allowed to recover to at least 80% of the initial volume before collecting samples. Groundwater samples were collected and transferred into laboratory-supplied sample containers. The sample containers were placed on ice in a cooler and shipped to Pace, in Mount Juliet, Tennessee for analysis. Groundwater samples collected from select monitor/recovery wells were analyzed for BTEX in all four (4) quarters of 2022.

Analytical results reported for the groundwater samples collected from wells MW-1 through MW-7, RW-2 through RW-8, indicated nondetectable BTEX concentrations or BTEX concentrations below the NMOCD groundwater remediation criteria during 2022.

Benzene concentrations above the NMOCD remediation criteria of 0.01 mg/L were reported in the groundwater sample collected from recovery well RW-1 during the first quarter 2022 sampling event (0.0128 mg/L). Analysis of groundwater samples collected from RW-1 during the second and third quarters 2022 indicated benzene concentrations below the NMOCD criteria. No sample was collected from RW-1 during the fourth quarter 2022 sampling event due to the presence of PSH. Groundwater sampling was reduced to semi-annual in monitor wells MW-1 and MW-2 and recovery wells RW-5 and RW-6 per the 2019 Annual groundwater monitoring report recommendations and approvals. Groundwater samples were collected from recovery well RW-3 during the first and second quarters 2022 which indicated nondetectable BTEX concentrations or concentrations below the NMOCD groundwater remediation criteria. Analysis of all other BTEX constituents (i.e., toluene, ethylbenzene, and total xylenes) occurred below MDLs or at levels below the NMOCD criteria.

PAH sampling was discontinued after the second quarter 2022 sampling event.

Table 2.4.1 below summarizes the COC concentrations in which NMOCD Remediation Criteria exceedances or detectable concentrations were observed in 2022. The 2022 analytical results are presented in **Table 3**.

TABLE 2.4.1

2022 COC CONCENTRATIONS (mg/L)

	FIRST QUARTER	**SECOND QUARTER**	**THIRD QUARTER**	**FOURTH QUARTER**
	BENZENE	**BENZENE**	**BENZENE**	**BENZENE**
NMOCD REMEDIATION CRITERIA (MG/L)	**0.01**	**0.01**	**0.01**	**0.01**
RW-1	**0.0128**	0.00478 J	0.00103	NS
RW-2	0.00134	0.00546	NS	NS
RW-3	NS	0.000539 J	0.00126	NS
RW-8	NS	0.000989 J	NS	NS

Note: Concentrations in bold indicate exceedances of NMOCD Remediation criteria.
NS –Not sampled due to a visible PSH sheen.
mg/L – milligrams per liter

Historical analytical results are presented in **Table 4**. Laboratory analytical reports and data packages are provided in **Appendix A**. The groundwater analytical data for each quarterly sampling event of 2022 are illustrated in **Figures 4A** through **4D**.

2.5 Groundwater Waste Disposal

Purge water recovered from monitor wells MW-1 through MW-7 and recovery wells RW-1 through RW-8 during quarterly gauging and sampling events were placed in the 1,100-gallon aboveground storage tank (AST) located at the Site. These liquids are vacuumed from the AST and transported off-Site for disposal by Gandy Corporation of Lovington, New Mexico. No off-Site disposal of recovered fluids occurred in 2022.

3.0 PSH RECOVERY

3.1 PSH Recovery Methodology

In addition to collecting groundwater samples, EnTech performed activities at the Site to gauge and periodically recover PSH from recovery wells exhibiting measurable PSH or sheen (RW-1 through RW-3, and RW-8). Recovery well RW-8, was installed in November 2013 and added for PSH recovery on a weekly basis. Measurements to PSH and water levels were recorded during each Site visit. Measurements from 2018 through 2022 are summarized in **Table 2**. PSH recovery activities were initially completed using submersible pumps, hand bailing, and/or absorbent socks. Routine PSH recovery activities typically consisted of hand bailing five (5) - to 20-gallons of groundwater and dissolved-phase hydrocarbons and PSH ranging from a sheen to two (2)-gallons from the above referenced wells.

3.2 PSH Recovery via Pumping and Manual Bailing

During 2022, measurable PSH was observed in recovery wells RW-1 through RW-3 and RW-8 during at least one (1) quarterly sampling event. Annual PSH and dissolved phase groundwater recovery data for 2022 are presented in **Table 6**.

The PSH observed in recovery well RW-1 during recovery events in 2022, indicated a stable thickness. The maximum PSH thickness observed in RW-1 was a 0.02-ft, an increase from a sheen reported during the second quarter 2022 gauging event. The calculated average PSH thickness measured in RW-1 in 2022 was 0.0017-ft.

The maximum PSH thickness observed in recovery well RW-2 during 2022 was 0.45-ft during the third quarter 2022 gauging event, which is equal to the maximum observed in 2021 (0.45-ft). The calculated average product thickness measured in RW-2 in 2022 was 0.08-ft, which is less than the calculated average product thickness observed in 2021 (0.26-ft).

The PSH thicknesses observed in recovery well RW-3 in 2022 ranged from a sheen to 0.06-ft. These levels were a slight increase as compared to the maximum thickness observed in 2020 (0.01-ft) and 2021 (0.02-ft). The calculated average thickness for 2022 was 0.013-ft, a slight increase from 0.008-ft observed in 2021.

The PSH thicknesses ranging from a sheen to 0.33-ft were reported in recovery well RW-8 in 2022. The average calculated thickness in 2022 of 0.11-ft was a decrease relative to the average calculated thickness reported in 2020 (0.12-ft) and 2021 (0.29-ft)

3.3 PSH Waste Disposal

Approximately 9.25-gallons of PSH and 715.75-gallons of affected groundwater were recovered from the wells containing PSH during 2022 (RW-1 through RW-3 and RW-8)

and placed in the on-Site AST. These liquids are vacuumed from the tank and transported off-Site for disposal by Gandy Corporation of Lovington, New Mexico. No off-Site disposal of recovered fluids occurred in 2022.

4.0 MONITORED NATURAL ATTENUATION

4.1 Regulatory Framework for Monitored Natural Attenuation

Monitored Natural Attenuation (MNA) is defined by the New Mexico Environmental Department in 20.5.13 New Mexico Administrative Code (NMAC) as "a methodology for remediation that relies upon a variety of naturally occurring chemical, physical and biological processes to achieve target concentrations in a manner that is equally as protective of public health, safety and welfare, and the environment as other methods and that is accompanied by a program of monitoring to document the process and results of the above mentioned processes."

As part of the MNA process several lines of evidence need to be evaluated, the general lines of evidence are listed below:

- **Primary Lines of Evidence (PLOE).** Relies on use of historical groundwater data that demonstrate a clear trend of stable or decreasing COC concentrations over time and with distance away from the source at appropriate monitoring or sampling points.
- **Secondary Lines of Evidence (SLOE).** Uses geochemical indicators to document certain geochemical signatures or "footprints" in the groundwater that demonstrate (indirectly) the type of natural attenuation process(es) occurring at the affected property and the destruction of COCs; or uses distance-based/time-based/biodegradation rate calculations to demonstrate attenuation.
- **Other Lines of Evidence (OLOE).** Most often consists of predictive modeling studies and other lab/field studies that demonstrate an understanding of the natural attenuation process(es) occurring at the affected property and their effectiveness in controlling Protective Concentration Level Exceedance (PCLE) zone migration and decreasing COC concentrations.

4.2 Plume Stability and Monitored Natural Attenuation

The Site is currently undergoing Plume Stability Analysis. While samples are collected observing field measured groundwater quality parameters (i.e., oxygen-reduction potential, dissolved oxygen, etc.), insufficient data exists at this time to perform a reliable evaluation.

While plume stability using MNA cannot be fully evaluated at this time, PLOEs do exist and include:

- The benzene concentrations reported in the groundwater samples collected from the monitor and recovery wells down-gradient of the plume (MW-1, MW-5 through

MW-7, and RW-6) occurred at nondetectable concentrations or at levels below the NMOCD criteria since 2011;

- Benzene concentrations reported in the groundwater samples collected from cross-gradient monitor wells (MW-2 and RW-5) have remained at nondetectable levels or concentrations below the NMOCD criteria since 2007. Recovery well RW-7 was installed in 2013 and analysis of groundwater samples since installation have all indicated COC concentrations below the NMOCD groundwater remediation criteria;
- Benzene concentrations analyzed in groundwater samples collected from recovery wells in proximity to the release area (RW-1 through RW-3) appear to be stable since 2019, whereas concentrations reported in the groundwater samples collected from RW-8 indicated stable benzene concentrations since December 2021; and,
- PSH thicknesses observed in recovery wells RW-1 through RW-3 and RW-8 during 2022 appear to be stable relative to 2021. Specifically, the thickness observed in RW-1 decreased from a maximum of 0.08-ft reported during the April 2, 2019 gauging event relative to a maximum thickness of 0.02-ft reported during the December 8, 2022, gauging event; the observed thickness in RW-2 decreased from a maximum of 0.75-ft reported during the January 29, 2019 gauging event relative to a maximum thickness of 0.45-ft reported during the September 28, 2022, gauging event; the observed thickness in RW-3 decreased from a maximum of 0.28-ft during the March 28, 2019, gauging event relative to maximum of 0.06-ft reported during the March 15, 2022, gauging event; and, the observed maximum thickness of 0.78-ft reported in RW-8 during the February 5, 2019, gauging event decreased relative to a maximum of 0.33-ft reported during the August 18, 2022, gauging event.

The dissolved phase plume was evaluated in 2022 by analyzing groundwater samples collected quarterly from eleven (11) PSH-free monitor and recovery wells. Groundwater samples were collected from monitor wells MW-1 through MW-7 and recovery wells RW-4 through RW-7. Laboratory analysis of those samples collected from PSH-free wells during 2022 indicated nondetectable BTEX concentrations or concentrations below the NMOCD acceptable levels.

Understanding plume stability is an important step in the remedial planning process for a Site. For instance, an increasing plume could potentially migrate to human or environmental receptors, whereas a stable or decreasing plume may not pose an imminent threat to human health and the environment. An introduction to plume stability analysis and the basis for the plume evaluation at the Site was presented in the 2009 Annual report.

This analysis was conducted to understand the overall stability of the benzene plume during 2006 through 2022. This study included the development of benzene concentration isopleths maps from the average of the benzene concentrations reported in the four (4) quarterly groundwater sampling events for all the wells with no PSH (specifically monitor wells MW-1 through MW-7 and recovery wells RW-4 through RW-7). Since the wells with PSH were sampled during the 2nd quarter groundwater sampling events from 2008 through 2022, the benzene concentrations reported during this sampling event were used in the plume evaluation.

A SLOE is provided by the Mann Kendall Trend Test (MKTT), which is a statistical method used to analyze data collected over time for consistently increasing or decreasing trends. It is a non-parametric test, which means it works for all distributions (i.e., the data doesn't have to meet the assumption of normality), but the data should have no serial correlation.

The test can be used to find trends for as few as four (4) samples. However, with only a few data points, the test has a high probability of not finding a trend when one would be present if more points were provided. The more data points available, the more likely the test is going to find a true trend. The minimum number of recommended measurements is therefore at least eight (8) to ten (10) (Reference: Prashanth Khambhammettu: "Mann-Kendall Analysis for the Fort Ord Site", HydroGeoLogic, Inc.-OU-1 2004 Annual Groundwater Monitoring Report-Former Fort Ord, California, 2005).

Concentrations of benzene analyzed in groundwater samples collected from the Site between June 3, 2011, and December 9, 2022, were evaluated using the MKTT. Only monitor wells with detectable concentrations of benzene in 2019-2022 were evaluated.

Monitor wells evaluated by MKTT for benzene included recovery well RW-1 through RW-3 and RW-8.

Benzene Evaluation		
Well ID	Confidence Factor	Trend
RW-1	100.0%	Decreasing
RW-2	96.2%	Decreasing
RW-3	>99.9%	Decreasing
RW-8	>99.9%	Decreasing

A copy of the MKTT analysis is included in Appendix C.

The benzene concentration isopleth maps for 2015 through 2022 are presented in **Figures 5** through **12,** respectively. The analytical data collected for the Site used for the

plume stability analysis indicates that the benzene plume emanating from the Site has a decreasing trend in concentration, size, and mass.

5.0 FINDINGS

Findings and recommendations resulting from 2022 groundwater monitoring at the Site are summarized below.

- Groundwater flow in the uppermost groundwater-bearing unit is to the south ranging from 0.0032- to 0.0034-ft/ft as measured between wells MW-4 and MW-1. The flow direction is consistent with previously reported events.
- Analytical results reported for the groundwater samples collected from wells MW-1 through MW-7, and RW-2 through RW-8, indicated nondetectable BTEX concentrations or concentrations below the NMOCD remediation criteria.
- Laboratory analysis of groundwater samples collected from recovery wells with observed PSH in 2022 (RW-1 through RW-3 and RW-8), indicated benzene concentrations ranging from nondetectable to 0.0128 mg/L. Benzene concentrations analyzed in the groundwater samples collected from RW-2 through RW-7, were reported at levels below the NMOCD criteria of 0.01 mg/L. Analysis of all other constituents (i.e., toluene, ethylbenzene, and total xylenes) occurred at nondetectable concentrations or concentrations below the NMOCD criteria.
- PSH recovery from wells RW-1 through RW-3, and RW-8 continued during 2022. The estimated quantity of PSH recovered from wells exhibiting PSH during monthly PSH recovery efforts totaled approximately 9.25-gallons, with affected groundwater recovery totaling approximately 715.75-gallons.
- The PSH plume has remained in the historical source area, located in the vicinity of recovery wells RW-1 through RW-3 and RW-8, and does not appear to be migrating downgradient.

Based on PSH recovery data and laboratory analysis of groundwater samples collected during 2022 from monitor and recovery wells at the Site, EnTech recommends the following actions:

- PSH recovery from wells RW-1 through RW-3 and RW-8 should continue on a monthly basis.
- Groundwater monitoring should be conducted semi-annually on monitor wells MW-1, MW-2, MW-4, MW-6, MW-7, RW-5 and RW-6 per the NMOCD approval of January 12, 2022.
- Quarterly groundwater sampling of monitor wells MW-3, MW-5, and recovery wells RW-1, RW-2, RW-3, RW-7 and RW-8 should be performed if no measurable PSH is observed.
- Annual groundwater sampling should be performed on all wells at the Site.

- PAH samples should be discontinued in all wells with two (2) consecutive years of concentrations below the NMOCD criteria. Recovery well RW-8 will be sampled for PAHs in 2023. If concentrations of PAH remain below the NMOCD criteria, PAH sampling will be discontinued after 2023.

FIGURES

Figure 1 Site Location Map
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Figure 3A 1st Quarter 2022 – Groundwater Gradient Map (March 15, 2022)
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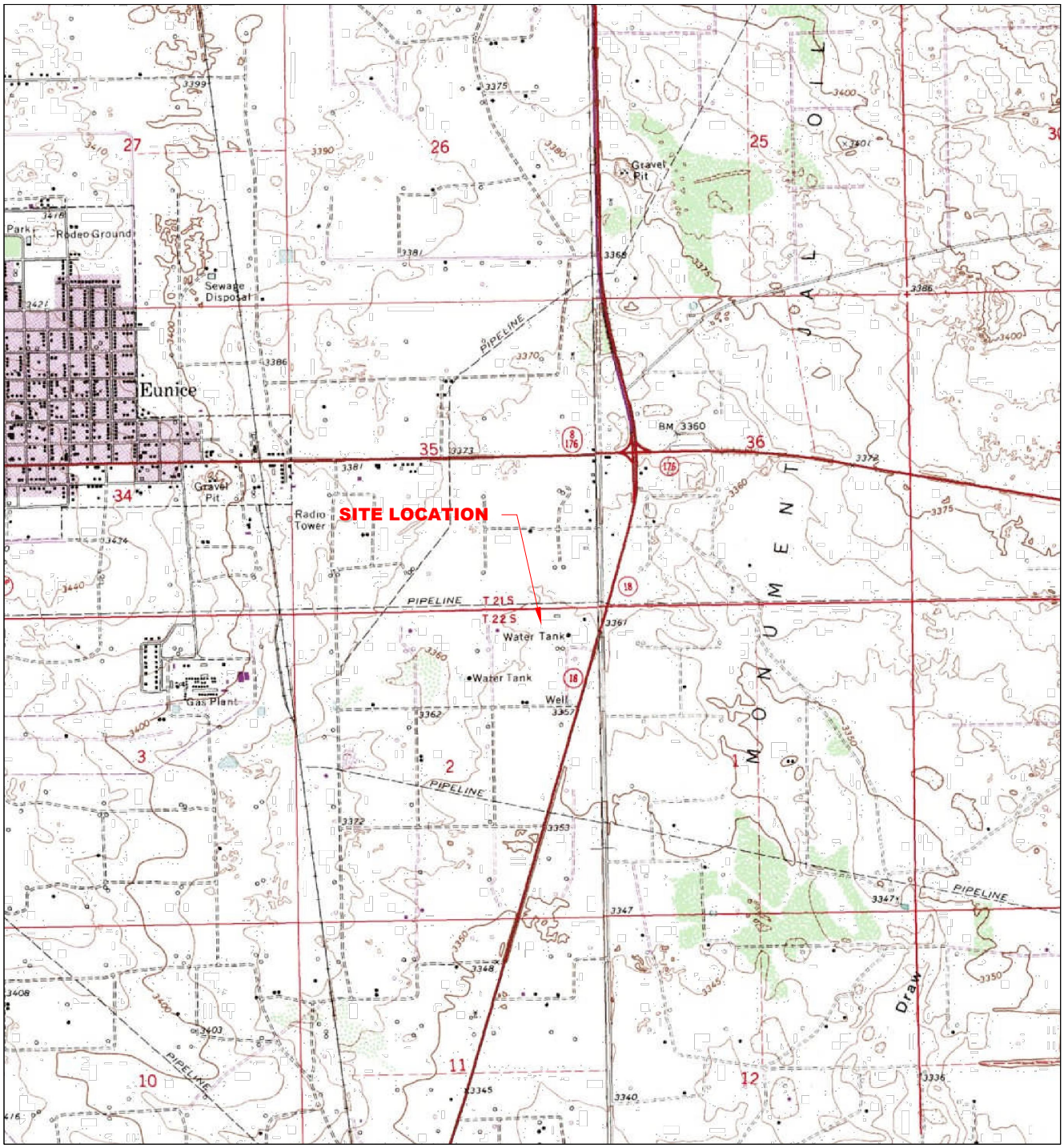
Figure 11 2021 – Benzene Isopleth Map
Figure 12 2022 – Benzene Isopleth Map



N

1/2 1/4 0 1/4 1/2

Distance in Miles

Eunice Quadrangle
32°25'39"N Latitude & 103°07'43"W Longitude

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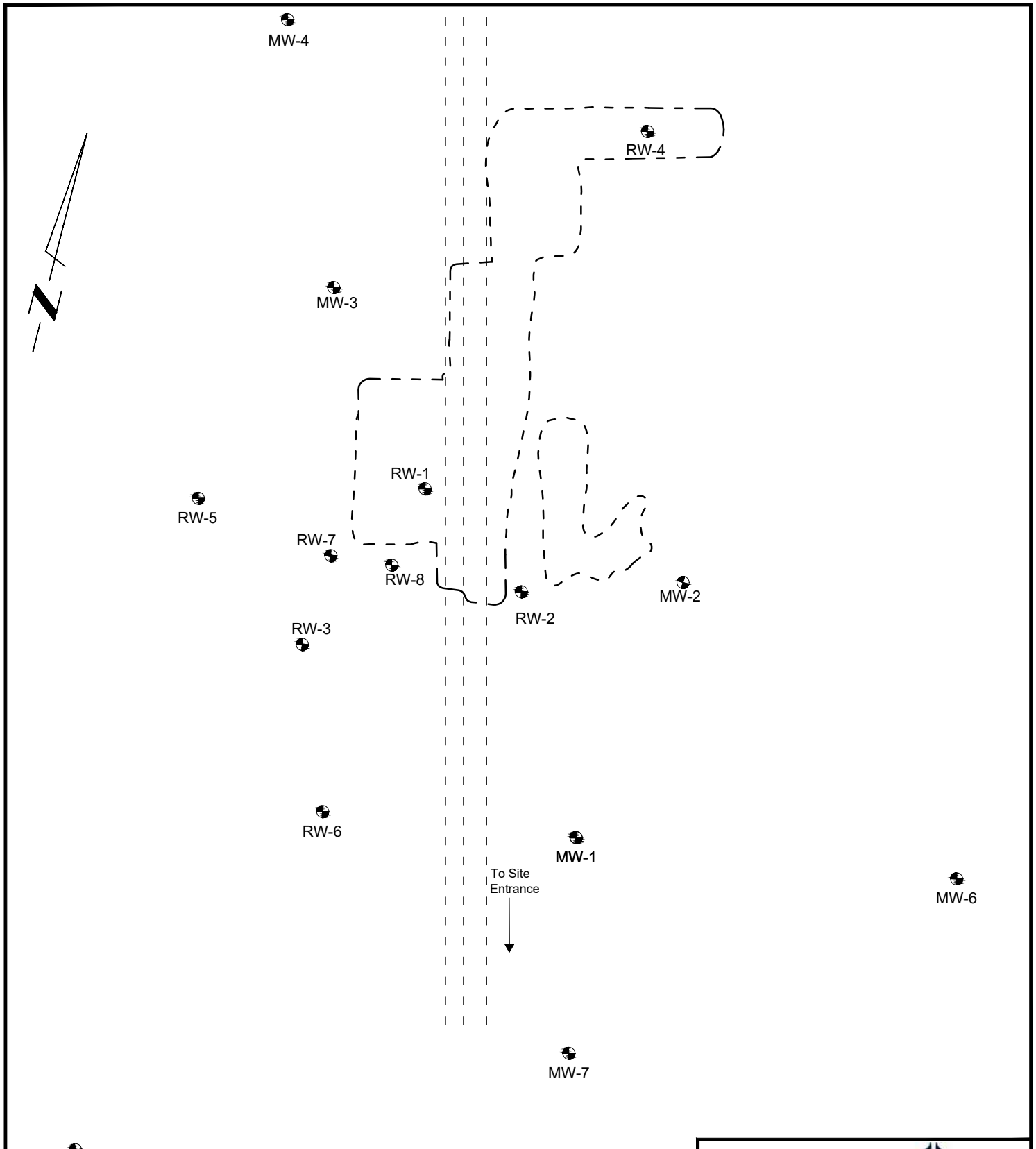
Figure 1
Site Location Map
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015	DATE: 1/23



LEGEND:

- **MW** - Monitoring Well Location
- **RW** - Recovery Well Location
- ---- - Excavation Extent
- – – – - Burried Pipeline

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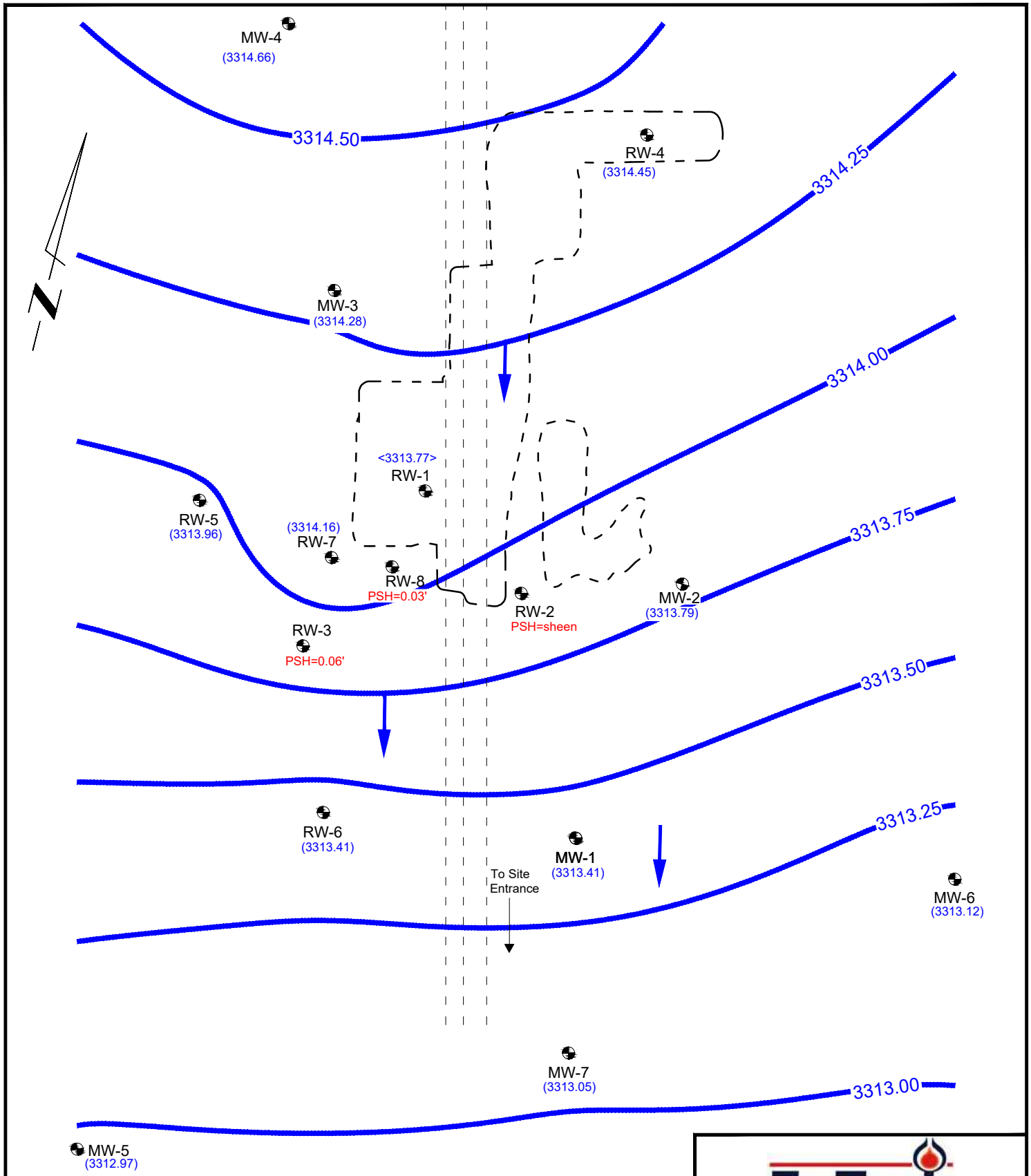
Figure 2
Site Map
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015	DATE: 1/21



LEGEND:

- **MW** - Monitoring Well Location
- **RW** - Recovery Well Location
- ---- - Excavation Extent
- – – – - Burried Pipeline
- 3312.5 - Groundwater Elevation Contour, ft. Contour Interval = 0.25'
- (3311.73) - Corrected Groundwater Elevation, ft.
- <3313.77> - Elevation Not Used to Contour
- ← - Grounwater Flow Direction

PSH - Phase Separated Hydrocarbons
Wells with PSH not used to calculated gradient.

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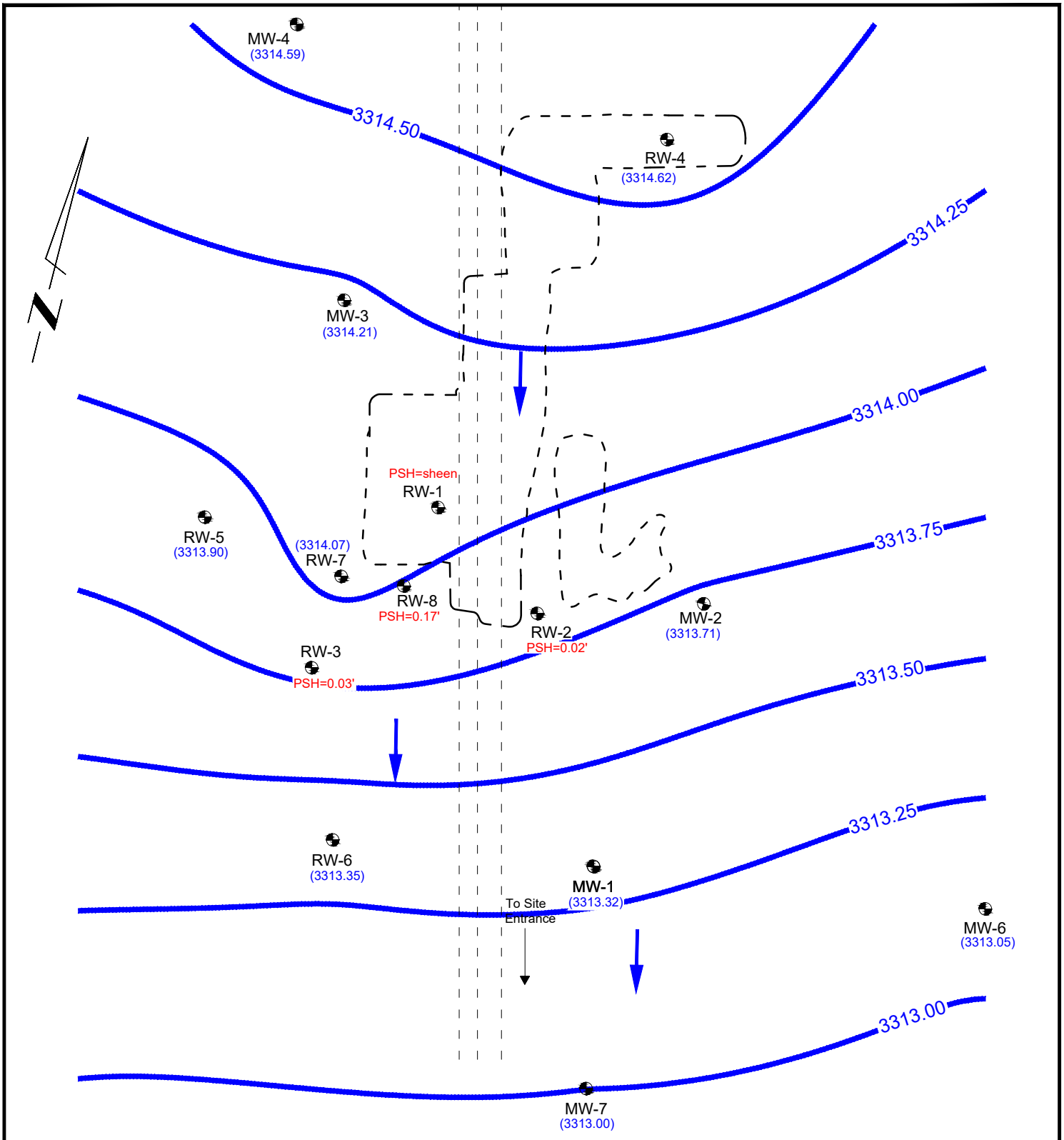
Figure 3A
1st Quarter 2022 - Groundwater Gradient Map
March 15, 2022
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 04/22



LEGEND:

- **MW** - Monitoring Well Location
- **RW** - Recovery Well Location
- ---- - Excavation Extent
- – – – - Burried Pipeline
- 3312.5 - Groundwater Elevation Contour, ft. Contour Interval = 0.25'
- (3311.73) - Corrected Groundwater Elevation, ft.
- <3313.77> - Elevation Not Used to Contour
- ← - Grounwater Flow Direction

PSH - Phase Separated Hydrocarbons
Wells with PSH not used to calculated gradient.

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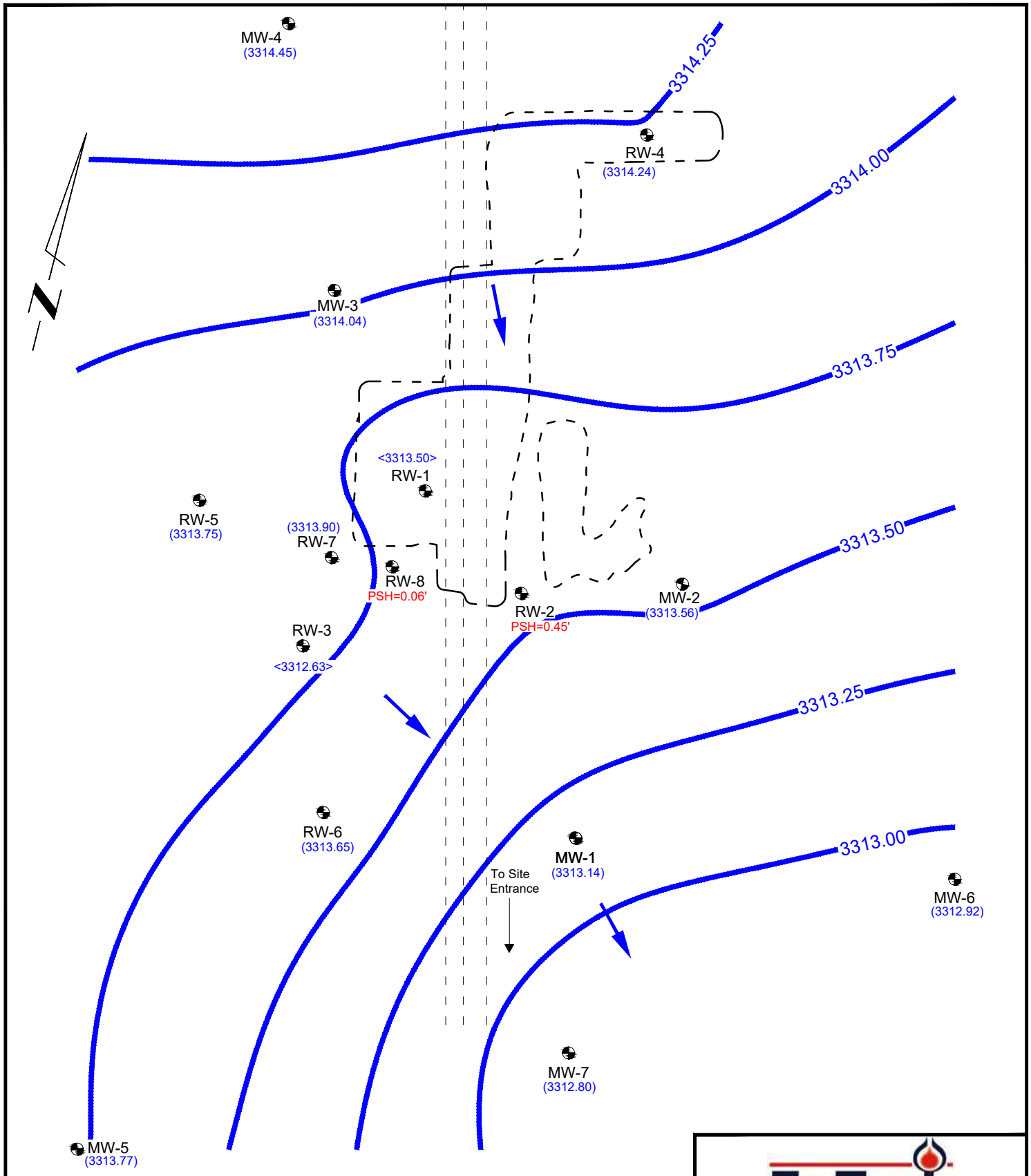
Figure 3B
2nd Quarter 2022 - Groundwater Gradient Map
June 23, 2022
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 07/22



LEGEND:

- **MW** - Monitoring Well Location
- **RW** - Recovery Well Location
- ---- - Excavation Extent
- – – – - Burried Pipeline
- 3312.5 - Groundwater Elevation Contour, ft. Contour Interval = 0.25'
- (3311.73) - Corrected Groundwater Elevation, ft.
- <3313.77> - Elevation Not Used to Contour
- ← - Grounwater Flow Direction

PSH - Phase Separated Hydrocarbons
Wells with PSH not used to calculated gradient.

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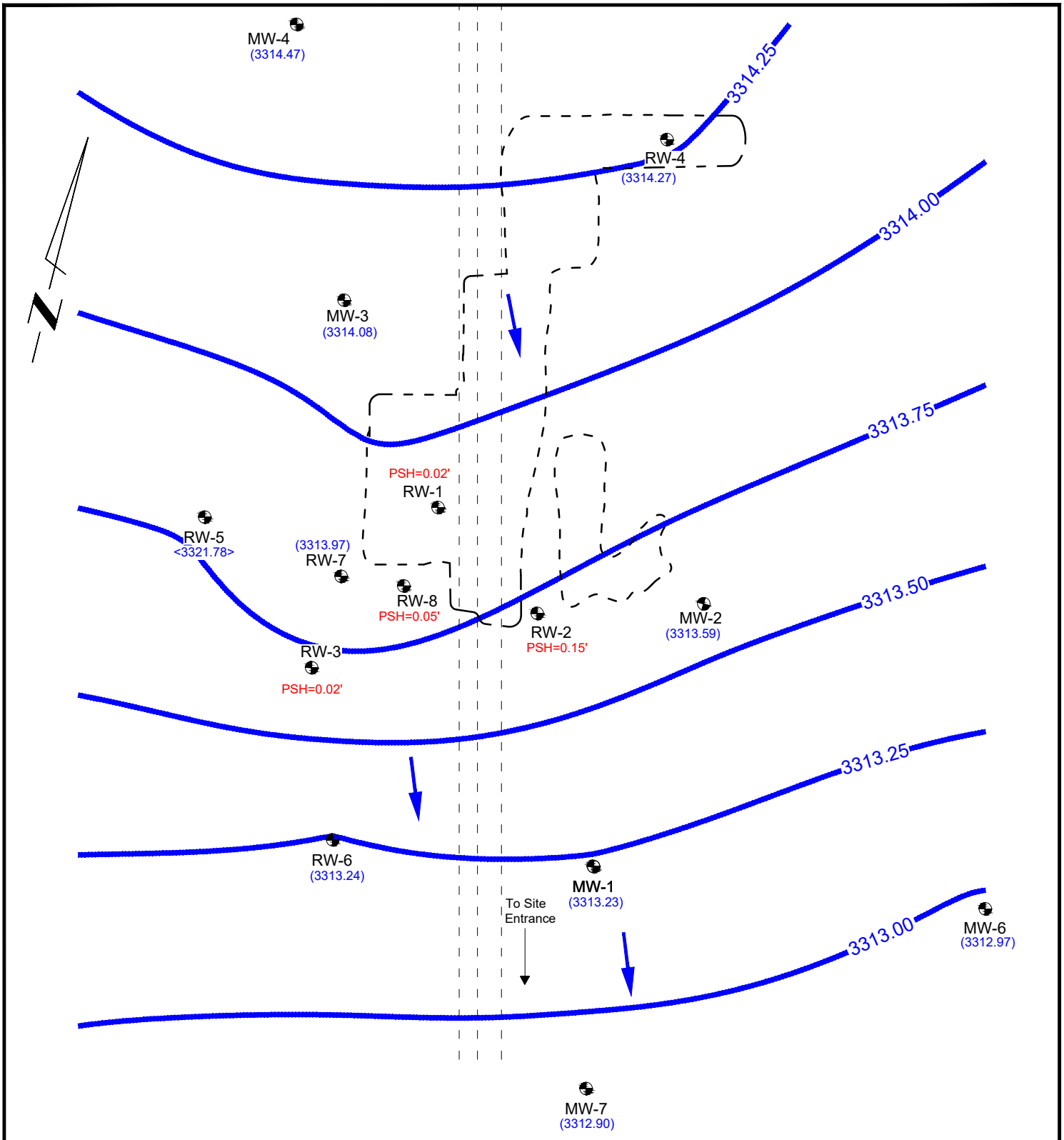
Figure 3C
3rd Quarter 2022 - Groundwater Gradient Map
September 27, 2022
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 10/22



LEGEND:

- **MW** - Monitoring Well Location
- **RW** - Recovery Well Location
- ---- - Excavation Extent
- – – – - Buried Pipeline
- 3312.5 - Groundwater Elevation Contour, ft. Contour Interval = 0.25'
- (3311.73) - Corrected Groundwater Elevation, ft.
- <3313.77> - Elevation Not Used to Contour
- ← - Grounwater Flow Direction

PSH - Phase Separated Hydrocarbons
Wells with PSH not used to calculated gradient.

0 60
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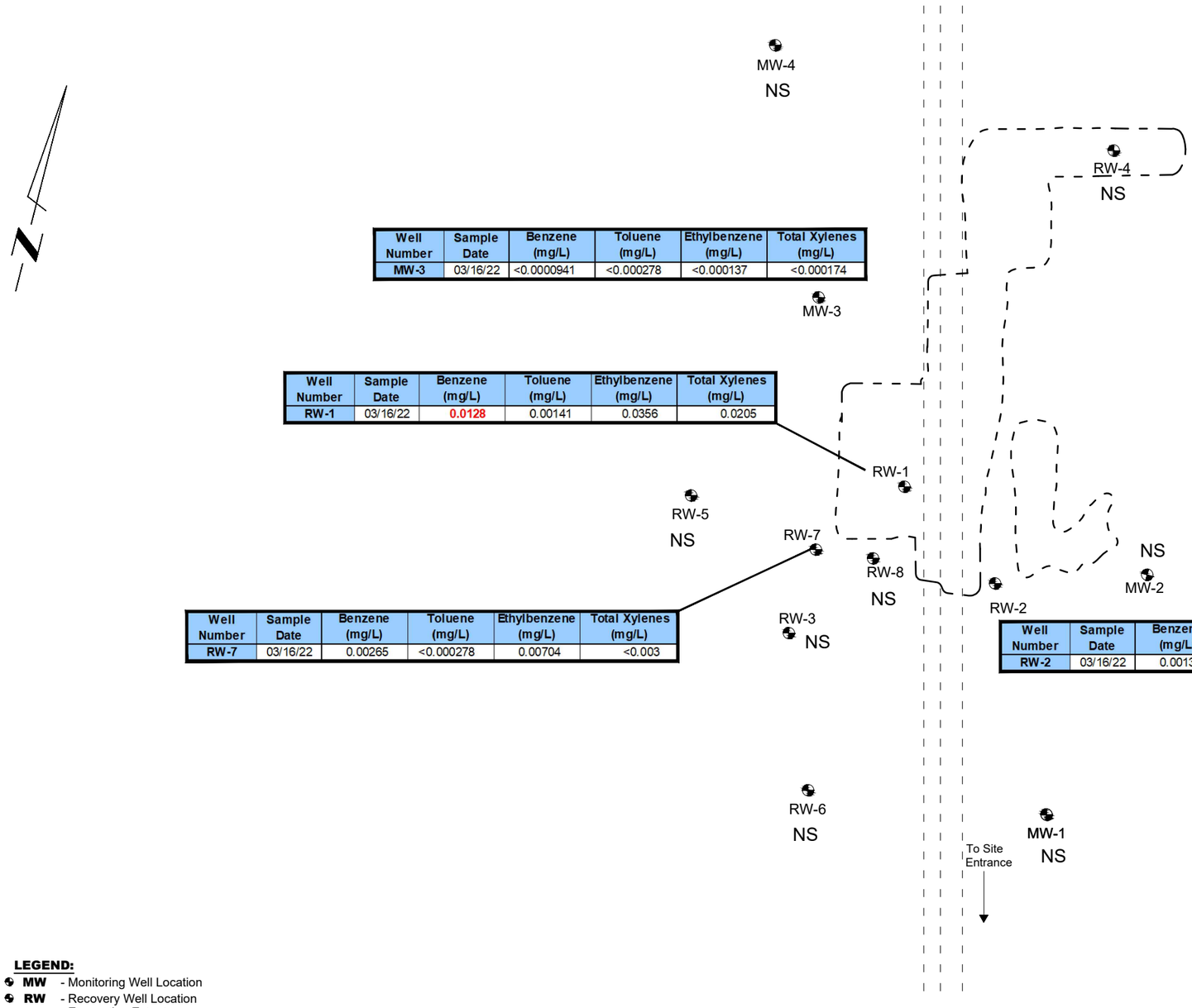
Figure 3D
4th Quarter 2022 - Groundwater Gradient Map
December 8, 2022
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 1/23



Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-3	03/16/22	<0.0000941	<0.000278	<0.000137	<0.000174

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-1	03/16/22	**0.0128**	0.00141	0.0356	0.0205

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-7	03/16/22	0.00265	<0.000278	0.00704	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-2	03/16/22	0.00134	<0.000278	<0.000137	0.00938

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-5	03/16/22	<0.0000941	<0.000278	<0.000137	<0.000174

LEGEND:

- **MW** - Monitoring Well Location
- **RW** - Recovery Well Location
- ---- - Excavation Extent
- - - - Buried Pipeline

Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
NMOCD Remediation Criteria			
0.01	**0.75**	**0.75**	**0.62**

Concentrations in **BOLD** exceed the NMOCD Remediation Criteria for the Site.
NS - Not Sampled

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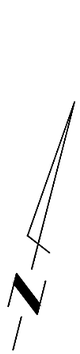
Figure 4A
1st Quarter 2022 Groundwater Analytical Map
March 16, 2022
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 04/22



MW-4

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-4	06/23/22	<0.0000941	<0.000278	<0.000137	<0.000174

RW-4

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-4	06/23/22	<0.0000941	<0.000278	<0.000137	<0.000174

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-3	06/23/22	<0.0000941	<0.000278	<0.000137	<0.000174

MW-3

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-1	06/23/22	0.00478	<0.000139	0.00883	0.0106 J

RW-1

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-5	06/23/22	<0.0000941	<0.000278	<0.000137	<0.000174

RW-5

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-2	06/23/22	<0.0000941	<0.000278	<0.000137	<0.000174

MW-2

RW-7

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-7	06/23/22	0.000332 J	<0.000278	0.00104	<0.000174

RW-8

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-8	06/23/22	0.000989 J	<0.000278	0.0219	0.0533

RW-2

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-2	06/23/22	0.00546	0.00106	0.00658	0.0373

RW-3

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-3	06/23/22	0.000539 J	<0.000278	0.00197	0.00146 J

RW-6

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-6	06/23/22	<0.0000941	<0.000278	<0.000137	<0.000174

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-1	06/23/22	<0.0000941	<0.000278	<0.000137	<0.000174

MW-1

To Site Entrance

MW-6

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-6	06/23/22	<0.0000941	<0.000278	<0.000137	<0.000174

MW-7

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-7	06/23/22	<0.0000941	<0.000278	<0.000137	<0.000174

MW-5

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-5	06/23/22	<0.0000941	<0.000278	<0.000137	<0.000174

LEGEND:

- **MW** - Monitoring Well Location
- **RW** - Recovery Well Location
- ---- - Excavation Extent
- – – – Buried Pipeline

Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
NMOCD Remediation Criteria			
0.01	0.75	0.75	0.62

Concentrations in **BOLD** exceed the NMOCD Remediation Criteria for the Site.

0 60

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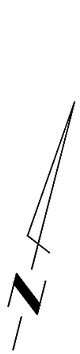
Figure 4B
2nd Quarter 2022 Groundwater Analytical Map
June 23, 2022
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 7/22



MW-4

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-4	09/28/22	<0.0000941	<0.000278	<0.000137	<0.000174

RW-4

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-4	09/28/22	<0.0000941	<0.000278	<0.000137	<0.000174

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-3	09/28/22	<0.0000941	<0.000278	<0.000137	<0.000174

MW-3

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-1	09/28/22	0.00103	<0.000278	0.00378	0.00494

RW-1

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-5	09/28/22	<0.0000941	<0.000278	<0.000137	<0.000174

RW-5

RW-7

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-7	09/28/22	0.00175	<0.000278	0.00140	<0.000174

RW-8
NS

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-2	09/28/22	<0.0000941	<0.000278	<0.000137	<0.000174

MW-2

RW-2
NS

RW-3

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-3	09/28/22	0.00126	<0.000278	0.00213	0.00174 J

RW-6

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-6	09/28/22	<0.0000941	<0.000278	<0.000137	<0.000174

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-1	09/28/22	<0.0000941	<0.000278	<0.000137	<0.000174

MW-1

To Site Entrance

MW-6

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-6	09/28/22	<0.0000941	<0.000278	<0.000137	<0.000174

MW-7

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-7	09/28/22	<0.0000941	<0.000278	<0.000137	<0.000174

LEGEND:

- **MW** - Monitoring Well Location
- **RW** - Recovery Well Location
- ---- - Excavation Extent
- – – - Buried Pipeline

Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
NMOCD Remediation Criteria			
0.01	0.75	0.75	0.62

Concentrations in **BOLD** exceed the NMOCD Remediation Criteria for the Site.
NS - Not Sampled

MW-5

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-5	09/28/22	<0.0000941	<0.000278	<0.000137	<0.000174

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Figure 4C
3rd Quarter 2022 Groundwater Analytical Map
September 28, 2022
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 10/22

MW-4

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-4	12/09/22	<0.000493	<0.000998	<0.000462	<0.00132

RW-4

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-4	12/09/22	<0.000493	<0.000998	<0.000462	<0.00132

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-3	12/09/22	<0.000493	<0.000998	<0.000462	<0.00132

MW-3

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-5	12/09/22	<0.000493	<0.000998	<0.000462	<0.00132

RW-5

NS
RW-1

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-2	12/09/22	<0.000493	<0.000998	<0.000462	<0.00132

MW-2

RW-7

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-7	12/09/22	0.00127 J	<0.000998	0.00103 J	<0.00132

RW-8
NS

RW-2
NS

RW-3
NS

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-1	12/09/22	<0.000493	<0.000998	<0.000462	<0.00132

MW-1

RW-6

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-6	12/09/22	<0.000493	<0.000998	<0.000462	<0.00132

To Site Entrance

MW-6

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-6	12/09/22	<0.000493	<0.000998	<0.000462	<0.00132

MW-7

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-7	12/09/22	<0.000493	<0.000998	<0.000462	<0.00132

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-5	12/09/22	<0.000493	<0.000998	<0.000462	<0.00132

MW-5

LEGEND:

- MW - Monitoring Well Location
- RW - Recovery Well Location
- ---- - Excavation Extent
- - - - Burried Pipeline

Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
NMOCD Remediation Criteria			
0.01	0.75	0.75	0.62

Concentrations in **BOLD** exceed the NMOCD Remediation Criteria for the Site.

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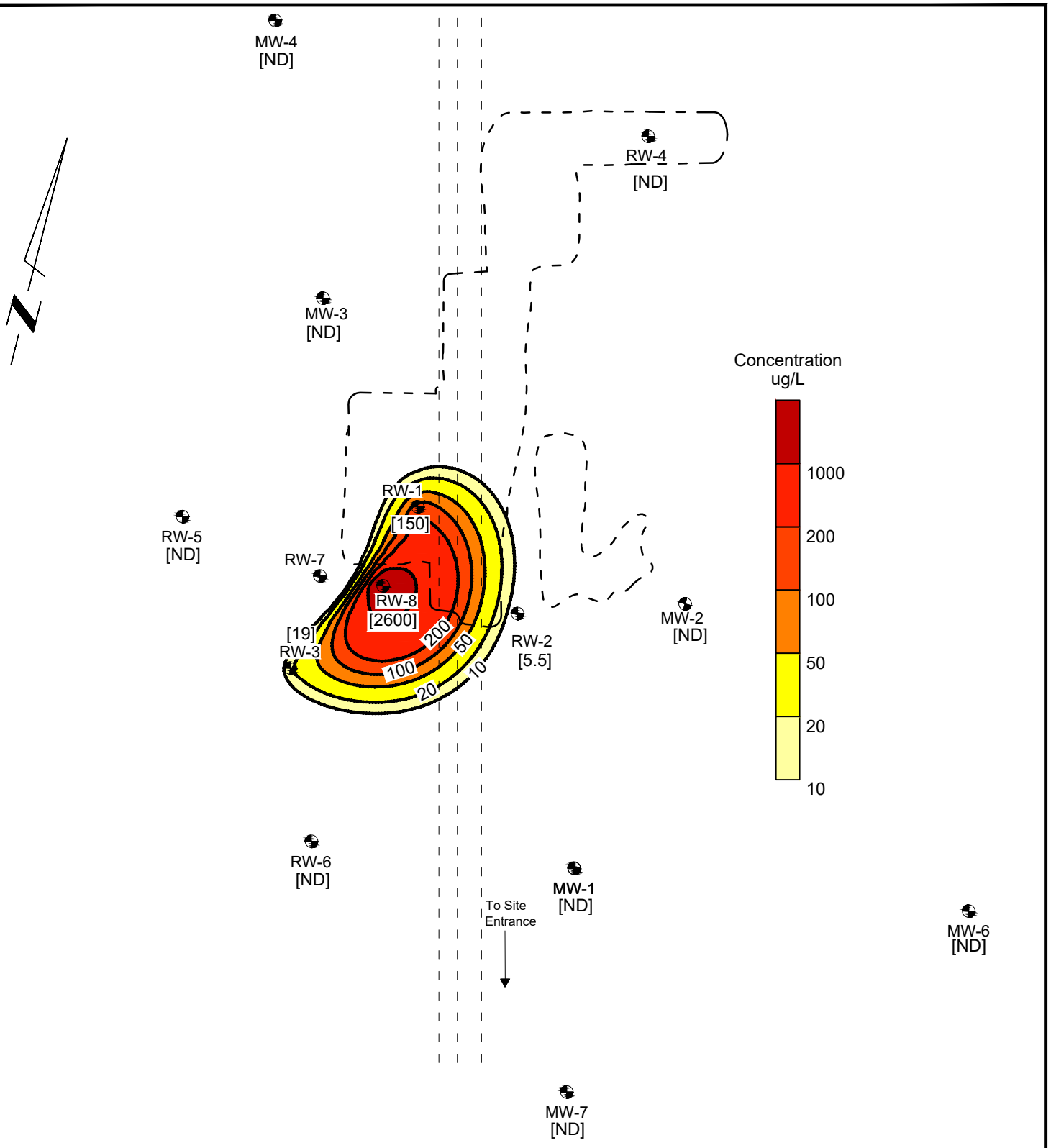
Figure 4D
4TH Quarter 2022 Groundwater Analytical Map
December 9, 2022
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 1/23



LEGEND:

- **MW** - Monitoring Well Location
- **RW** - Recovery Well Location
- [550] - Benzene Concentration in ug/L
- ND - Not Detected

NOTE:
The benzene concentrations presented on this map represent the highest concentration reported in the groundwater samples collected during the quarterly sampling events of 2015.

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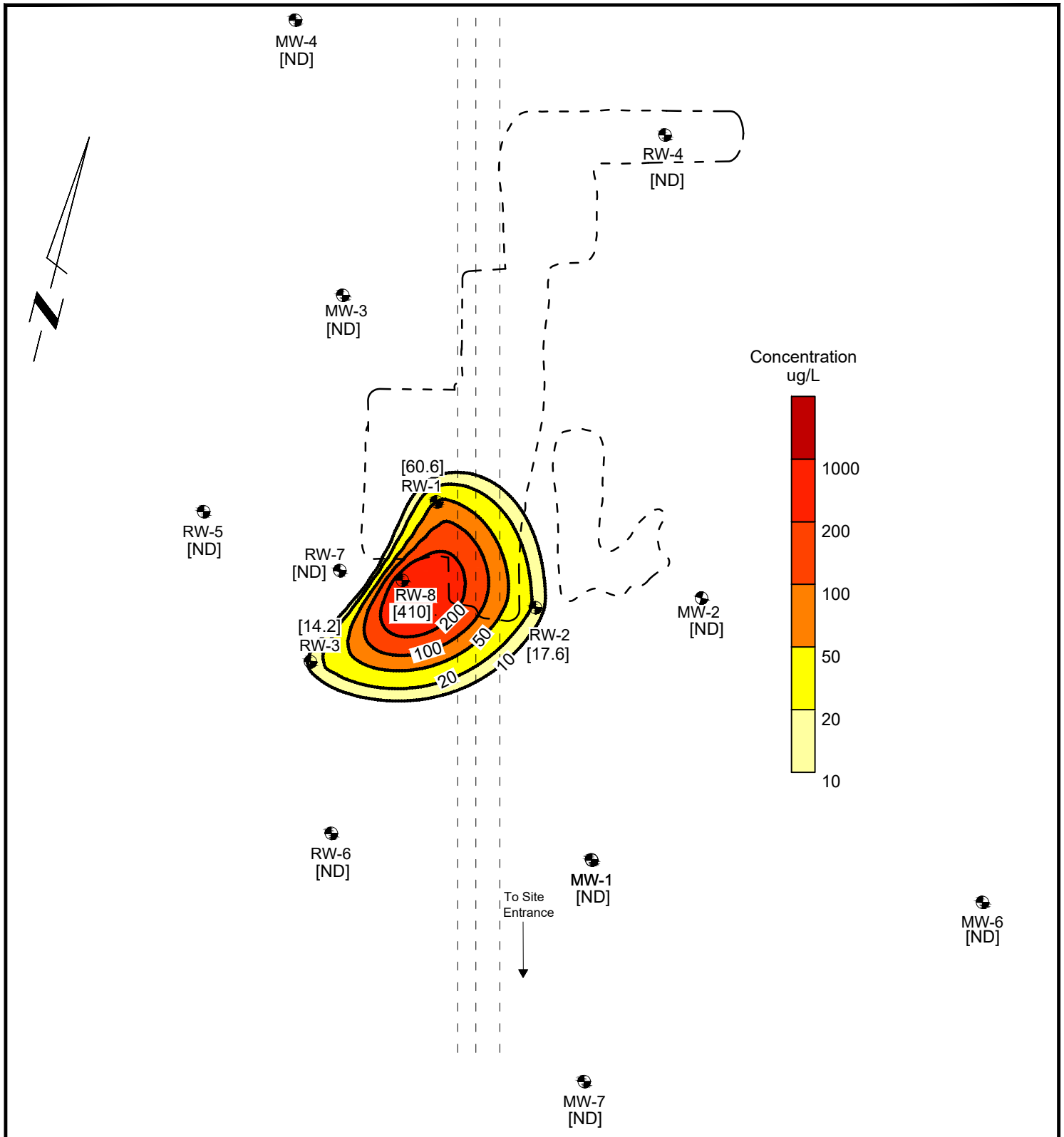
Figure 5
2015 - Benzene Isopleth Map
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 1/21



LEGEND:

- **MW** - Monitoring Well Location
- **RW** - Recovery Well Location
- [550] - Benzene Concentration in ug/L
- ND - Not Detected

NOTE:
The benzene concentrations presented on this map represent the highest concentration reported in the groundwater samples collected during the quarterly sampling events of 2016.

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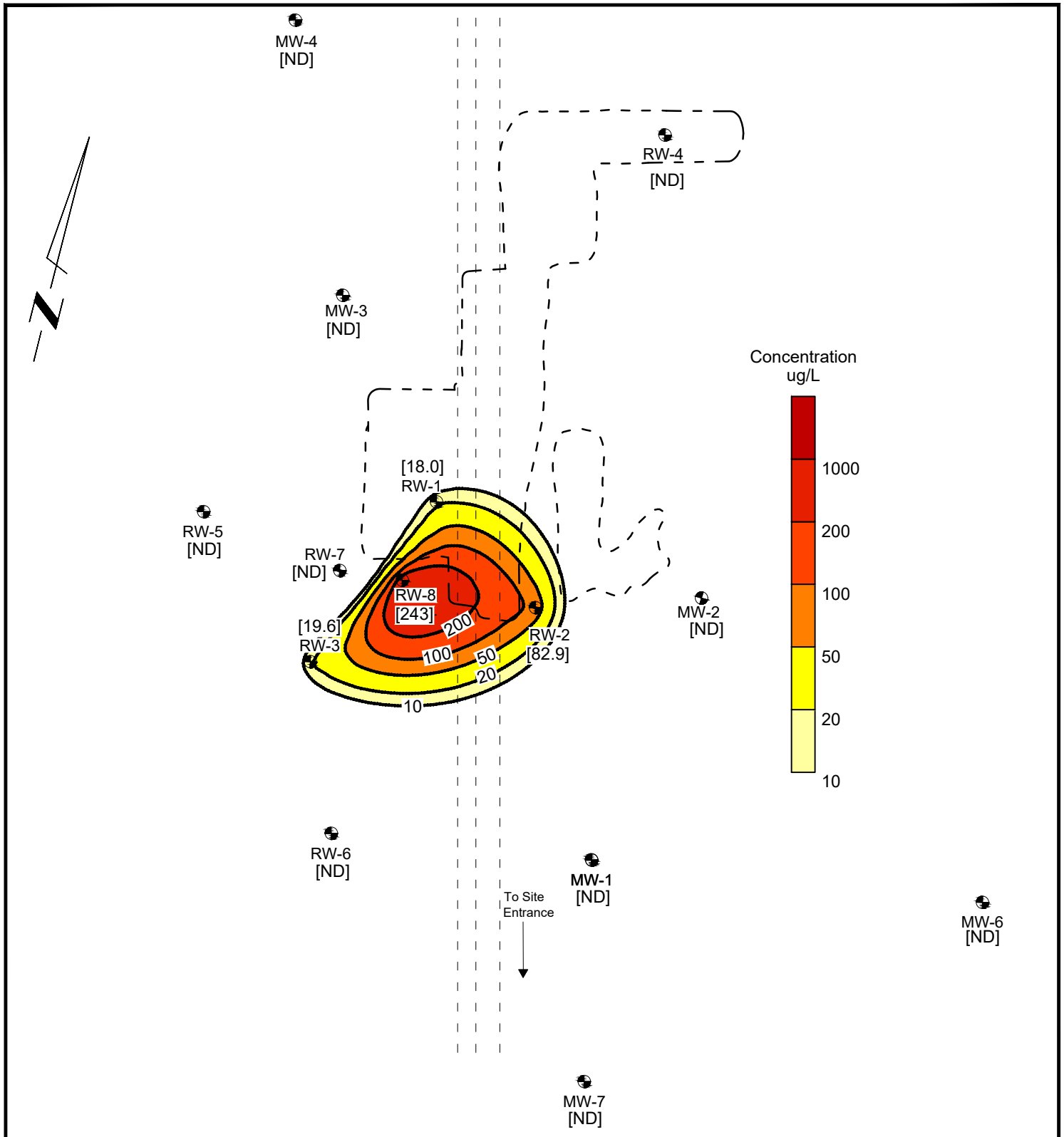
Figure 6
2016 - Benzene Isopleth Map
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 1/21



LEGEND:

- **MW** - Monitoring Well Location
- **RW** - Recovery Well Location
- [550] - Benzene Concentration in ug/L
- ND - Not Detected

NOTE:
The benzene concentrations presented on this map represent the highest concentration reported in the groundwater samples collected during the quarterly sampling events of 2017.

0 60
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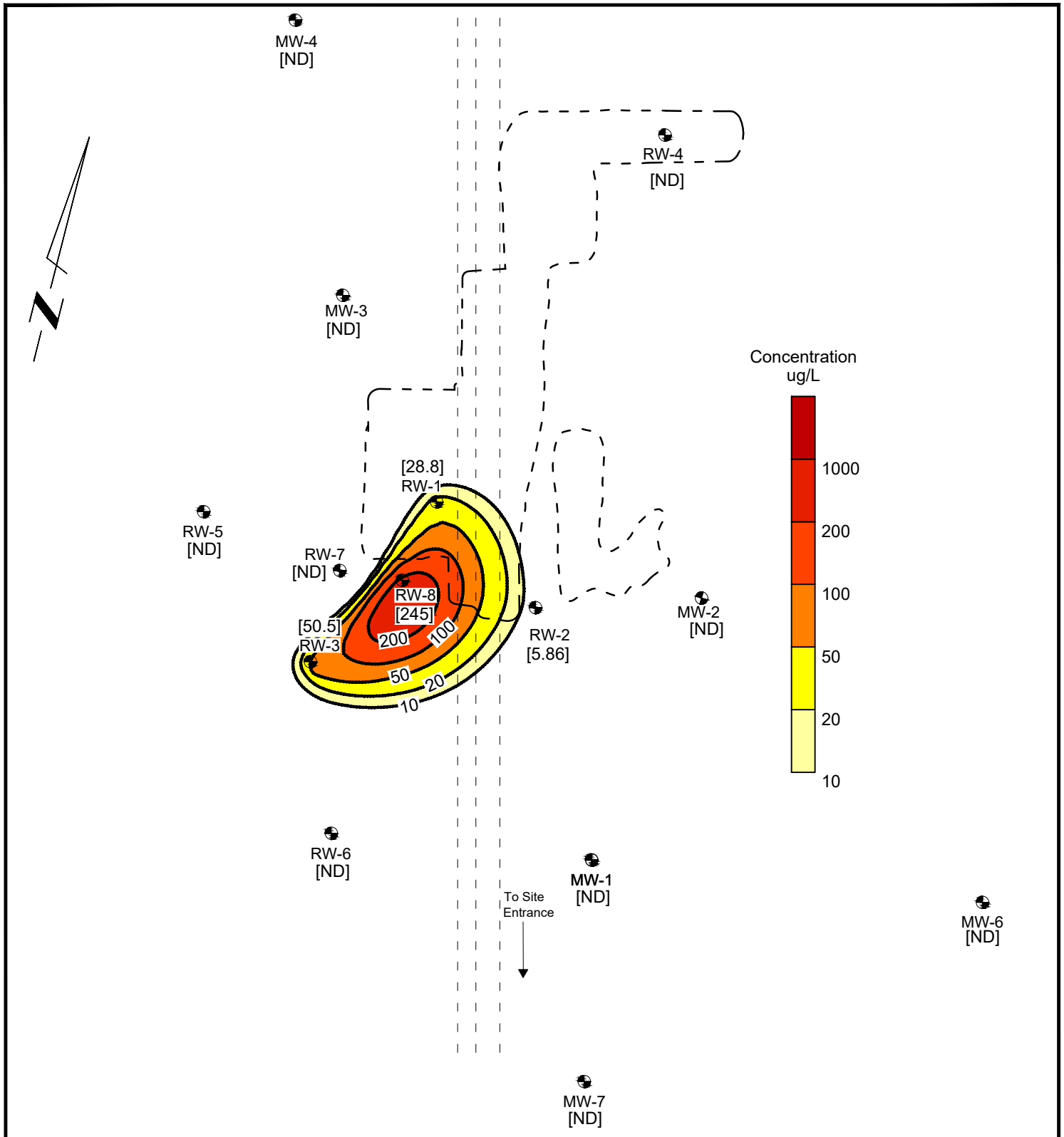
Figure 7
2017 - Benzene Isopleth Map
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 1/21



LEGEND:

- **MW** - Monitoring Well Location
- **RW** - Recovery Well Location
- [550] - Benzene Concentration in ug/L
- ND - Not Detected

NOTE:
The benzene concentrations presented on this map represent the highest concentration reported in the groundwater samples collected during the quarterly sampling events of 2018.

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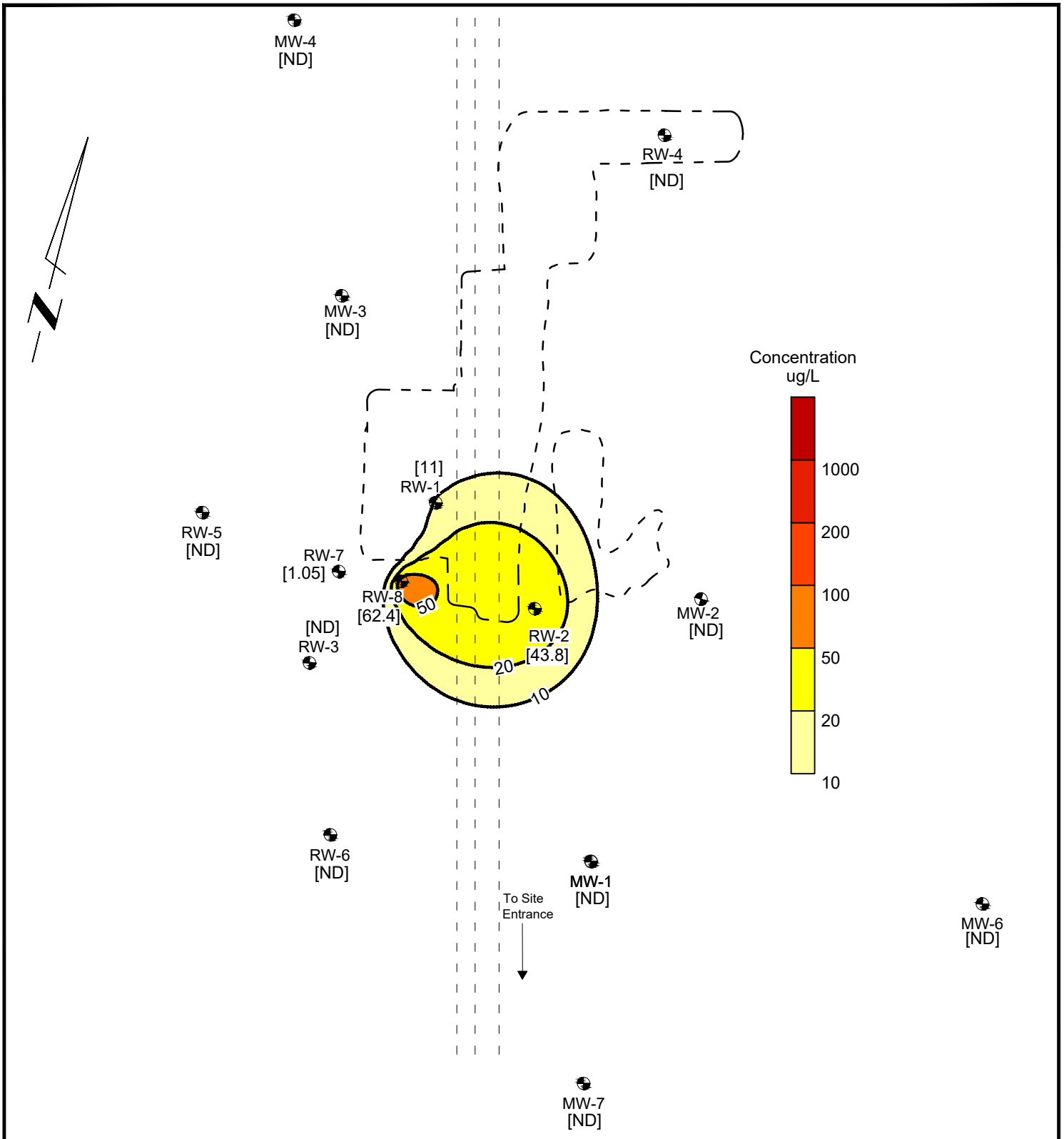
Figure 8
2018 - Benzene Isopleth Map
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 1/21



LEGEND:

- **MW** - Monitoring Well Location
- **RW** - Recovery Well Location
- [550] - Benzene Concentration in ug/L
- ND - Not Detected

NOTE:
The benzene concentrations presented on this map represent the highest concentration reported in the groundwater samples collected during the quarterly sampling events of 2019.

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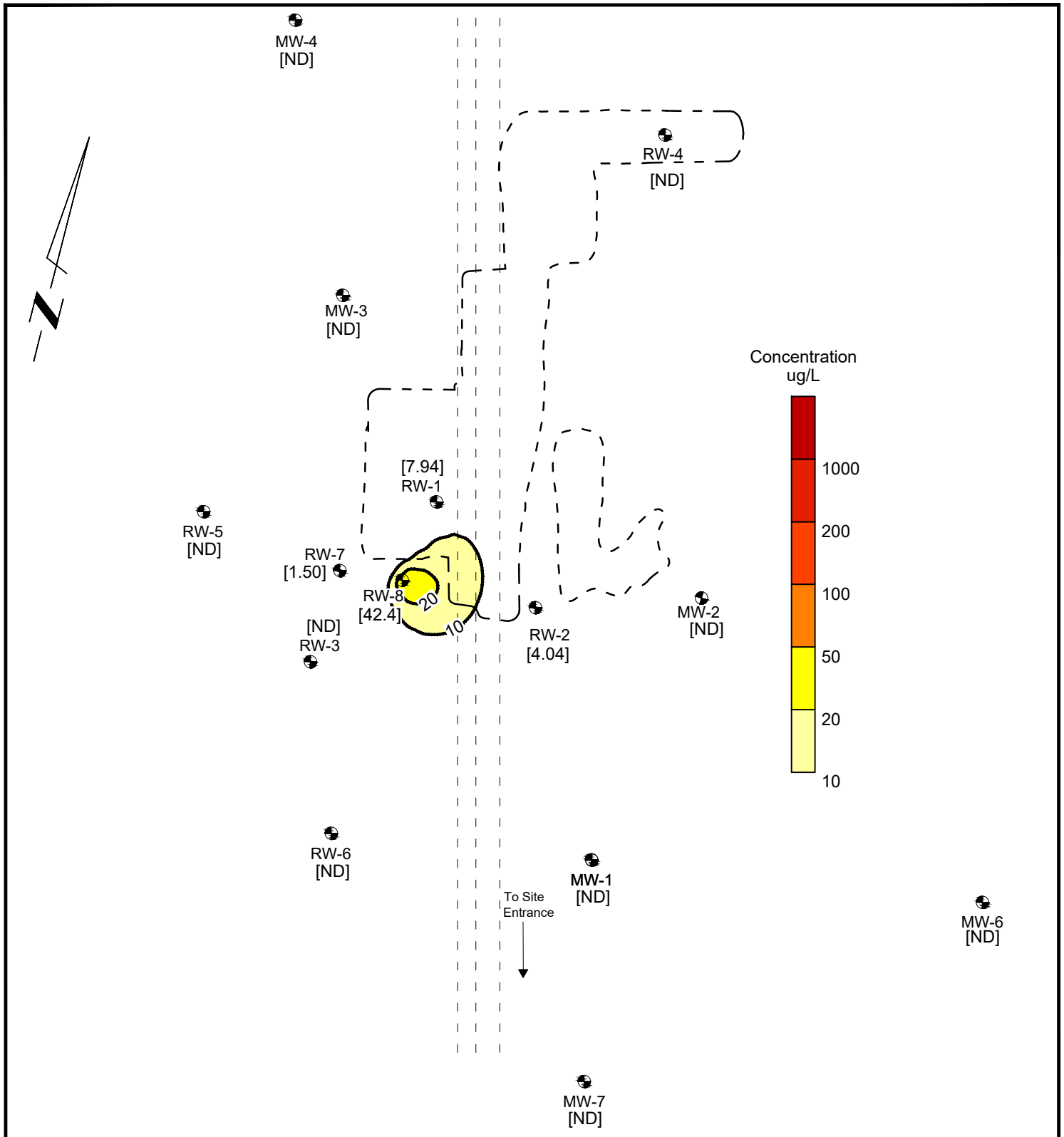
Figure 9
2019 - Benzene Isopleth Map
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 1/21



LEGEND:

- **MW** - Monitoring Well Location
- **RW** - Recovery Well Location
- [550] - Benzene Concentration in ug/L
- ND - Not Detected

NOTE:
The benzene concentrations presented on this map represent the highest concentration reported in the groundwater samples collected during the quarterly sampling events of 2020.

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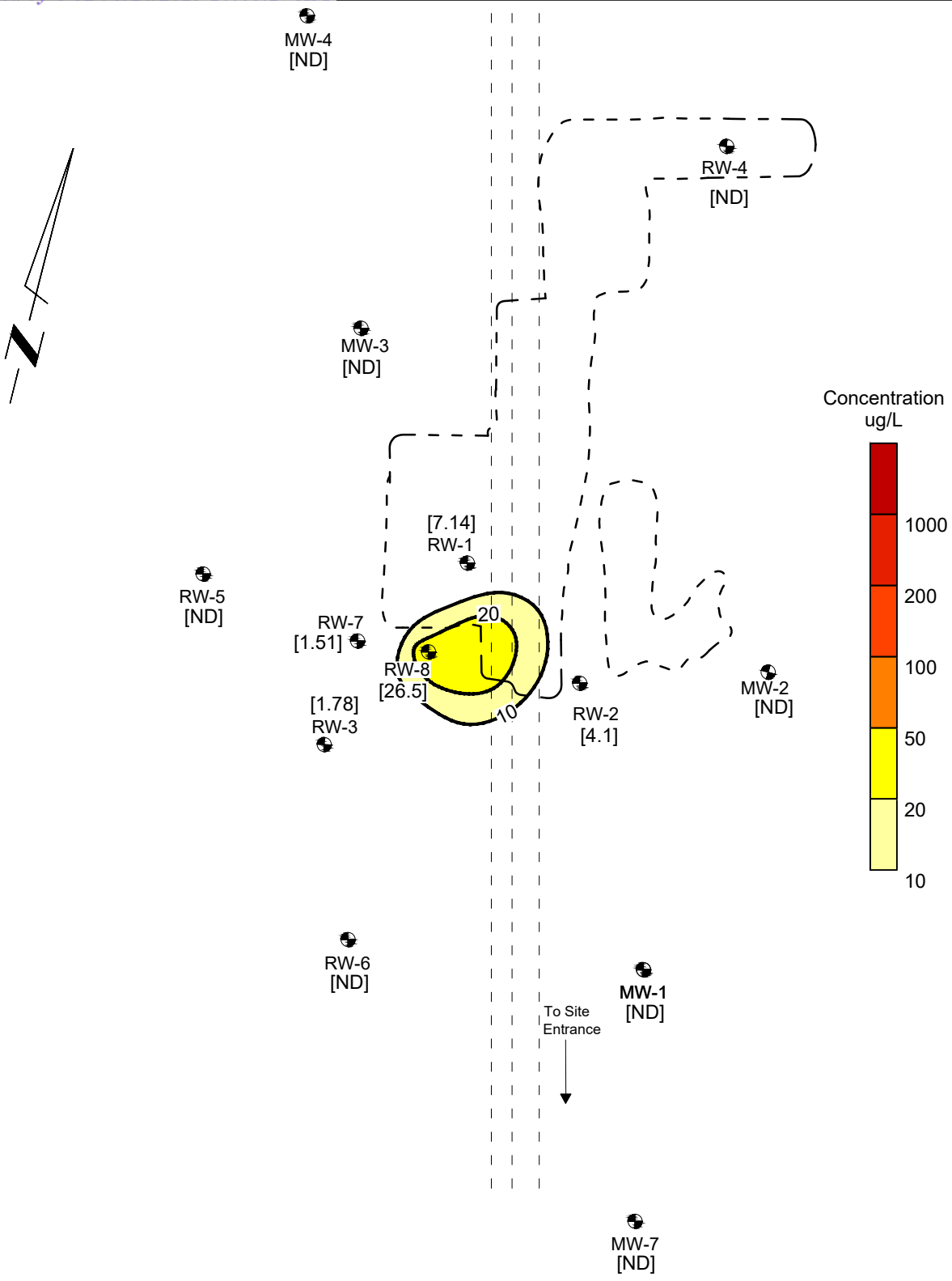
Figure 10
2020 - Benzene Isopleth Map
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 1/21



LEGEND:

MW	- Monitoring Well Location
RW	- Recovery Well Location
[550]	- Benzene Concentration in ug/L
ND	- Not Detected

NOTE:
The benzene concentrations presented on this map represent the highest concentration reported in the groundwater samples collected during the quarterly sampling events of 2021.

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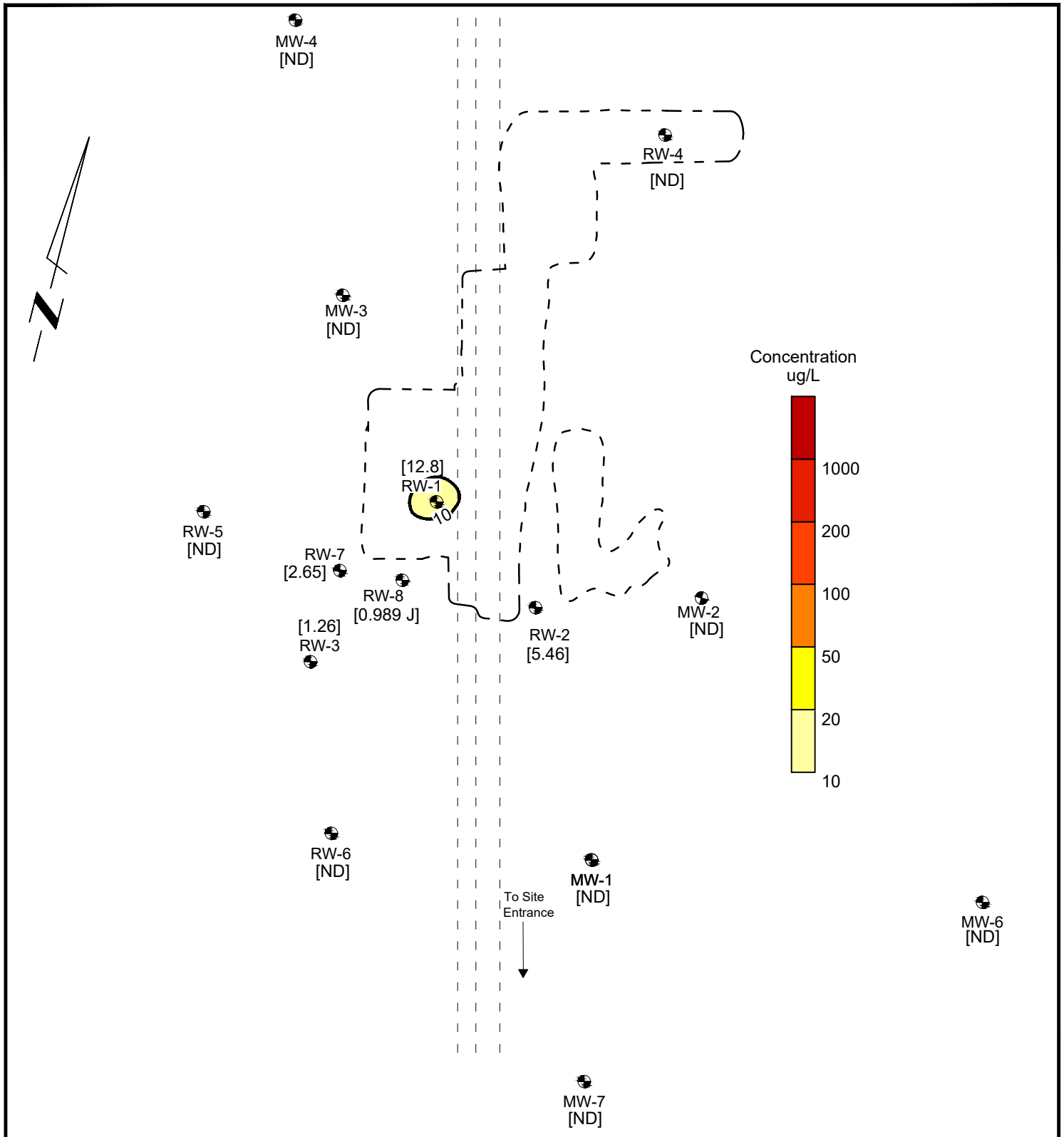
Figure 11
2021 - Benzene Isopleth Map
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 1/22



LEGEND:

MW	- Monitoring Well Location
RW	- Recovery Well Location
[550]	- Benzene Concentration in ug/L
ND	- Not Detected

NOTE:
The benzene concentrations presented on this map represent the highest concentration reported in the groundwater samples collected during the quarterly sampling events of 2022.

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Figure 12
2022 - Benzene Isopleth Map
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 1/23

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Table 6 2022 PSH and Dissolved Phase Groundwater Recovery Data

TABLE 1
2020-2022 Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft MSL)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft MSL)	Comments
								PSH	H_2O		
MW-1	03/17/20	3363.04	63.78	ND	49.88	ND	NA	NA	NA	3313.16	Sampled
MW-1	06/16/20	3363.04	63.78	ND	49.82	ND	NA	NA	NA	3313.22	Sampled
MW-1	09/16/20	3363.04	63.78	ND	49.88	ND	NA	NA	NA	3313.16	Sampled
MW-1	12/22/20	3363.04	63.78	ND	49.80	ND	NA	NA	NA	3313.24	Sampled
MW-1	03/25/21	3363.04	63.78	ND	49.72	ND	NA	NA	NA	3313.32	Sampled
MW-1	06/17/21	3363.04	63.78	ND	49.74	ND	NA	NA	NA	3313.30	Sampled
MW-1	09/15/21	3363.04	63.78	ND	49.79	ND	NA	NA	NA	3313.25	
MW-1	12/16/21	3363.04	63.78	ND	49.71	ND	NA	NA	NA	3313.33	Sampled
MW-1	03/15/22	3363.04	63.78	ND	49.63	ND	NA	NA	NA	3313.41	Sampled
MW-1	06/23/22	3363.04	63.78	ND	49.72	ND	NA	NA	NA	3313.32	Sampled
MW-1	09/28/22	3363.04	63.78	ND	49.90	ND	NA	NA	NA	3313.14	Sampled
MW-1	12/08/22	3363.04	63.78	ND	49.81	ND	NA	NA	NA	3313.23	Sampled
MW-2	03/17/20	3362.11	64.10	ND	48.58	ND	NA	NA	NA	3313.53	Sampled
MW-2	06/16/20	3362.11	64.10	ND	48.54	ND	NA	NA	NA	3313.57	Sampled
MW-2	09/16/20	3362.11	64.10	ND	48.56	ND	NA	NA	NA	3313.55	Sampled
MW-2	12/22/20	3362.11	64.10	ND	48.50	ND	NA	NA	NA	3313.61	Sampled
MW-2	03/25/21	3362.11	64.10	ND	48.41	ND	NA	NA	NA	3313.70	Sampled
MW-2	06/17/21	3362.11	64.10	ND	48.38	ND	NA	NA	NA	3313.73	Sampled
MW-2	09/15/21	3362.11	64.10	ND	48.48	ND	NA	NA	NA	3313.63	
MW-2	12/16/21	3362.11	64.10	ND	48.40	ND	NA	NA	NA	3313.71	Sampled
MW-2	03/15/22	3362.11	64.10	ND	48.32	ND	NA	NA	NA	3313.79	Sampled
MW-2	06/23/22	3362.11	64.10	ND	48.40	ND	NA	NA	NA	3313.71	Sampled
MW-2	09/28/22	3362.11	64.10	ND	48.55	ND	NA	NA	NA	3313.56	Sampled
MW-2	12/08/22	3362.11	64.10	ND	48.52	ND	NA	NA	NA	3313.59	Sampled
MW-3	03/17/20	3362.13	64.72	ND	48.10	ND	NA	NA	NA	3314.03	Sampled
MW-3	06/16/20	3362.13	64.72	ND	48.03	ND	NA	NA	NA	3314.10	Sampled
MW-3	09/16/20	3362.13	64.72	ND	48.09	ND	NA	NA	NA	3314.04	Sampled
MW-3	12/22/20	3362.13	64.72	ND	48.04	ND	NA	NA	NA	3314.09	Sampled
MW-3	03/25/21	3362.13	64.72	ND	47.93	ND	NA	NA	NA	3314.20	Sampled
MW-3	06/17/21	3362.13	64.72	ND	47.90	ND	NA	NA	NA	3314.23	Sampled
MW-3	09/15/21	3362.13	64.72	ND	47.99	ND	NA	NA	NA	3314.14	Sampled
MW-3	12/16/21	3362.13	64.72	ND	47.93	ND	NA	NA	NA	3314.20	Sampled
MW-3	03/15/22	3362.13	64.72	ND	47.85	ND	NA	NA	NA	3314.28	Sampled
MW-3	06/23/22	3362.13	64.72	ND	47.92	ND	NA	NA	NA	3314.21	Sampled
MW-3	09/28/22	3362.13	64.72	ND	48.09	ND	NA	NA	NA	3314.04	Sampled
MW-3	12/08/22	3362.13	64.72	ND	48.05	ND	NA	NA	NA	3314.08	Sampled
MW-4	03/17/20	3362.49	63.48	ND	48.09	ND	NA	NA	NA	3314.40	Sampled
MW-4	06/16/20	3362.49	63.48	ND	48.00	ND	NA	NA	NA	3314.49	Sampled
MW-4	09/16/20	3362.49	63.48	ND	48.05	ND	NA	NA	NA	3314.44	Sampled
MW-4	12/22/20	3362.49	63.48	ND	48.02	ND	NA	NA	NA	3314.47	Sampled
MW-4	03/25/21	3362.49	63.48	ND	47.90	ND	NA	NA	NA	3314.59	Sampled
MW-4	06/17/21	3362.49	63.48	ND	47.92	ND	NA	NA	NA	3314.57	Sampled
MW-4	09/15/21	3362.49	63.48	ND	47.96	ND	NA	NA	NA	3314.53	Sampled
MW-4	12/16/21	3362.49	63.48	ND	47.89	ND	NA	NA	NA	3314.60	Sampled
MW-4	03/15/22	3362.49	63.48	ND	47.83	ND	NA	NA	NA	3314.66	Sampled
MW-4	06/23/22	3362.49	63.48	ND	47.90	ND	NA	NA	NA	3314.59	Sampled
MW-4	09/28/22	3362.49	63.48	ND	48.04	ND	NA	NA	NA	3314.45	Sampled
MW-4	12/08/22	3362.49	63.48	ND	48.02	ND	NA	NA	NA	3314.47	Sampled

TABLE 1
2020-2022 Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft MSL)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft MSL)	Comments
								PSH	H_2O		
MW-5	03/17/20	3363.67	63.81	ND	50.93	ND	NA	NA	NA	3312.74	Sampled
MW-5	06/16/20	3363.67	63.81	ND	50.91	ND	NA	NA	NA	3312.76	Sampled
MW-5	09/16/20	3363.67	63.81	ND	50.94	ND	NA	NA	NA	3312.73	Sampled
MW-5	12/22/20	3363.67	63.81	ND	50.82	ND	NA	NA	NA	3312.85	Sampled
MW-5	03/25/21	3363.67	63.81	ND	50.77	ND	NA	NA	NA	3312.90	Sampled
MW-5	06/17/21	3363.67	63.81	ND	50.75	ND	NA	NA	NA	3312.92	Sampled
MW-5	09/15/21	3363.67	63.81	ND	50.85	ND	NA	NA	NA	3312.82	Sampled
MW-5	12/16/21	3363.67	63.81	ND	50.73	ND	NA	NA	NA	3312.94	Sampled
MW-5	03/15/22	3363.67	63.81	ND	50.70	ND	NA	NA	NA	3312.97	Sampled
MW-5	06/23/22	3363.67	63.81	ND	50.82	ND	NA	NA	NA	3312.85	Sampled
MW-5	09/28/22	3363.67	63.81	ND	49.90	ND	NA	NA	NA	3313.77	Sampled
MW-5	12/08/22	3363.67	63.81	ND	50.88	ND	NA	NA	NA	3312.79	Sampled
MW-6	03/17/20	3362.6	63.50	ND	49.74	ND	NA	NA	NA	3312.86	Sampled
MW-6	06/16/20	3362.6	63.50	ND	49.67	ND	NA	NA	NA	3312.93	Sampled
MW-6	09/16/20	3362.6	63.50	ND	49.72	ND	NA	NA	NA	3312.88	Sampled
MW-6	12/22/20	3362.6	63.50	ND	49.64	ND	NA	NA	NA	3312.96	Sampled
MW-6	03/25/21	3362.6	63.50	ND	49.60	ND	NA	NA	NA	3313.00	Sampled
MW-6	06/17/21	3362.6	63.50	ND	49.55	ND	NA	NA	NA	3313.05	Sampled
MW-6	09/15/21	3362.6	63.50	ND	49.62	ND	NA	NA	NA	3312.98	Sampled
MW-6	12/16/21	3362.6	63.50	ND	49.55	ND	NA	NA	NA	3313.05	Sampled
MW-6	03/15/22	3362.6	63.50	ND	49.48	ND	NA	NA	NA	3313.12	Sampled
MW-6	06/23/22	3362.6	63.50	ND	49.55	ND	NA	NA	NA	3313.05	Sampled
MW-6	09/28/22	3362.6	63.50	ND	49.68	ND	NA	NA	NA	3312.92	Sampled
MW-6	12/08/22	3362.6	63.50	ND	49.63	ND	NA	NA	NA	3312.97	Sampled
MW-7	03/17/20	3362.75	63.75	ND	49.93	ND	NA	NA	NA	3312.82	Sampled
MW-7	06/16/20	3362.75	63.75	ND	49.88	ND	NA	NA	NA	3312.87	Sampled
MW-7	09/16/20	3362.75	63.75	ND	49.93	ND	NA	NA	NA	3312.82	Sampled
MW-7	12/22/20	3362.75	63.75	ND	49.84	ND	NA	NA	NA	3312.91	Sampled
MW-7	03/25/21	3362.75	63.75	ND	49.76	ND	NA	NA	NA	3312.99	Sampled
MW-7	06/17/21	3362.75	63.75	ND	49.77	ND	NA	NA	NA	3312.98	Sampled
MW-7	09/15/21	3362.75	63.75	ND	49.83	ND	NA	NA	NA	3312.92	Sampled
MW-7	12/16/21	3362.75	63.75	ND	49.74	ND	NA	NA	NA	3313.01	Sampled
MW-7	03/15/22	3362.75	63.75	ND	49.70	ND	NA	NA	NA	3313.05	Sampled
MW-7	06/23/22	3362.75	63.75	ND	49.75	ND	NA	NA	NA	3313.00	Sampled
MW-7	09/28/22	3362.75	63.75	ND	49.95	ND	NA	NA	NA	3312.80	Sampled
MW-7	12/08/22	3362.75	63.75	ND	49.85	ND	NA	NA	NA	3312.90	Sampled
RW-1	03/17/20	3362.10	61.65	Sheen	48.59	Sheen	NA	Sheen	10.00	3313.51	
RW-1	06/16/20	3362.10	61.65	Sheen	48.51	Sheen	NA	Sheen	10.00	3313.59	
RW-1	09/16/20	3362.10	61.65	Sheen	48.52	Sheen	NA	Sheen	10.00	3313.58	
RW-1	12/22/20	3362.10	61.65	ND	48.54	ND	NA	Sheen	10.00	3313.56	
RW-1	03/25/21	3362.10	61.65	Sheen	48.41	Sheen	NA	Sheen	10.00	3313.69	
RW-1	06/17/21	3362.10	61.65	Sheen	48.38	Sheen	NA	Sheen	10.00	3313.72	
RW-1	09/15/21	3362.10	61.65	Sheen	48.48	Sheen	NA	Sheen	10.00	3313.62	
RW-1	12/16/21	3362.10	61.65	Sheen	48.42	Sheen	NA	Sheen	10.00	3313.68	
RW-1	03/15/22	3362.10	61.65	ND	48.33	ND	NA	Sheen	10.00	3313.77	
RW-1	06/23/22	3362.10	61.65	Sheen	48.40	Sheen	NA	Sheen	10.00	3313.70	
RW-1	09/28/22	3362.10	61.65	ND	48.60	ND	NA	Sheen	10.00	3313.50	
RW-1	12/08/22	3362.10	61.65	48.52	48.54	0.02	NA	Sheen	10.00	3313.58	

TABLE 1
2020-2022 Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft MSL)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft MSL)	Comments
								PSH	H_2O		
RW-2	03/17/20	3362.00	63.40	48.74	48.85	0.11	NA	0.25	9.75	3313.24	
RW-2	06/16/20	3362.00	63.40	48.68	48.76	0.08	NA	0.25	9.75	3313.31	
RW-2	09/16/20	3362.00	63.40	48.69	48.80	0.11	NA	0.25	9.75	3313.29	
RW-2	12/22/20	3362.00	63.40	48.68	48.75	0.07	NA	0.25	9.75	3313.31	
RW-2	03/25/21	3362.00	63.40	48.58	48.76	0.18	NA	0.25	9.75	3313.39	
RW-2	06/17/21	3362.00	63.40	48.55	49.00	0.45	NA	0.25	9.75	3313.38	
RW-2	09/15/21	3362.00	63.40	48.62	48.66	0.04	NA	0.25	9.75	3313.37	
RW-2	12/16/21	3362.00	63.40	48.56	48.62	0.06	NA	0.25	9.75	3313.43	
RW-2	03/15/22	3362.00	63.40	Sheen	48.50	Sheen	NA	0.25	9.75	3313.50	
RW-2	06/23/22	3362.00	63.40	48.56	48.58	0.02	NA	0.25	9.75	3313.44	
RW-2	09/28/22	3362.00	63.40	48.75	49.20	0.45	NA	0.25	9.75	3313.18	
RW-2	12/08/22	3362.00	63.40	48.65	48.80	0.15	NA	0.25	9.75	3313.33	
RW-3	03/17/20	3361.93	63.80	49.28	49.29	0.01	NA	0.25	9.75	3312.65	
RW-3	06/16/20	3361.93	63.80	sheen	49.21	sheen	NA	0.25	9.75	3312.72	
RW-3	09/16/20	3361.93	63.80	sheen	49.26	sheen	NA	0.25	9.75	3312.67	
RW-3	12/22/20	3361.93	63.80	49.22	49.23	0.01	NA	0.25	9.75	3312.71	
RW-3	03/25/21	3361.93	63.80	sheen	49.10	sheen	NA	0.25	9.75	3312.83	
RW-3	06/17/21	3361.93	63.80	sheen	49.07	sheen	NA	0.25	9.75	3312.86	
RW-3	09/15/21	3361.93	63.80	49.17	49.19	0.02	NA	0.25	9.75	3312.76	
RW-3	12/16/21	3361.93	63.80	49.10	49.11	0.01	NA	0.25	9.75	3312.83	
RW-3	03/15/22	3361.93	63.80	49.02	49.08	0.06	NA	0.25	9.75	3312.90	
RW-3	06/23/22	3361.93	63.80	49.08	49.11	0.03	NA	0.25	9.75	3312.85	
RW-3	09/28/22	3361.93	63.80	ND	49.30	ND	NA	0.25	9.75	3312.63	
RW-3	12/08/22	3361.93	63.80	49.20	49.22	0.02	NA	0.25	9.75	3312.73	
RW-4	03/17/20	3363.22	63.65	ND	49.02	ND	NA	NA	NA	3314.20	Sampled
RW-4	06/16/20	3363.22	63.65	ND	48.94	ND	NA	NA	NA	3314.28	Sampled
RW-4	09/16/20	3363.22	63.65	ND	49.00	ND	NA	NA	NA	3314.22	Sampled
RW-4	12/22/20	3363.22	63.65	ND	48.95	ND	NA	NA	NA	3314.27	Sampled
RW-4	03/25/21	3363.22	63.65	ND	48.84	ND	NA	NA	NA	3314.38	Sampled
RW-4	06/17/21	3363.22	63.65	ND	48.81	ND	NA	NA	NA	3314.41	Sampled
RW-4	09/15/21	3363.22	63.65	ND	48.90	ND	NA	NA	NA	3314.32	Sampled
RW-4	12/16/21	3363.22	63.65	ND	48.82	ND	NA	NA	NA	3314.40	Sampled
RW-4	03/15/22	3363.22	63.65	ND	48.77	ND	NA	NA	NA	3314.45	Sampled
RW-4	06/23/22	3363.22	63.65	ND	48.60	ND	NA	NA	NA	3314.62	Sampled
RW-4	09/28/22	3363.22	63.65	ND	48.98	ND	NA	NA	NA	3314.24	Sampled
RW-4	12/08/22	3363.22	63.65	ND	48.95	ND	NA	NA	NA	3314.27	Sampled
RW-5	03/17/20	3362.38	64.07	ND	48.66	ND	NA	NA	NA	3313.72	Sampled
RW-5	06/16/20	3362.38	64.07	ND	48.60	ND	NA	NA	NA	3313.78	Sampled
RW-5	09/16/20	3362.38	64.07	ND	48.65	ND	NA	NA	NA	3313.73	Sampled
RW-5	12/22/20	3362.38	64.07	ND	48.60	ND	NA	NA	NA	3313.78	Sampled
RW-5	03/25/21	3362.38	64.07	ND	48.48	ND	NA	NA	NA	3313.90	Sampled
RW-5	06/17/21	3362.38	64.07	ND	48.44	ND	NA	NA	NA	3313.94	Sampled
RW-5	09/15/21	3362.38	64.07	ND	48.54	ND	NA	NA	NA	3313.84	Sampled
RW-5	12/16/21	3362.38	64.07	ND	48.45	ND	NA	NA	NA	3313.93	Sampled
RW-5	03/15/22	3362.38	64.07	ND	48.42	ND	NA	NA	NA	3313.96	Sampled
RW-5	06/23/22	3362.38	64.07	ND	48.48	ND	NA	NA	NA	3313.90	Sampled
RW-5	09/28/22	3362.38	64.07	ND	48.63	ND	NA	NA	NA	3313.75	Sampled
RW-5	12/08/22	3362.38	64.07	ND	40.60	ND	NA	NA	NA	3321.78	Sampled

TABLE 1
2020-2022 Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft MSL)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft MSL)	Comments
								PSH	H_2O		
RW-6	03/17/20	3363.11	64.27	ND	49.92	ND	NA	NA	NA	3313.19	Sampled
RW-6	06/16/20	3363.11	64.27	ND	49.88	ND	NA	NA	NA	3313.23	Sampled
RW-6	09/16/20	3363.11	64.27	ND	49.95	ND	NA	NA	NA	3313.16	Sampled
RW-6	12/22/20	3363.11	64.27	ND	49.96	ND	NA	NA	NA	3313.15	Sampled
RW-6	03/25/21	3363.11	64.27	ND	49.76	ND	NA	NA	NA	3313.35	Sampled
RW-6	06/17/21	3363.11	64.27	ND	49.75	ND	NA	NA	NA	3313.36	Sampled
RW-6	09/15/21	3363.11	64.27	ND	49.85	ND	NA	NA	NA	3313.26	Sampled
RW-6	12/16/21	3363.11	64.27	ND	49.75	ND	NA	NA	NA	3313.36	Sampled
RW-6	03/15/22	3363.11	64.27	ND	49.70	ND	NA	NA	NA	3313.41	Sampled
RW-6	06/23/22	3363.11	64.27	ND	49.76	ND	NA	NA	NA	3313.35	Sampled
RW-6	09/28/22	3363.11	64.27	ND	49.46	ND	NA	NA	NA	3313.65	Sampled
RW-6	12/08/22	3363.11	64.27	ND	49.87	ND	NA	NA	NA	3313.24	Sampled
RW-7	03/17/20	3362.52	68.56	ND	48.62	ND	NA	NA	NA	3313.90	Sampled
RW-7	06/16/20	3362.52	68.56	ND	48.56	ND	NA	NA	NA	3313.96	Sampled
RW-7	09/16/20	3362.52	68.56	ND	48.61	ND	NA	NA	NA	3313.91	Sampled
RW-7	12/22/20	3362.52	68.56	ND	48.58	ND	NA	NA	NA	3313.94	Sampled
RW-7	03/25/21	3362.52	68.56	ND	48.45	ND	NA	NA	NA	3314.07	Sampled
RW-7	06/17/21	3362.52	68.56	ND	48.42	ND	NA	NA	NA	3314.10	Sampled
RW-7	09/15/21	3362.52	68.56	ND	48.50	ND	NA	NA	NA	3314.02	Sampled
RW-7	03/15/22	3362.52	68.56	ND	48.36	ND	NA	NA	NA	3314.16	Sampled
RW-7	12/16/21	3362.52	68.56	ND	48.41	ND	NA	NA	NA	3314.11	Sampled
RW-7	06/23/22	3362.52	68.56	ND	48.45	ND	NA	NA	NA	3314.07	Sampled
RW-7	09/28/22	3362.52	68.56	ND	48.62	ND	NA	NA	NA	3313.90	Sampled
RW-7	12/08/22	3362.52	68.56	ND	48.55	ND	NA	NA	NA	3313.97	Sampled
RW-8	03/17/20	3362.52	68.34	49.23	49.24	0.01	NA	2.00	23.00	3313.29	
RW-8	06/16/20	3362.52	68.34	sheen	49.20	sheen	NA	2.00	23.00	3313.32	Sampled
RW-8	09/16/20	3362.52	68.34	49.15	49.22	0.07	NA	2.00	23.00	3313.36	
RW-8	12/22/20	3362.52	68.34	49.18	50.00	0.82	NA	2.00	23.00	3313.22	
RW-8	03/25/21	3362.52	68.34	49.06	49.31	0.25	NA	2.00	18.00	3313.42	
RW-8	06/17/21	3362.52	68.34	49.05	49.15	0.10	NA	2.00	23.00	3313.46	Sampled
RW-8	09/15/21	3362.52	68.34	49.14	49.18	0.04	NA	2.00	23.00	3313.37	
RW-8	12/16/21	3362.52	68.34	sheen	49.09	sheen	NA	2.00	23.00	3313.43	Sampled
RW-8	03/15/22	3362.52	68.34	49.00	49.03	0.03	NA	2.00	23.00	3313.52	Sampled
RW-8	06/23/22	3362.52	68.34	48.91	49.08	0.17	NA	2.00	23.00	3313.58	Sampled
RW-8	09/28/22	3362.52	68.34	49.22	49.28	0.06	NA	2.00	23.00	3313.29	Sampled
RW-8	12/08/22	3362.52	68.34	49.16	49.21	0.05	NA	2.00	23.00	3313.35	

NA: Not applicable
ND: Not detected
ft - feet
MSL - mean sea level

TABLE 2
Historical Well Survey Data and Groundwater Elevations
2018-2022
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
MW-1	03/06/18	3363.04	63.78	ND	50.68	ND	NA	NA	NA	3312.36	Sampled
MW-1	06/12/18	3363.04	63.78	ND	50.54	ND	NA	NA	NA	3312.50	Sampled
MW-1	09/05/18	3363.04	63.78	ND	50.53	ND	NA	NA	NA	3312.51	Sampled
MW-1	11/27/18	3363.04	63.78	ND	50.41	ND	NA	NA	NA	3312.63	Sampled
MW-1	02/12/19	3363.04	63.78	ND	50.35	ND	NA	NA	NA	3312.69	Sampled
MW-1	05/08/19	3363.04	63.78	ND	50.11	ND	NA	NA	NA	3312.93	Sampled
MW-1	08/21/19	3363.04	63.78	ND	50.12	ND	NA	NA	NA	3312.92	Sampled
MW-1	11/05/19	3363.04	63.78	ND	50.08	ND	NA	NA	NA	3312.96	Sampled
MW-1	03/17/20	3363.04	63.78	ND	49.88	ND	NA	NA	NA	3313.16	Sampled
MW-1	06/16/20	3363.04	63.78	ND	49.82	ND	NA	NA	NA	3313.22	Sampled
MW-1	09/16/20	3363.04	63.78	ND	49.88	ND	NA	NA	NA	3313.16	Sampled
MW-1	12/22/20	3363.04	63.78	ND	49.80	ND	NA	NA	NA	3313.24	Sampled
MW-1	03/25/21	3363.04	63.78	ND	49.72	ND	NA	NA	NA	3313.32	Sampled
MW-1	06/17/21	3363.04	63.78	ND	49.74	ND	NA	NA	NA	3313.30	Sampled
MW-1	09/15/21	3363.04	63.78	ND	49.79	ND	NA	NA	NA	3313.25	Sampled
MW-1	12/16/21	3363.04	63.78	ND	49.71	ND	NA	NA	NA	3313.33	Sampled
MW-1	03/15/22	3363.04	63.78	ND	49.63	ND	NA	NA	NA	3313.41	Sampled
MW-1	06/23/22	3363.04	63.78	ND	49.72	ND	NA	NA	NA	3313.32	Sampled
MW-1	09/28/22	3363.04	63.78	ND	49.90	ND	NA	NA	NA	3313.14	Sampled
MW-1	12/08/22	3363.04	63.78	ND	49.81	ND	NA	NA	NA	3313.23	Sampled
MW-2	03/06/18	3362.11	64.10	ND	49.40	ND	NA	NA	NA	3312.71	Sampled
MW-2	06/12/18	3362.11	64.10	ND	49.26	ND	NA	NA	NA	3312.85	Sampled
MW-2	09/05/18	3362.11	64.10	ND	49.22	ND	NA	NA	NA	3312.89	Sampled
MW-2	11/27/18	3362.11	64.10	ND	49.26	ND	NA	NA	NA	3312.85	Sampled
MW-2	02/12/19	3362.11	64.10	ND	49.03	ND	NA	NA	NA	3313.08	Sampled
MW-2	05/08/19	3362.11	64.10	ND	48.80	ND	NA	NA	NA	3313.31	Sampled
MW-2	08/21/19	3362.11	64.10	ND	48.80	ND	NA	NA	NA	3313.31	Sampled
MW-2	11/05/19	3362.11	64.10	ND	48.78	ND	NA	NA	NA	3313.33	Sampled
MW-2	03/17/20	3362.11	64.10	ND	48.58	ND	NA	NA	NA	3313.53	Sampled
MW-2	06/16/20	3362.11	64.10	ND	48.54	ND	NA	NA	NA	3313.57	Sampled
MW-2	09/16/20	3362.11	64.10	ND	48.56	ND	NA	NA	NA	3313.55	Sampled
MW-2	12/22/20	3362.11	64.10	ND	48.50	ND	NA	NA	NA	3313.61	Sampled
MW-2	03/25/21	3362.11	64.10	ND	48.41	ND	NA	NA	NA	3313.70	Sampled
MW-2	06/17/21	3362.11	64.10	ND	48.38	ND	NA	NA	NA	3313.73	Sampled
MW-2	09/15/21	3362.11	64.10	ND	48.48	ND	NA	NA	NA	3313.63	Sampled
MW-2	12/16/21	3362.11	64.10	ND	48.40	ND	NA	NA	NA	3313.71	Sampled
MW-2	03/15/22	3362.11	64.10	ND	48.32	ND	NA	NA	NA	3313.79	Sampled
MW-2	06/23/22	3362.11	64.10	ND	48.40	ND	NA	NA	NA	3313.71	Sampled

TABLE 2
Historical Well Survey Data and Groundwater Elevations
2018-2022
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
MW-2	09/28/22	3362.11	64.10	ND	48.55	ND	NA	NA	NA	3313.56	Sampled
MW-2	12/08/22	3362.11	64.10	ND	48.52	ND	NA	NA	NA	3313.59	Sampled
MW-3	03/06/18	3362.13	64.72	ND	48.94	ND	NA	NA	NA	3313.19	Sampled
MW-3	06/12/18	3362.13	64.72	ND	48.78	ND	NA	NA	NA	3313.35	Sampled
MW-3	09/05/18	3362.13	64.72	ND	48.75	ND	NA	NA	NA	3313.38	Sampled
MW-3	11/27/18	3362.13	64.72	ND	48.64	ND	NA	NA	NA	3313.49	Sampled
MW-3	02/12/19	3362.13	64.72	ND	48.55	ND	NA	NA	NA	3313.58	Sampled
MW-3	05/08/19	3362.13	64.72	ND	48.32	ND	NA	NA	NA	3313.81	Sampled
MW-3	08/21/19	3362.13	64.72	ND	48.32	ND	NA	NA	NA	3313.81	Sampled
MW-3	11/05/19	3362.13	64.72	ND	48.28	ND	NA	NA	NA	3313.85	Sampled
MW-3	03/17/20	3362.13	64.72	ND	48.10	ND	NA	NA	NA	3314.03	Sampled
MW-3	06/16/20	3362.13	64.72	ND	48.03	ND	NA	NA	NA	3314.10	Sampled
MW-3	09/16/20	3362.13	64.72	ND	48.09	ND	NA	NA	NA	3314.04	Sampled
MW-3	12/22/20	3362.13	64.72	ND	48.04	ND	NA	NA	NA	3314.09	Sampled
MW-3	03/25/21	3362.13	64.72	ND	47.93	ND	NA	NA	NA	3314.20	Sampled
MW-3	06/17/21	3362.13	64.72	ND	47.90	ND	NA	NA	NA	3314.23	Sampled
MW-3	09/15/21	3362.13	64.72	ND	47.99	ND	NA	NA	NA	3314.14	Sampled
MW-3	12/16/21	3362.13	64.72	ND	47.93	ND	NA	NA	NA	3314.20	Sampled
MW-3	03/15/22	3362.13	64.72	ND	47.85	ND	NA	NA	NA	3314.28	Sampled
MW-3	06/23/22	3362.13	64.72	ND	47.92	ND	NA	NA	NA	3314.21	Sampled
MW-3	09/28/22	3362.13	64.72	ND	48.09	ND	NA	NA	NA	3314.04	Sampled
MW-3	12/08/22	3362.13	64.72	ND	48.05	ND	NA	NA	NA	3314.08	Sampled
MW-4	03/06/18	3362.49	63.48	ND	48.92	ND	NA	NA	NA	3313.57	Sampled
MW-4	06/12/18	3362.49	63.48	ND	48.74	ND	NA	NA	NA	3313.75	Sampled
MW-4	09/05/18	3362.49	63.48	ND	48.71	ND	NA	NA	NA	3313.78	Sampled
MW-4	11/27/18	3362.49	63.48	ND	48.60	ND	NA	NA	NA	3313.89	Sampled
MW-4	02/12/19	3362.49	63.48	ND	48.64	ND	NA	NA	NA	3313.85	Sampled
MW-4	05/08/19	3362.49	63.48	ND	48.29	ND	NA	NA	NA	3314.20	Sampled
MW-4	08/21/19	3362.49	63.48	ND	48.28	ND	NA	NA	NA	3314.21	Sampled
MW-4	11/05/19	3362.49	63.48	ND	48.25	ND	NA	NA	NA	3314.24	Sampled
MW-4	03/17/20	3362.49	63.48	ND	48.09	ND	NA	NA	NA	3314.40	Sampled
MW-4	06/16/20	3362.49	63.48	ND	48.00	ND	NA	NA	NA	3314.49	Sampled
MW-4	09/16/20	3362.49	63.48	ND	48.05	ND	NA	NA	NA	3314.44	Sampled
MW-4	12/22/20	3362.49	63.48	ND	48.02	ND	NA	NA	NA	3314.47	Sampled
MW-4	03/25/21	3362.49	63.48	ND	47.90	ND	NA	NA	NA	3314.59	Sampled
MW-4	06/17/21	3362.49	63.48	ND	47.92	ND	NA	NA	NA	3314.57	Sampled
MW-4	09/15/21	3362.49	63.48	ND	47.96	ND	NA	NA	NA	3314.53	Sampled

TABLE 2
Historical Well Survey Data and Groundwater Elevations
2018-2022
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
MW-4	12/16/21	3362.49	63.48	ND	47.89	ND	NA	NA	NA	3314.60	Sampled
MW-4	03/15/22	3362.49	63.48	ND	47.83	ND	NA	NA	NA	3314.66	Sampled
MW-4	06/23/22	3362.49	63.48	ND	47.90	ND	NA	NA	NA	3314.59	Sampled
MW-4	09/28/22	3362.49	63.48	ND	48.04	ND	NA	NA	NA	3314.45	Sampled
MW-4	12/08/22	3362.49	63.48	ND	48.02	ND	NA	NA	NA	3314.47	Sampled
MW-5	03/06/18	3363.67	63.81	ND	51.70	ND	NA	NA	NA	3311.97	Sampled
MW-5	06/12/18	3363.67	63.81	ND	51.58	ND	NA	NA	NA	3312.09	Sampled
MW-5	09/05/18	3363.67	63.81	ND	51.56	ND	NA	NA	NA	3312.11	Sampled
MW-5	11/27/18	3363.67	63.81	ND	51.47	ND	NA	NA	NA	3312.20	Sampled
MW-5	02/13/19	3363.67	63.81	ND	51.40	ND	NA	NA	NA	3312.27	Sampled
MW-5	05/08/19	3363.67	63.81	ND	51.12	ND	NA	NA	NA	3312.55	Sampled
MW-5	08/21/19	3363.67	63.81	ND	51.16	ND	NA	NA	NA	3312.51	Sampled
MW-5	11/05/19	3363.67	63.81	ND	51.12	ND	NA	NA	NA	3312.55	Sampled
MW-5	03/17/20	3363.67	63.81	ND	50.93	ND	NA	NA	NA	3312.74	Sampled
MW-5	06/16/20	3363.67	63.81	ND	50.91	ND	NA	NA	NA	3312.76	Sampled
MW-5	09/16/20	3363.67	63.81	ND	50.94	ND	NA	NA	NA	3312.73	Sampled
MW-5	12/22/20	3363.67	63.81	ND	50.82	ND	NA	NA	NA	3312.85	Sampled
MW-5	03/25/21	3363.67	63.81	ND	50.77	ND	NA	NA	NA	3312.90	Sampled
MW-5	06/17/21	3363.67	63.81	ND	50.75	ND	NA	NA	NA	3312.92	Sampled
MW-5	09/15/21	3363.67	63.81	ND	50.85	ND	NA	NA	NA	3312.82	Sampled
MW-5	12/16/21	3363.67	63.81	ND	50.73	ND	NA	NA	NA	3312.94	Sampled
MW-5	03/15/22	3363.67	63.81	ND	50.70	ND	NA	NA	NA	3312.97	Sampled
MW-5	06/23/22	3363.67	63.81	ND	50.82	ND	NA	NA	NA	3312.85	Sampled
MW-5	09/28/22	3363.67	63.81	ND	49.90	ND	NA	NA	NA	3313.77	Sampled
MW-5	12/08/22	3363.67	63.81	ND	50.88	ND	NA	NA	NA	3312.79	Sampled
MW-6	03/06/18	3362.6	63.50	ND	50.54	ND	NA	NA	NA	3312.06	Sampled
MW-6	06/12/18	3362.6	63.50	ND	50.41	ND	NA	NA	NA	3312.19	Sampled
MW-6	09/05/18	3362.6	63.50	ND	50.39	ND	NA	NA	NA	3312.21	Sampled
MW-6	11/27/18	3362.6	63.50	ND	50.22	ND	NA	NA	NA	3312.38	Sampled
MW-6	02/12/19	3362.6	63.50	ND	50.15	ND	NA	NA	NA	3312.45	Sampled
MW-6	05/08/19	3362.6	63.50	ND	49.95	ND	NA	NA	NA	3312.65	Sampled
MW-6	08/21/19	3362.6	63.50	ND	49.95	ND	NA	NA	NA	3312.65	Sampled
MW-6	11/05/19	3362.6	63.50	ND	49.96	ND	NA	NA	NA	3312.64	Sampled
MW-6	03/17/20	3362.6	63.50	ND	49.74	ND	NA	NA	NA	3312.86	Sampled
MW-6	06/16/20	3362.6	63.50	ND	49.67	ND	NA	NA	NA	3312.93	Sampled
MW-6	09/16/20	3362.6	63.50	ND	49.72	ND	NA	NA	NA	3312.88	Sampled
MW-6	12/22/20	3362.6	63.50	ND	49.64	ND	NA	NA	NA	3312.96	Sampled

TABLE 2
Historical Well Survey Data and Groundwater Elevations
2018-2022
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
MW-6	03/25/21	3362.6	63.50	ND	49.60	ND	NA	NA	NA	3313.00	Sampled
MW-6	06/17/21	3362.6	63.50	ND	49.55	ND	NA	NA	NA	3313.05	Sampled
MW-6	09/15/21	3362.6	63.50	ND	49.62	ND	NA	NA	NA	3312.98	Sampled
MW-6	12/16/21	3362.6	63.50	ND	49.55	ND	NA	NA	NA	3313.05	Sampled
MW-6	03/15/22	3362.6	63.50	ND	49.48	ND	NA	NA	NA	3313.12	Sampled
MW-6	06/23/22	3362.6	63.50	ND	49.55	ND	NA	NA	NA	3313.05	Sampled
MW-6	09/28/22	3362.6	63.50	ND	49.68	ND	NA	NA	NA	3312.92	Sampled
MW-6	12/08/22	3362.6	63.50	ND	49.63	ND	NA	NA	NA	3312.97	Sampled
MW-7	03/06/18	3362.75	63.75	ND	50.71	ND	NA	NA	NA	3312.04	Sampled
MW-7	06/12/18	3362.75	63.75	ND	50.58	ND	NA	NA	NA	3312.17	
MW-7	09/05/18	3362.75	63.75	ND	50.58	ND	NA	NA	NA	3312.17	Sampled
MW-7	11/27/18	3362.75	63.75	ND	50.45	ND	NA	NA	NA	3312.30	Sampled
MW-7	02/12/19	3362.75	63.75	ND	50.39	ND	NA	NA	NA	3312.36	Sampled
MW-7	05/08/19	3362.75	63.75	ND	50.13	ND	NA	NA	NA	3312.62	Sampled
MW-7	08/21/19	3362.75	63.75	ND	50.16	ND	NA	NA	NA	3312.59	Sampled
MW-7	11/05/19	3362.75	63.75	ND	50.12	ND	NA	NA	NA	3312.63	Sampled
MW-7	03/17/20	3362.75	63.75	ND	49.93	ND	NA	NA	NA	3312.82	Sampled
MW-7	06/16/20	3362.75	63.75	ND	49.88	ND	NA	NA	NA	3312.87	Sampled
MW-7	09/16/20	3362.75	63.75	ND	49.93	ND	NA	NA	NA	3312.82	Sampled
MW-7	12/22/20	3362.75	63.75	ND	49.84	ND	NA	NA	NA	3312.91	Sampled
MW-7	03/25/21	3362.75	63.75	ND	49.76	ND	NA	NA	NA	3312.99	Sampled
MW-7	06/17/21	3362.75	63.75	ND	49.77	ND	NA	NA	NA	3312.98	Sampled
MW-7	09/15/21	3362.75	63.75	ND	49.83	ND	NA	NA	NA	3312.92	Sampled
MW-7	12/16/21	3362.75	63.75	ND	49.74	ND	NA	NA	NA	3313.01	Sampled
MW-7	03/15/22	3362.75	63.75	ND	49.70	ND	NA	NA	NA	3313.05	Sampled
MW-7	06/23/22	3362.75	63.75	ND	49.75	ND	NA	NA	NA	3313.00	Sampled
MW-7	09/28/22	3362.75	63.75	ND	49.95	ND	NA	NA	NA	3312.80	Sampled
MW-7	12/08/22	3362.75	63.75	ND	49.85	ND	NA	NA	NA	3312.90	Sampled
MW-7	12/08/22	3362.75	63.75	ND	49.85	ND	NA	NA	NA	3312.90	Sampled
MW-7	12/08/22	3362.75	63.75	ND	49.85	ND	NA	NA	NA	3312.90	Sampled
RW-1	01/03/18	3362.10	60.80	49.50	49.58	0.08	NA	sheen	10.00	3312.59	
RW-1	01/10/18	3362.10	60.80	49.45	49.50	0.05	NA	sheen	10.00	3312.64	
RW-1	01/17/18	3362.10	60.80	49.51	49.54	0.03	NA	sheen	10.00	3312.59	
RW-1	01/25/18	3362.10	60.80	49.39	49.46	0.07	NA	sheen	10.00	3312.70	
RW-1	02/01/18	3362.10	60.80	50.50	50.60	0.10	NA	sheen	10.00	3311.59	
RW-1	02/14/18	3362.10	60.80	49.33	49.37	0.04	NA	sheen	10.00	3312.76	
RW-1	02/21/18	3362.10	60.80	49.38	49.41	0.03	NA	sheen	10.00	3312.72	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
2018-2022
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-1	02/28/18	3362.10	60.80	49.22	49.36	0.14	NA	sheen	10.00	3312.86	
RW-1	03/06/18	3362.10	60.80	49.31	49.34	0.03	NA	NA	NA	3312.79	
RW-1	03/15/18	3362.10	60.80	49.31	49.44	0.13	NA	sheen	10.00	3312.77	
RW-1	03/22/18	3362.10	60.80	49.36	49.44	0.08	NA	sheen	10.00	3312.73	
RW-1	03/28/18	3362.10	60.80	49.35	49.56	0.21	NA	0.25	9.75	3312.72	
RW-1	04/04/18	3362.10	60.80	49.37	49.56	0.19	NA	sheen	10.00	3312.70	
RW-1	04/11/18	3362.10	60.80	49.38	49.45	0.07	NA	sheen	10.00	3312.71	
RW-1	04/19/18	3362.10	60.80	49.41	49.47	0.06	NA	sheen	10.00	3312.68	
RW-1	04/24/18	3362.10	60.80	49.45	49.52	0.07	NA	sheen	10.00	3312.64	
RW-1	05/02/18	3362.10	60.80	49.27	49.30	0.03	NA	sheen	10.00	3312.83	
RW-1	05/09/18	3362.10	60.80	49.28	49.30	0.02	NA	sheen	10.00	3312.82	
RW-1	05/15/18	3362.10	60.80	49.26	49.29	0.03	NA	sheen	10.00	3312.84	
RW-1	05/22/18	3362.10	60.80	sheen	49.24	sheen	NA	NA	10.00	3312.86	
RW-1	05/30/18	3362.10	60.80	sheen	49.30	sheen	NA	NA	10.00	3312.80	
RW-1	06/12/18	3362.10	60.80	49.24	49.28	0.04	NA	sheen	10.00	3312.85	Sampled
RW-1	06/19/18	3362.10	60.80	49.25	49.28	0.03	NA	sheen	10.00	3312.85	
RW-1	06/29/18	3362.10	60.80	49.28	49.34	0.06	NA	sheen	10.00	3312.81	
RW-1	07/05/18	3362.10	60.80	49.25	49.28	0.03	NA	0.25	9.75	3312.85	
RW-1	07/11/18	3362.10	60.80	49.27	49.30	0.03	NA	0.25	9.75	3312.83	
RW-1	07/18/18	3362.10	60.80	49.18	49.25	0.07	NA	sheen	10.00	3312.91	
RW-1	07/26/18	3362.10	60.80	49.23	49.36	0.13	NA	sheen	10.00	3312.85	
RW-1	07/31/18	3362.10	60.80	49.20	49.30	0.10	NA	sheen	10.00	3312.89	
RW-1	08/07/18	3362.10	60.80	49.16	49.26	0.10	NA	sheen	10.00	3312.93	
RW-1	08/14/18	3362.10	60.80	49.20	49.26	0.06	NA	sheen	10.00	3312.89	
RW-1	08/21/18	3362.10	60.80	49.18	49.25	0.07	NA	sheen	10.00	3312.91	
RW-1	08/30/18	3362.10	60.80	49.24	49.29	0.05	NA	sheen	10.00	3312.85	
RW-1	09/05/18	3362.10	60.80	49.22	49.26	0.04	NA	Sheen	10.00	3312.87	
RW-1	09/18/18	3362.10	60.80	49.16	49.22	0.06	NA	Sheen	10.00	3312.93	
RW-1	09/26/18	3362.10	60.80	49.20	49.25	0.05	NA	Sheen	10.00	3312.89	
RW-1	10/03/18	3362.10	60.80	49.24	49.27	0.03	NA	Sheen	10.00	3312.86	
RW-1	10/11/18	3362.10	60.80	49.21	49.27	0.06	NA	Sheen	10.00	3312.88	
RW-1	10/17/18	3362.10	60.80	49.02	49.09	0.07	NA	Sheen	10.00	3313.07	
RW-1	10/24/18	3362.10	60.80	49.11	49.20	0.09	NA	Sheen	10.00	3312.98	
RW-1	10/31/18	3362.10	60.80	49.13	49.17	0.04	NA	Sheen	10.00	3312.96	
RW-1	11/06/18	3362.10	60.80	49.11	49.13	0.02	NA	Sheen	10.00	3312.99	
RW-1	11/13/18	3362.10	60.80	49.16	49.26	0.10	NA	Sheen	10.00	3312.93	
RW-1	11/21/18	3362.10	60.80	49.19	49.20	0.01	NA	Sheen	10.00	3312.91	
RW-1	11/27/18	3362.10	61.65	49.18	49.20	0.02	NA	Sheen	10.00	3312.92	
RW-1	12/07/18	3362.10	60.80	49.20	49.25	0.05	NA	Sheen	10.00	3312.89	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
2018-2022
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-1	12/12/18	3362.10	60.80	49.22	49.28	0.06	NA	Sheen	10.00	3312.87	
RW-1	12/18/18	3362.10	60.80	49.18	49.25	0.07	NA	Sheen	10.00	3312.91	
RW-1	01/03/19	3362.10	60.80	49.26	49.30	0.04	NA	sheen	10.00	3312.83	
RW-1	01/08/19	3362.10	60.80	49.31	49.36	0.05	NA	sheen	10.00	3312.78	
RW-1	01/29/19	3362.10	60.80	sheen	49.00	sheen	NA	sheen	10.00	3313.10	
RW-1	02/05/19	3362.10	60.80	sheen	49.10	sheen	NA	sheen	10.00	3313.00	
RW-1	02/12/19	3362.10	60.80	49.05	49.08	0.03	NA	sheen	10.00	3313.05	Sampled
RW-1	02/27/19	3362.10	60.80	49.11	49.14	0.03	NA	sheen	10.00	3312.99	
RW-1	03/06/19	3362.10	60.80	49.14	49.18	0.04	NA	sheen	10.00	3312.95	
RW-1	03/12/19	3362.10	60.80	49.16	49.21	0.05	NA	sheen	10.00	3312.93	
RW-1	03/21/19	3362.10	60.80	49.17	49.24	0.07	NA	sheen	10.00	3312.92	
RW-1	03/28/19	3362.10	60.80	49.21	49.25	0.04	NA	sheen	10.00	3312.88	
RW-1	04/02/19	3362.10	60.80	49.18	49.26	0.08	NA	sheen	10.00	3312.91	
RW-1	04/10/19	3362.10	60.80	49.14	49.20	0.06	NA	sheen	10.00	3312.95	
RW-1	04/16/19	3362.10	60.80	49.20	49.24	0.04	NA	sheen	10.00	3312.89	
RW-1	04/24/19	3362.10	60.80	49.24	49.29	0.05	NA	sheen	10.00	3312.85	
RW-1	05/01/19	3362.10	60.80	49.76	49.78	0.02	NA	sheen	10.00	3312.34	
RW-1	05/08/19	3362.10	60.80	sheen	48.81	sheen	NA	sheen	10.00	3313.29	
RW-1	05/17/19	3362.10	60.80	48.84	48.85	0.01	NA	Sheen	10.00	3313.26	
RW-1	05/24/19	3362.10	60.80	48.87	48.89	0.02	NA	Sheen	10.00	3313.23	
RW-1	06/05/19	3362.10	60.80	48.89	48.94	0.05	NA	Sheen	10.00	3313.20	
RW-1	06/14/19	3362.10	60.80	sheen	48.78	sheen	NA	NA	NA	3313.32	
RW-1	06/20/19	3362.10	60.80	48.91	48.97	0.06	NA	Sheen	10.00	3313.18	
RW-1	06/25/19	3362.10	60.80	sheen	48.79	sheen	NA	Sheen	10.00	3313.31	
RW-1	07/02/19	3362.10	60.80	48.80	48.81	0.01	NA	Sheen	10.00	3313.30	
RW-1	07/10/19	3362.10	60.80	sheen	48.82	sheen	NA	Sheen	10.00	3313.28	
RW-1	07/26/19	3362.10	60.80	48.86	48.88	0.02	NA	Sheen	10.00	3313.24	
RW-1	08/11/19	3362.10	60.80	48.83	48.91	0.08	NA	Sheen	10.00	3313.26	
RW-1	08/14/19	3362.10	60.80	sheen	48.81	sheen	NA	Sheen	10.00	3313.29	
RW-1	08/21/19	3362.10	61.65	sheen	48.81	sheen	NA	Sheen	10.00	3313.29	
RW-1	09/06/19	3362.10	60.80	sheen	48.82	sheen	NA	NA	NA	3313.28	
RW-1	09/12/19	3362.10	60.80	sheen	48.82	sheen	NA	NA	NA	3313.28	
RW-1	09/19/19	3362.10	60.80	sheen	48.76	sheen	NA	NA	NA	3313.34	
RW-1	09/26/19	3362.10	60.80	49.20	49.25	0.05	NA	sheen	10.00	3312.89	
RW-1	10/16/19	3362.10	60.80	sheen	48.82	sheen	NA	Sheen	10.00	3313.28	
RW-1	10/23/19	3362.10	60.80	sheen	48.78	sheen	NA	NA	NA	3313.32	
RW-1	10/31/19	3362.10	60.80	ND	48.82	ND	NA	NA	NA	3313.28	
RW-1	11/05/19	3362.10	60.80	ND	48.78	ND	NA	NA	NA	3313.32	
RW-1	11/14/19	3362.10	60.80	ND	48.81	ND	NA	NA	NA	3313.29	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
2018-2022
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-1	11/26/19	3362.10	60.80	ND	48.71	ND	NA	NA	NA	3313.39	
RW-1	12/03/19	3362.10	60.80	ND	48.74	ND	NA	NA	NA	3313.36	
RW-1	12/13/19	3362.10	60.80	ND	48.75	ND	NA	NA	NA	3313.35	
RW-1	12/20/19	3362.10	60.80	ND	48.74	ND	NA	Sheen	10.00	3313.36	
RW-1	12/26/19	3362.10	60.80	ND	48.72	ND	NA	Sheen	10.00	3313.38	
RW-1	01/02/20	3362.10	60.80	ND	48.76	ND	NA	sheen	10.00	3313.34	
RW-1	01/09/20	3362.10	60.80	ND	48.69	ND	NA	sheen	10.00	3313.41	
RW-1	01/14/20	3362.10	60.80	ND	48.70	ND	NA	sheen	10.00	3313.40	
RW-1	01/31/20	3362.10	60.80	sheen	48.68	sheen	NA	sheen	10.00	3313.42	
RW-1	02/07/20	3362.10	60.80	48.65	48.68	0.03	NA	Sheen	10.00	3313.45	
RW-1	02/12/20	3362.10	60.80	sheen	48.63	sheen	NA	sheen	10.00	3313.47	
RW-1	02/19/20	3362.10	60.80	sheen	48.66	sheen	NA	sheen	10.00	3313.44	
RW-1	02/26/20	3362.10	60.80	sheen	48.71	sheen	NA	sheen	10.00	3313.39	
RW-1	03/05/20	3362.10	60.80	sheen	48.68	sheen	NA	sheen	10.00	3313.42	
RW-1	03/11/20	3362.10	60.80	sheen	48.63	sheen	NA	sheen	10.00	3313.47	
RW-1	03/17/20	3362.10	60.80	sheen	48.85	sheen	NA	sheen	10.00	3313.25	
RW-1	03/23/20	3362.10	60.80	sheen	48.60	sheen	NA	sheen	10.00	3313.50	
RW-1	05/07/20	3362.10	60.80	48.52	48.56	0.04	NA	NA	NA	3313.57	gauge only
RW-1	05/20/20	3362.10	60.80	48.47	48.51	0.04	NA	0.25	9.75	3313.62	
RW-1	06/03/20	3362.10	60.80	ND	48.47	ND	NA	NA	NA	3313.63	
RW-1	06/16/20	3362.10	60.80	sheen	49.21	sheen	NA	0.25	9.75	3312.89	
RW-1	07/14/20	3362.10	60.80	sheen	48.46	sheen	NA	Sheen	10.00	3313.64	
RW-1	08/18/20	3362.10	60.80	ND	48.49	ND	NA	Sheen	10.00	3313.61	
RW-1	09/16/20	3362.10	60.80	48.47	48.51	0.04	NA	0.25	9.75	3313.62	
RW-1	10/08/20	3362.10	60.80	sheen	48.56	sheen	NA	0.25	9.75	3313.54	
RW-1	11/20/20	3362.10	60.80	ND	48.49	ND	NA	sheen	10.00	3313.61	
RW-1	12/04/20	3362.10	60.80	sheen	48.39	sheen	NA	Sheen	10.00	3313.71	
RW-1	12/22/20	3362.10	61.65	ND	48.54	ND	NA	Sheen	10.00	3313.56	
RW-1	01/07/21	3362.10	60.80	sheen	48.53	sheen	NA	sheen	20.00	3313.57	
RW-1	02/03/21	3362.10	60.80	sheen	48.41	sheen	NA	sheen	10.00	3313.69	
RW-1	03/19/21	3362.10	60.80	sheen	48.45	sheen	NA	sheen	10.00	3313.65	
RW-1	03/25/21	3362.10	60.80	sheen	48.41	sheen	NA	sheen	10.00	3313.69	
RW-1	04/09/21	3362.10	60.80	sheen	48.43	sheen	NA	Sheen	10.00	3313.67	
RW-1	05/27/21	3362.10	61.65	sheen	48.36	sheen	NA	Sheen	10.00	3313.74	
RW-1	06/17/21	3362.10	61.65	sheen	48.38	sheen	NA	Sheen	10.00	3313.72	
RW-1	07/29/21	3362.10	61.65	sheen	48.40	sheen	NA	ND	10.00	3313.70	
RW-1	08/03/21	3362.10	61.65	sheen	48.37	sheen	NA	ND	10.00	3313.73	
RW-1	09/02/21	3362.10	61.65	sheen	48.40	sheen	NA	ND	10.00	3313.70	
RW-1	09/15/21	3362.10	61.65	sheen	48.48	sheen	NA	Sheen	10.00	3313.62	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
2018-2022
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-1	09/23/21	3362.10	61.65	sheen	48.46	sheen	NA	Sheen	10.00	3313.64	
RW-1	09/30/21	3362.10	61.65	sheen	48.46	sheen	NA	Sheen	10.00	3313.64	
RW-1	10/15/21	3362.10	61.65	sheen	48.58	sheen	NA	Sheen	10.00	3313.52	
RW-1	11/23/21	3362.10	61.65	sheen	48.53	sheen	NA	Sheen	10.00	3313.57	
RW-1	12/16/21	3362.10	61.65	sheen	48.42	sheen	NA	Sheen	10.00	3313.68	
RW-1	12/22/21	3362.10	61.65	sheen	48.50	sheen	NA	Sheen	10.00	3313.60	
RW-1	01/05/22	3362.10	61.65	ND	48.45	ND	NA	ND	10.00	3313.65	
RW-1	01/13/22	3362.10	61.65	sheen	48.49	sheen	NA	Sheen	10.00	3313.61	
RW-1	02/18/22	3362.10	61.65	ND	48.39	ND	NA	Sheen	10.00	3313.71	
RW-1	03/11/22	3362.10	61.65	ND	48.29	ND	NA	Sheen	10.00	3313.81	
RW-1	03/15/22	3362.10	61.65	ND	48.33	ND	NA	Sheen	10.00	3313.77	
RW-1	03/22/22	3362.10	61.65	ND	48.31	ND	NA	Sheen	10.00	3313.79	
RW-1	04/01/22	3362.10	61.65	ND	48.34	ND	NA	Sheen	10.00	3313.76	
RW-1	04/08/22	3362.10	61.65	sheen	48.37	sheen	NA	Sheen	10.00	3313.73	
RW-1	04/21/22	3362.10	61.65	48.40	48.41	0.01	NA	Sheen	10.00	3313.70	
RW-1	05/05/22	3362.10	61.65	sheen	48.35	sheen	NA	Sheen	10.00	3313.75	
RW-1	06/23/22	3362.10	61.65	Sheen	48.40	Sheen	NA	Sheen	10.00	3313.70	
RW-1	06/30/22	3362.10	61.65	ND	48.42	ND	NA	Sheen	10.00	3313.68	
RW-1	07/27/22	3362.10	61.65	sheen	48.48	sheen	NA	Sheen	10.00	3313.62	
RW-1	08/18/22	3362.10	61.65	sheen	48.49	sheen	NA	Sheen	10.00	3313.61	
RW-1	09/21/22	3362.10	61.65	ND	48.55	ND	NA	Sheen	10.00	3313.55	
RW-1	09/28/22	3362.10	61.65	ND	48.60	ND	NA	Sheen	10.00	3313.50	
RW-1	10/07/22	3362.10	61.65	ND	48.60	ND	NA	Sheen	10.00	3313.50	
RW-1	12/08/22	3362.10	61.65	48.52	48.54	0.02	NA	NA	NA	3313.58	
RW-2	01/03/18	3362.00	63.40	49.61	49.85	0.24	NA	0.25	9.75	3312.35	
RW-2	01/10/18	3362.00	63.40	49.54	49.80	0.26	NA	0.25	9.75	3312.42	
RW-2	01/17/18	3362.00	63.40	49.63	49.84	0.21	NA	1.50	8.50	3312.34	
RW-2	01/25/18	3362.00	63.40	49.50	49.66	0.16	NA	1.00	9.00	3312.48	
RW-2	02/01/18	3362.00	63.40	49.51	49.64	0.13	NA	1.00	9.00	3312.47	
RW-2	02/14/18	3362.00	63.40	49.48	49.58	0.10	NA	sheen	10.00	3312.51	
RW-2	02/21/18	3362.00	63.40	49.48	49.59	0.11	NA	sheen	10.00	3312.50	
RW-2	02/28/18	3362.00	63.40	49.41	49.62	0.21	NA	sheen	10.00	3312.56	
RW-2	03/06/18	3362.00	63.40	49.45	49.55	0.10	NA	NA	NA	3312.54	
RW-2	03/15/18	3362.00	63.40	49.42	49.57	0.15	NA	sheen	10.00	3312.56	
RW-2	03/22/18	3362.00	63.40	49.51	49.60	0.09	NA	sheen	10.00	3312.48	
RW-2	03/28/18	3362.00	63.40	49.49	49.79	0.30	NA	0.25	9.75	3312.47	
RW-2	04/04/18	3362.00	63.40	49.52	49.62	0.10	NA	sheen	10.00	3312.47	
RW-2	04/11/18	3362.00	63.40	49.50	49.59	0.09	NA	sheen	10.00	3312.49	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
2018-2022
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-2	04/19/18	3362.00	63.40	49.46	49.59	0.13	NA	sheen	10.00	3312.52	
RW-2	04/24/18	3362.00	63.40	49.51	49.60	0.09	NA	sheen	10.00	3312.48	
RW-2	05/02/18	3362.00	63.40	49.40	49.49	0.09	NA	sheen	10.00	3312.59	
RW-2	05/09/18	3362.00	63.40	49.43	49.50	0.07	NA	sheen	10.00	3312.56	
RW-2	05/15/18	3362.00	63.40	49.41	49.49	0.08	NA	sheen	10.00	3312.58	
RW-2	05/22/18	3362.00	63.40	49.39	49.47	0.08	NA	sheen	10.00	3312.60	
RW-2	05/30/18	3362.00	63.40	49.42	49.50	0.08	NA	sheen	10.00	3312.57	Sampled
RW-2	06/12/18	3362.00	63.40	49.39	49.60	0.21	NA	0.25	9.25	3312.58	
RW-2	06/19/18	3362.00	63.40	49.41	49.58	0.17	NA	0.25	9.25	3312.56	
RW-2	06/29/18	3362.00	63.40	49.44	49.60	0.16	NA	0.25	9.75	3312.54	
RW-2	07/05/18	3362.00	63.40	49.40	49.55	0.15	NA	0.25	9.75	3312.58	
RW-2	07/11/18	3362.00	63.40	49.46	49.60	0.14	NA	0.25	9.75	3312.52	
RW-2	07/18/18	3362.00	63.40	49.30	49.58	0.28	NA	sheen	10.00	3312.66	
RW-2	07/26/18	3362.00	63.40	49.32	49.62	0.30	NA	0.25	9.75	3312.64	
RW-2	07/31/18	3362.00	63.40	49.31	49.56	0.25	NA	sheen	10.00	3312.65	
RW-2	08/07/18	3362.00	63.40	49.27	49.52	0.25	NA	0.25	9.75	3312.69	
RW-2	08/14/18	3362.00	63.40	49.26	49.58	0.32	NA	0.25	9.75	3312.69	
RW-2	08/21/18	3362.00	63.40	49.25	49.55	0.30	NA	0.25	9.75	3312.71	
RW-2	08/30/18	3362.00	63.40	49.31	49.50	0.19	NA	0.25	9.75	3312.66	
RW-2	09/05/18	3362.00	63.40	49.35	49.59	0.24	NA	0.25	9.75	3312.61	
RW-2	09/18/18	3362.00	63.40	49.25	49.49	0.24	NA	0.25	9.75	3312.71	
RW-2	09/26/18	3362.00	63.40	49.30	49.51	0.21	NA	0.25	9.75	3312.67	
RW-2	10/03/18	3362.00	63.40	49.30	49.56	0.26	NA	0.25	9.75	3312.66	
RW-2	10/11/18	3362.00	63.40	49.25	49.55	0.30	NA	0.25	9.75	3312.71	
RW-2	10/17/18	3362.00	63.40	48.96	49.11	0.15	NA	0.25	9.75	3313.02	
RW-2	10/24/18	3362.00	63.40	49.00	49.22	0.22	NA	sheen	10.00	3312.97	
RW-2	10/31/18	3362.00	63.40	49.16	49.42	0.26	NA	0.25	9.75	3312.80	
RW-2	11/06/18	3362.00	63.40	49.22	49.40	0.18	NA	0.25	9.75	3312.75	
RW-2	11/13/18	3362.00	63.40	49.25	49.47	0.22	NA	0.25	9.75	3312.72	
RW-2	11/21/18	3362.00	63.40	49.18	49.40	0.22	NA	0.25	9.75	3312.79	
RW-2	11/27/18	3362.00	63.40	49.20	49.48	0.28	NA	0.25	9.75	3312.76	
RW-2	12/72018	3362.00	63.40	49.21	49.41	0.20	NA	0.25	9.75	3312.76	
RW-2	12/12/18	3362.00	63.40	49.25	49.51	0.26	NA	0.25	9.75	3312.71	
RW-2	12/18/18	3362.00	63.40	49.20	49.55	0.35	NA	0.25	9.75	3312.75	
RW-2	01/03/19	3362.00	63.40	49.21	49.56	0.35	NA	0.25	9.75	3312.74	
RW-2	01/08/19	3362.00	63.40	49.19	49.58	0.39	NA	0.50	9.50	3312.75	
RW-2	01/29/19	3362.00	63.40	49.15	49.90	0.75	NA	sheen	10.00	3312.74	
RW-2	02/05/19	3362.00	63.40	49.18	49.32	0.14	NA	0.25	9.75	3312.80	Sampled
RW-2	02/12/19	3362.00	63.40	49.18	49.40	0.22	NA	0.25	9.25	3312.79	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
2018-2022
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-2	02/27/19	3362.00	63.40	49.15	49.38	0.23	NA	0.25	9.25	3312.82	
RW-2	03/06/19	3362.00	63.40	49.18	49.40	0.22	NA	0.25	9.75	3312.79	
RW-2	03/12/19	3362.00	63.40	49.20	49.40	0.20	NA	sheen	10.00	3312.77	
RW-2	03/21/19	3362.00	63.40	49.19	49.41	0.22	NA	0.25	9.75	3312.78	
RW-2	03/28/19	3362.00	63.40	49.26	49.49	0.23	NA	sheen	10.00	3312.71	
RW-2	04/02/19	3362.00	63.40	49.20	49.44	0.24	NA	0.25	9.75	3312.76	
RW-2	04/10/19	3362.00	63.40	49.17	49.36	0.19	NA	sheen	10.00	3312.80	
RW-2	04/16/19	3362.00	63.40	49.19	49.42	0.23	NA	0.25	9.75	3312.78	
RW-2	04/24/19	3362.00	63.40	49.21	49.40	0.19	NA	0.25	9.75	3312.76	
RW-2	05/01/19	3362.00	63.40	48.90	49.12	0.22	NA	0.25	9.75	3313.07	
RW-2	05/08/19	3362.00	63.40	49.00	49.11	0.12	NA	sheen	10.00	3312.99	
RW-2	05/17/19	3362.00	63.40	48.99	49.15	0.16	NA	sheen	10.00	3312.99	
RW-2	05/24/19	3362.00	63.40	49.01	49.18	0.17	NA	sheen	10.00	3312.96	
RW-2	06/05/19	3362.00	63.40	48.89	48.94	0.05	NA	sheen	10.00	3313.10	
RW-2	06/14/19	3362.00	63.40	48.88	48.99	0.11	NA	0.50	9.50	3313.10	
RW-2	06/20/19	3362.00	63.40	48.91	48.97	0.06	NA	sheen	9.75	3313.08	
RW-2	06/25/19	3362.00	63.40	48.92	49.10	0.18	NA	0.50	9.50	3313.05	
RW-2	07/02/19	3362.00	63.40	48.95	49.10	0.15	NA	sheen	10.00	3313.03	
RW-2	07/10/19	3362.00	63.40	48.93	49.10	0.17	NA	0.25	9.75	3313.04	
RW-2	07/26/19	3362.00	63.40	48.86	48.88	0.02	NA	sheen	10.00	3313.14	
RW-2	08/11/19	3362.00	63.40	48.94	49.27	0.33	NA	0.25	9.75	3313.01	
RW-2	08/14/19	3362.00	63.40	48.96	49.21	0.25	NA	0.25	9.75	3313.00	
RW-2	08/21/19	3362.00	63.40	48.98	48.99	0.01	NA	sheen	10.00	3313.02	
RW-2	09/06/19	3362.00	63.40	48.95	49.12	0.17	NA	0.25	9.75	3313.02	
RW-2	09/12/19	3362.00	63.40	48.98	49.15	0.17	NA	0.25	9.75	3312.99	
RW-2	09/19/19	3362.00	63.40	48.92	49.12	0.20	NA	1.00	9.00	3313.05	
RW-2	09/26/19	3362.00	63.40	49.30	49.51	0.21	NA	0.25	9.75	3312.67	
RW-2	10/16/19	3362.00	63.40	48.26	49.25	0.99	NA	0.25	9.75	3313.59	
RW-2	10/23/19	3362.00	63.40	48.95	49.05	0.10	NA	sheen	10.00	3313.04	
RW-2	10/31/19	3362.00	63.40	48.98	49.12	0.14	NA	sheen	10.00	3313.00	
RW-2	11/05/19	3362.00	63.40	48.91	49.04	0.13	NA	NA	NA	3313.07	
RW-2	11/14/19	3362.00	63.40	48.94	48.98	0.04	NA	0.25	9.75	3313.05	
RW-2	11/26/19	3362.00	63.40	48.80	49.05	0.25	NA	0.25	9.75	3313.16	
RW-2	12/03/19	3362.00	63.40	48.89	49.13	0.24	NA	sheen	10.00	3313.07	
RW-2	12/13/19	3362.00	63.40	48.91	49.14	0.23	NA	sheen	10.00	3313.06	
RW-2	12/20/19	3362.00	63.40	48.90	49.00	0.10	NA	sheen	10.00	3313.09	
RW-2	12/26/19	3362.00	63.40	48.88	48.92	0.04	NA	sheen	10.00	3313.11	
RW-2	01/02/20	3362.00	63.40	48.91	49.00	0.09	NA	0.25	9.75	3313.07	
RW-2	01/09/20	3362.00	63.40	48.95	49.03	0.08	NA	0.25	9.75	3313.04	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
2018-2022
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-2	01/14/20	3362.00	63.40	48.97	49.02	0.05	NA	0.25	9.75	3313.02	
RW-2	01/31/20	3362.00	63.40	48.83	48.97	0.14	NA	0.25	9.75	3313.15	
RW-2	02/07/20	3362.00	63.40	48.82	48.89	0.07	NA	0.25	9.75	3313.17	
RW-2	02/12/20	3362.00	63.40	48.78	48.90	0.12	NA	0.25	9.75	3313.20	
RW-2	02/19/20	3362.00	63.40	48.86	48.93	0.07	NA	0.25	9.75	3313.13	
RW-2	02/26/20	3362.00	63.40	48.81	48.88	0.07	NA	0.25	9.75	3313.18	
RW-2	03/05/20	3362.00	63.40	48.78	48.82	0.04	NA	0.25	9.75	3313.21	
RW-2	03/11/20	3362.00	63.40	48.80	48.92	0.12	NA	0.25	9.75	3313.18	
RW-2	03/17/20	3362.00	63.40	48.74	48.85	0.11	NA	0.25	9.75	3313.24	
RW-2	03/23/20	3362.00	63.40	48.72	48.80	0.08	NA	0.25	9.75	3313.27	
RW-2	05/07/20	3362.00	63.40	48.68	48.98	0.30	NA	NA	NA	3313.28	guage only
RW-2	05/20/20	3362.00	63.40	48.65	49.00	0.35	NA	1.00	9.00	3313.30	
RW-2	06/03/20	3362.00	63.40	48.63	48.68	0.05	NA	sheen	10.00	3313.36	
RW-2	06/16/20	3362.00	63.40	48.68	48.76	0.08	NA	0.25	9.75	3313.31	
RW-2	07/14/20	3362.00	63.40	48.64	48.81	0.17	NA	1.00	9.00	3313.33	
RW-2	08/18/20	3362.00	63.40	48.65	48.70	0.05	NA	0.25	9.75	3313.34	
RW-2	09/16/20	3362.00	63.40	48.69	48.80	0.11	NA	1.00	9.00	3313.29	
RW-2	10/08/20	3362.00	63.40	48.72	48.80	0.08	NA	sheen	10.00	3313.27	
RW-2	11/20/20	3362.00	63.40	48.66	48.70	0.04	NA	0.25	9.75	3313.33	
RW-2	12/04/20	3362.00	63.40	48.61	48.68	0.07	NA	0.25	9.75	3313.38	
RW-2	12/22/20	3362.00	63.40	48.68	48.75	0.07	NA	0.25	9.75	3313.31	
RW-2	01/07/21	3362.00	63.40	48.70	48.85	0.15	NA	sheen	20.00	3313.28	
RW-2	02/03/21	3362.00	63.40	48.57	48.65	0.08	NA	0.25	9.75	3313.42	
RW-2	03/19/21	3362.00	63.40	48.62	48.71	0.09	NA	1.00	9.00	3313.37	
RW-2	03/25/21	3362.00	63.40	48.58	48.65	0.07	NA	0.25	9.75	3313.41	
RW-2	04/09/21	3362.00	63.40	48.60	48.70	0.10	NA	sheen	10.00	3313.39	
RW-2	05/27/21	3362.00	63.40	48.55	49.10	0.55	NA	0.25	9.75	3313.37	
RW-2	06/17/21	3362.00	63.40	48.55	49.00	0.45	NA	0.25	9.75	3313.38	
RW-2	07/29/21	3362.00	63.40	48.58	49.30	0.72	NA	1.00	9.00	3313.31	
RW-2	08/03/21	3362.00	63.40	48.54	49.29	0.75	NA	1.00	9.00	3313.35	
RW-2	09/02/21	3362.00	63.40	48.58	48.62	0.04	NA	0.25	9.75	3313.41	
RW-2	09/15/21	3362.00	63.40	48.62	48.66	0.04	NA	0.25	9.75	3313.37	
RW-2	09/23/21	3362.00	63.40	48.62	48.72	0.10	NA	sheen	10.00	3313.37	
RW-2	09/30/21	3362.00	63.40	48.65	48.81	0.16	NA	0.25	9.75	3313.33	
RW-2	10/15/21	3362.00	63.40	48.42	48.50	0.08	NA	0.25	9.75	3313.57	
RW-2	11/23/21	3362.00	63.40	48.51	49.47	0.96	NA	1.00	9.00	3313.35	
RW-2	12/16/21	3362.00	63.40	48.56	48.62	0.06	NA	sheen	10.00	3313.43	
RW-2	12/22/21	3362.00	63.40	48.62	48.69	0.07	NA	sheen	10.00	3313.37	
RW-2	01/05/22	3362.00	63.40	48.60	48.68	0.08	NA	sheen	10.00	3313.39	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
2018-2022
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-2	01/13/22	3362.00	63.40	48.55	48.56	0.01	NA	sheen	10.00	3313.45	
RW-2	02/18/22	3362.00	63.40	sheen	48.57	sheen	NA	sheen	10.00	3313.43	
RW-2	03/11/22	3362.00	63.40	sheen	48.48	sheen	NA	NA	10.00	3313.52	
RW-2	03/15/22	3362.00	63.40	sheen	48.50	sheen	NA	sheen	10.00	3313.50	
RW-2	03/22/22	3362.00	63.40	sheen	48.50	sheen	NA	NA	10.00	3313.50	
RW-2	04/01/22	3362.00	63.40	sheen	48.52	sheen	NA	sheen	10.00	3313.48	
RW-2	04/08/22	3362.00	63.40	48.53	48.56	0.03	NA	sheen	10.00	3313.47	
RW-2	04/21/22	3362.00	63.40	48.58	48.60	0.02	NA	sheen	10.00	3313.42	
RW-2	05/05/22	3362.00	63.40	48.50	48.52	0.02	NA	sheen	10.00	3313.50	
RW-2	06/23/22	3362.00	63.40	48.56	48.58	0.02	NA	0.25	9.75	3313.44	
RW-2	06/30/22	3362.00	63.40	48.58	48.70	0.12	NA	sheen	10.00	3313.40	
RW-2	07/27/22	3362.00	63.40	48.58	48.71	0.13	NA	sheen	10.00	3313.40	
RW-2	08/18/22	3362.00	63.40	48.64	48.75	0.11	NA	sheen	10.00	3313.34	
RW-2	09/21/22	3362.00	63.40	48.70	49.01	0.31	NA	1.00	9.00	3313.25	
RW-2	09/28/22	3362.00	63.40	48.75	49.20	0.45	NA	0.25	9.75	3313.18	
RW-2	10/07/22	3362.00	63.40	sheen	48.78	sheen	NA	0.25	9.75	3313.22	
RW-2	12/08/22	3362.00	63.40	48.65	48.80	0.15	NA	0.25	9.75	3313.33	
RW-3	01/03/18	3361.93	63.80	50.12	50.30	0.18	NA	sheen	10.00	3311.78	
RW-3	01/10/18	3361.93	63.80	50.08	50.14	0.06	NA	sheen	10.00	3311.84	
RW-3	01/17/18	3361.93	63.80	50.12	50.13	0.01	NA	1.00	9.00	3311.81	
RW-3	01/25/18	3361.93	63.80	50.01	50.10	0.09	NA	1.00	9.00	3311.91	
RW-3	02/01/18	3361.93	63.80	50.01	50.35	0.34	NA	1.00	9.00	3311.87	
RW-3	02/14/18	3361.93	63.80	50.00	50.09	0.09	NA	sheen	10.00	3311.92	
RW-3	02/21/18	3361.93	63.80	50.02	50.14	0.12	NA	sheen	10.00	3311.89	
RW-3	02/28/18	3361.93	63.80	49.90	50.10	0.20	NA	0.50	9.50	3312.00	
RW-3	03/06/18	3361.93	63.80	49.97	50.14	0.17	NA	NA	NA	3311.93	
RW-3	03/15/18	3361.93	63.80	49.92	50.11	0.19	NA	sheen	10.00	3311.98	
RW-3	03/22/18	3361.93	63.80	50.00	50.10	0.10	NA	sheen	10.00	3311.92	
RW-3	03/28/18	3361.93	63.80	50.00	50.22	0.22	NA	0.25	9.75	3311.90	
RW-3	04/04/18	3361.93	63.80	50.00	50.18	0.18	NA	sheen	10.00	3311.90	
RW-3	04/11/18	3361.93	63.80	50.03	50.19	0.16	NA	sheen	10.00	3311.88	
RW-3	04/19/18	3361.93	63.80	49.99	50.16	0.17	NA	sheen	10.00	3311.91	
RW-3	04/24/18	3361.93	63.80	50.00	50.18	0.18	NA	sheen	10.00	3311.90	
RW-3	05/02/18	3361.93	63.80	49.88	49.99	0.11	NA	sheen	10.00	3312.03	
RW-3	05/09/18	3361.93	63.80	49.92	50.02	0.10	NA	sheen	10.00	3312.00	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
2018-2022
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-3	05/15/18	3361.93	63.80	49.90	50.08	0.18	NA	sheen	10.00	3312.00	
RW-3	05/22/18	3361.93	63.80	49.87	50.05	0.18	NA	sheen	10.00	3312.03	
RW-3	05/30/18	3361.93	63.80	49.89	50.00	0.11	NA	sheen	10.00	3312.02	
RW-3	06/12/18	3361.93	63.80	49.89	50.06	0.17	NA	0.25	9.75	3312.01	Sampled
RW-3	06/19/18	3361.93	63.80	49.92	50.03	0.11	NA	sheen	10.00	3311.99	
RW-3	06/29/18	3361.93	63.80	49.95	50.04	0.09	NA	sheen	10.00	3311.97	
RW-3	07/05/18	3361.93	63.80	49.90	50.05	0.15	NA	0.25	9.75	3312.01	
RW-3	07/11/18	3361.93	63.80	49.96	50.07	0.11	NA	0.25	9.75	3311.95	
RW-3	07/18/18	3361.93	63.80	49.83	50.08	0.25	NA	0.25	9.75	3312.06	
RW-3	07/26/18	3361.93	63.80	49.86	50.12	0.26	NA	0.25	9.75	3312.03	
RW-3	07/31/18	3361.93	63.80	49.85	50.09	0.24	NA	0.25	9.75	3312.04	
RW-3	08/07/18	3361.93	63.80	49.80	50.03	0.23	NA	0.25	9.75	3312.10	
RW-3	08/14/18	3361.93	63.80	49.82	50.09	0.27	NA	0.25	9.75	3312.07	
RW-3	08/21/18	3361.93	63.80	49.81	50.08	0.27	NA	0.25	9.75	3312.08	
RW-3	08/30/18	3361.93	63.80	49.86	50.06	0.20	NA	0.25	9.75	3312.04	
RW-3	09/05/18	3361.93	63.80	49.90	50.11	0.21	NA	0.25	9.75	3312.00	
RW-3	09/18/18	3361.93	63.80	49.83	50.01	0.18	NA	0.25	9.75	3312.07	
RW-3	09/26/18	3361.93	63.80	49.86	50.02	0.16	NA	0.25	9.75	3312.05	
RW-3	10/03/18	3361.93	63.80	49.88	50.09	0.21	NA	0.25	9.75	3312.02	
RW-3	10/11/18	3361.93	63.80	49.81	50.10	0.29	NA	0.25	9.75	3312.08	
RW-3	10/17/18	3361.93	63.80	49.68	49.90	0.22	NA	0.25	9.75	3312.22	
RW-3	10/24/18	3361.93	63.80	49.82	50.01	0.19	NA	0.25	9.75	3312.08	
RW-3	10/31/18	3361.93	63.80	49.83	50.01	0.18	NA	0.25	9.75	3312.07	
RW-3	11/09/18	3361.93	63.80	49.78	49.96	0.18	NA	0.25	9.75	3312.12	
RW-3	11/13/18	3361.93	63.80	49.86	49.99	0.13	NA	0.25	9.75	3312.05	
RW-3	11/21/18	3361.93	63.80	49.88	50.00	0.12	NA	0.25	9.75	3312.03	
RW-3	11/27/18	3361.93	63.80	49.82	49.94	0.12	NA	0.25	9.75	3312.09	
RW-3	12/07/18	3361.93	63.80	49.89	50.02	0.13	NA	0.25	9.75	3312.02	
RW-3	12/12/18	3361.93	63.80	49.92	50.08	0.16	NA	0.25	9.75	3311.99	
RW-3	12/18/18	3361.93	63.80	49.90	50.09	0.19	NA	0.25	9.75	3312.00	
RW-3	01/03/19	3361.93	63.80	49.94	50.11	0.17	NA	sheen	10.00	3311.96	
RW-3	01/08/19	3361.93	63.80	49.92	50.12	0.20	NA	0.25	9.75	3311.98	
RW-3	01/29/19	3361.93	63.80	49.65	49.74	0.09	NA	sheen	10.00	3312.27	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
2018-2022
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-3	02/05/19	3361.93	63.80	49.76	49.90	0.14	NA	0.25	9.75	3312.15	
RW-3	02/12/19	3361.93	63.80	49.72	49.79	0.07	NA	0.25	9.75	3312.20	Sampled
RW-3	02/27/19	3361.93	63.80	49.70	49.81	0.11	NA	sheen	10.00	3312.21	
RW-3	03/06/19	3361.93	63.80	49.73	49.86	0.13	NA	0.25	9.75	3312.18	
RW-3	03/12/19	3361.93	63.80	49.75	49.91	0.16	NA	sheen	10.00	3312.16	
RW-3	03/21/19	3361.93	63.80	49.77	49.98	0.21	NA	sheen	10.00	3312.13	
RW-3	03/28/19	3361.93	63.80	49.71	49.99	0.28	NA	0.25	9.75	3312.18	
RW-3	04/02/19	3361.93	63.80	49.77	49.94	0.17	NA	sheen	10.00	3312.13	
RW-3	04/10/19	3361.93	63.80	49.70	49.86	0.16	NA	0.25	9.75	3312.21	
RW-3	04/16/19	3361.93	63.80	49.72	49.86	0.14	NA	sheen	10.00	3312.19	
RW-3	04/24/19	3361.93	63.80	49.75	49.87	0.12	NA	sheen	10.00	3312.16	
RW-3	05/01/19	3361.93	63.80	49.45	49.56	0.11	NA	sheen	10.00	3312.46	
RW-3	05/08/19	3361.93	63.80	49.47	49.54	0.07	NA	0.25	9.75	3312.45	
RW-3	05/17/19	3361.93	63.80	48.99	49.15	0.16	NA	0.25	9.75	3312.92	
RW-3	05/24/19	3361.93	63.80	49.01	49.18	0.17	NA	0.25	9.75	3312.89	
RW-3	06/05/19	3361.93	63.80	49.63	49.76	0.13	NA	sheen	10.00	3312.28	
RW-3	06/14/19	3361.93	63.80	49.43	49.45	0.02	NA	sheen	10.00	3312.50	
RW-3	06/20/19	3361.93	63.80	49.65	49.79	0.14	NA	sheen	10.00	3312.26	
RW-3	06/25/19	3361.93	63.80	49.48	49.49	0.01	NA	sheen	10.00	3312.45	
RW-3	07/02/19	3361.93	63.80	49.49	49.56	0.07	NA	sheen	10.00	3312.43	
RW-3	07/10/19	3361.93	63.80	49.49	49.52	0.03	NA	sheen	10.00	3312.44	
RW-3	07/26/19	3361.93	63.80	49.40	49.48	0.08	NA	sheen	10.00	3312.52	
RW-3	08/11/19	3361.93	63.80	49.48	49.56	0.08	NA	sheen	10.00	3312.44	
RW-3	08/14/19	3361.93	63.80	49.53	49.61	0.08	NA	sheen	10.00	3312.39	
RW-3	08/21/19	3361.93	63.80	49.48	49.49	0.01	NA	sheen	10.00	3312.45	
RW-3	09/06/19	3361.93	63.80	49.52	49.55	0.03	NA	0.25	9.75	3312.41	
RW-3	09/12/19	3361.93	63.80	49.52	49.53	0.01	NA	sheen	10.00	3312.41	
RW-3	09/19/19	3361.93	63.80	49.47	49.50	0.03	NA	sheen	10.00	3312.46	
RW-3	09/26/19	3361.93	63.80	49.86	50.02	0.16	NA	0.25	9.75	3312.05	
RW-3	10/16/19	3361.93	63.80	49.52	49.58	0.06	NA	sheen	10.00	3312.40	
RW-3	10/23/19	3361.93	63.80	49.48	49.52	0.04	NA	sheen	10.00	3312.44	
RW-3	10/31/19	3361.93	63.80	49.52	49.54	0.02	NA	sheen	10.00	3312.41	
RW-3	11/05/19	3361.93	63.80	49.45	49.47	0.02	NA	NA	NA	3312.48	
RW-3	11/14/19	3361.93	63.80	49.50	49.52	0.02	NA	sheen	10.00	3312.43	
RW-3	11/26/19	3361.93	63.80	49.41	49.43	0.02	NA	sheen	10.00	3312.52	
RW-3	12/03/19	3361.93	63.80	49.42	49.45	0.03	NA	sheen	10.00	3312.51	
RW-3	12/13/19	3361.93	63.80	49.47	49.50	0.03	NA	sheen	10.00	3312.46	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
2018-2022
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-3	12/20/19	3361.93	63.80	49.48	49.52	0.04	NA	sheen	10.00	3312.44	
RW-3	12/26/19	3361.93	63.80	49.45	49.48	0.03	NA	0.25	9.75	3312.48	
RW-3	01/02/20	3361.93	63.80	49.45	49.48	0.03	NA	sheen	10.00	3312.48	
RW-3	01/09/20	3361.93	63.80	49.39	49.41	0.02	NA	sheen	10.00	3312.54	
RW-3	01/14/20	3361.93	63.80	49.45	49.47	0.02	NA	sheen	10.00	3312.48	
RW-3	01/31/20	3361.93	63.80	49.36	49.37	0.01	NA	sheen	10.00	3312.57	
RW-3	02/07/20	3361.93	63.80	49.34	49.36	0.02	NA	sheen	10.00	3312.59	
RW-3	02/12/20	3361.93	63.80	49.32	49.34	0.02	NA	sheen	10.00	3312.61	
RW-3	02/19/20	3361.93	63.80	ND	49.35	ND	NA	sheen	10.00	3312.58	
RW-3	02/26/20	3361.93	63.80	49.31	49.32	0.01	NA	sheen	10.00	3312.62	
RW-3	03/05/20	3361.93	63.80	49.38	49.40	0.02	NA	sheen	10.00	3312.55	
RW-3	03/11/20	3361.93	63.80	sheen	49.33	sheen	NA	sheen	10.00	3312.60	
RW-3	03/17/20	3361.93	63.80	49.28	49.29	0.01	NA	sheen	10.00	3312.65	
RW-3	03/23/20	3361.93	63.80	49.30	49.31	0.01	NA	sheen	10.00	3312.63	
RW-3	05/07/20	3361.93	63.80	48.27	48.30	0.03	NA	NA	NA	3313.66	guage only
RW-3	05/20/20	3361.93	63.80	49.14	49.17	0.03	NA	sheen	10.00	3312.79	
RW-3	06/03/20	3361.93	63.80	49.15	49.16	0.01	NA	sheen	10.00	3312.78	
RW-3	06/16/20	3361.93	63.80	sheen	49.21	sheen	NA	sheen	10.00	3312.72	
RW-3	07/14/20	3361.93	63.80	sheen	49.15	sheen	NA	sheen	10.00	3312.78	
RW-3	08/18/20	3361.93	63.80	ND	49.18	ND	NA	sheen	10.00	3312.75	
RW-3	09/16/20	3361.93	63.80	sheen	49.26	sheen	NA	sheen	10.00	3312.67	
RW-3	10/08/20	3361.93	63.80	sheen	49.24	sheen	NA	sheen	10.00	3312.69	
RW-3	11/20/20	3361.93	63.80	ND	49.18	ND	NA	sheen	10.00	3312.75	
RW-3	12/04/20	3361.93	63.80	sheen	49.12	sheen	NA	sheen	10.00	3312.81	
RW-3	12/22/20	3361.93	63.80	49.22	49.23	0.01	NA	0.25	9.75	3312.71	
RW-3	01/07/21	3361.93	63.80	sheen	49.23	sheen	NA	sheen	10.00	3312.70	
RW-3	02/03/21	3361.93	63.80	sheen	49.09	sheen	NA	sheen	10.00	3312.84	
RW-3	03/19/21	3361.93	63.80	49.13	49.17	0.04	NA	0.25	9.75	3312.79	
RW-3	03/25/21	3361.93	63.80	sheen	49.10	sheen	NA	sheen	10.00	3312.83	
RW-3	04/09/21	3361.93	63.80	ND	49.10	ND	NA	sheen	10.00	3312.83	
RW-3	05/27/21	3361.93	63.80	ND	49.05	ND	NA	NA	NA	3312.88	
RW-3	06/17/21	3361.93	63.80	sheen	49.07	sheen	NA	0.25	9.75	3312.86	
RW-3	07/29/21	3361.93	63.80	ND	49.10	ND	NA	ND	10.00	3312.83	
RW-3	08/03/21	3361.93	63.80	ND	49.12	ND	NA	ND	10.00	3312.81	
RW-3	09/02/21	3361.93	63.80	49.08	49.10	0.02	NA	ND	10.00	3312.85	
RW-3	09/15/21	3361.93	63.80	49.17	49.19	0.02	NA	sheen	10.00	3312.76	
RW-3	09/23/21	3361.93	63.80	49.15	49.16	0.01	NA	sheen	10.00	3312.78	
RW-3	09/30/21	3361.93	63.80	sheen	49.16	sheen	NA	sheen	10.00	3312.77	
RW-3	10/15/21	3361.93	63.80	49.21	49.25	0.04	NA	sheen	10.00	3312.71	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
2018-2022
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-3	11/23/21	3361.93	63.80	ND	49.05	ND	NA	ND	10.00	3312.88	
RW-3	12/16/21	3361.93	63.80	49.10	49.11	0.01	NA	sheen	10.00	3312.83	
RW-3	12/22/21	3361.93	63.80	sheen	49.17	sheen	NA	sheen	10.00	3312.76	
RW-3	01/05/22	3361.93	63.80	sheen	49.14	sheen	NA	sheen	10.00	3312.79	
RW-3	01/13/22	3361.93	63.80	sheen	49.04	sheen	NA	sheen	10.00	3312.89	
RW-3	02/18/22	3361.93	63.80	49.05	49.10	0.05	NA	0.25	9.75	3312.87	
RW-3	03/11/22	3361.93	63.80	sheen	48.97	sheen	NA	sheen	10.00	3312.96	
RW-3	03/15/22	3361.93	63.80	49.02	49.08	0.06	NA	sheen	10.00	3312.90	
RW-3	03/22/22	3361.93	63.80	sheen	49.00	sheen	NA	sheen	10.00	3312.93	
RW-3	04/01/22	3361.93	63.80	sheen	48.96	sheen	NA	sheen	10.00	3312.97	
RW-3	04/08/22	3361.93	63.80	49.04	49.05	0.01	NA	sheen	10.00	3312.89	
RW-3	04/21/22	3361.93	63.80	sheen	49.10	sheen	NA	sheen	10.00	3312.83	
RW-3	05/05/22	3361.93	63.80	49.02	49.06	0.04	NA	0.25	9.75	3312.90	
RW-3	06/23/22	3361.93	63.80	49.08	49.11	0.03	NA	0.25	9.75	3312.85	
RW-3	06/30/22	3361.93	63.80	sheen	49.11	sheen	NA	sheen	10.00	3312.82	
RW-3	07/27/22	3361.93	63.80	sheen	49.10	sheen	NA	sheen	10.00	3312.83	
RW-3	08/18/22	3361.93	63.80	sheen	49.17	sheen	NA	sheen	10.00	3312.76	
RW-3	09/21/22	3361.93	63.80	49.22	49.25	0.03	NA	1.00	9.00	3312.71	
RW-3	09/28/22	3361.93	63.80	ND	49.30	ND	NA	ND	10.00	3312.63	
RW-3	10/07/22	3361.93	63.80	ND	49.30	ND	NA	ND	10.00	3312.63	
RW-3	12/08/22	3361.93	63.80	49.20	49.22	0.02	NA	0.25	9.75	3312.73	
RW-4	03/06/18	3363.22	63.65	ND	49.86	ND	NA	NA	NA	3313.36	Sampled
RW-4	06/12/18	3363.22	63.65	ND	49.68	ND	NA	NA	NA	3313.54	Sampled
RW-4	09/05/18	3363.22	63.65	ND	49.69	ND	NA	NA	NA	3313.53	Sampled
RW-4	11/27/18	3363.22	63.65	ND	49.52	ND	NA	NA	NA	3313.70	Sampled
RW-4	02/12/19	3363.22	63.65	ND	49.46	ND	NA	NA	NA	3313.76	Sampled
RW-4	05/08/19	3363.22	63.65	ND	49.22	ND	NA	NA	NA	3314.00	Sampled
RW-4	08/21/19	3363.22	63.65	ND	49.21	ND	NA	NA	NA	3314.01	Sampled
RW-4	11/05/19	3363.22	63.65	ND	49.20	ND	NA	NA	NA	3314.02	Sampled
RW-4	03/17/20	3363.22	63.65	ND	49.02	ND	NA	NA	NA	3314.20	Sampled
RW-4	06/16/20	3363.22	63.65	ND	48.94	ND	NA	NA	NA	3314.28	Sampled
RW-4	09/16/20	3363.22	63.65	ND	49.00	ND	NA	NA	NA	3314.22	Sampled
RW-4	12/22/20	3363.22	63.65	ND	48.95	ND	NA	NA	NA	3314.27	Sampled
RW-4	03/25/21	3363.22	63.65	ND	48.84	ND	NA	NA	NA	3314.38	Sampled
RW-4	06/17/21	3363.22	63.65	ND	48.81	ND	NA	NA	NA	3314.41	Sampled
RW-4	09/15/21	3363.22	63.65	ND	48.90	ND	NA	NA	NA	3314.32	
RW-4	12/16/21	3363.22	63.65	ND	48.82	ND	NA	NA	NA	3314.40	
RW-4	03/15/22	3363.22	63.65	ND	48.77	ND	NA	NA	NA	3314.45	Sampled

TABLE 2
Historical Well Survey Data and Groundwater Elevations
2018-2022
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-4	06/23/22	3363.22	63.65	ND	48.60	ND	NA	NA	NA	3314.62	Sampled
RW-4	09/28/22	3363.22	63.65	ND	48.98	ND	NA	NA	NA	3314.24	Sampled
RW-4	12/08/22	3363.22	63.65	ND	48.95	ND	NA	NA	NA	3314.27	Sampled
RW-5	03/06/18	3362.38	64.07	ND	49.49	ND	NA	NA	NA	3312.89	Sampled
RW-5	06/12/18	3362.38	64.07	ND	49.31	ND	NA	NA	NA	3313.07	Sampled
RW-5	09/05/18	3362.38	64.07	ND	49.29	ND	NA	NA	NA	3313.09	Sampled
RW-5	11/27/18	3362.38	64.07	ND	49.18	ND	NA	NA	NA	3313.20	Sampled
RW-5	02/13/19	3362.38	64.07	ND	49.11	ND	NA	NA	NA	3313.27	Sampled
RW-5	05/08/19	3362.38	64.07	ND	48.84	ND	NA	NA	NA	3313.54	Sampled
RW-5	08/21/19	3362.38	64.07	ND	48.87	ND	NA	NA	NA	3313.51	Sampled
RW-5	11/05/19	3362.38	64.07	ND	48.85	ND	NA	NA	NA	3313.53	Sampled
RW-5	03/17/20	3362.38	64.07	ND	48.66	ND	NA	NA	NA	3313.72	Sampled
RW-5	06/16/20	3362.38	64.07	ND	48.60	ND	NA	NA	NA	3313.78	Sampled
RW-5	09/16/20	3362.38	64.07	ND	48.65	ND	NA	NA	NA	3313.73	Sampled
RW-5	12/22/20	3362.38	64.07	ND	48.60	ND	NA	NA	NA	3313.78	Sampled
RW-5	03/25/21	3362.38	64.07	ND	49.48	ND	NA	NA	NA	3312.90	Sampled
RW-5	06/17/21	3362.38	64.07	ND	48.44	ND	NA	NA	NA	3313.94	Sampled
RW-5	09/15/21	3362.38	64.07	ND	48.54	ND	NA	NA	NA	3313.84	
RW-5	03/15/22	3362.38	64.07	ND	48.42	ND	NA	NA	NA	3313.96	Sampled
RW-5	06/23/22	3362.38	64.07	ND	48.48	ND	NA	NA	NA	3313.90	Sampled
RW-5	12/16/21	3362.38	64.07	ND	48.45	ND	NA	NA	NA	3313.93	
RW-5	06/23/22	3362.38	64.07	ND	48.48	ND	NA	NA	NA	3313.90	
RW-5	09/28/22	3362.38	64.07	ND	48.63	ND	NA	NA	NA	3313.75	
RW-5	12/08/22	3362.38	64.07	ND	40.60	ND	NA	NA	NA	3321.78	Sampled
RW-6	03/06/18	3363.11	64.27	ND	50.72	ND	NA	NA	NA	3312.39	Sampled
RW-6	06/12/18	3363.11	64.27	ND	50.60	ND	NA	NA	NA	3312.51	Sampled
RW-6	09/05/18	3363.11	64.27	ND	50.60	ND	NA	NA	NA	3312.51	Sampled
RW-6	11/27/18	3363.11	64.27	ND	50.45	ND	NA	NA	NA	3312.66	Sampled
RW-6	02/12/19	3363.11	64.27	ND	50.38	ND	NA	NA	NA	3312.73	Sampled
RW-6	05/08/19	3363.11	64.27	ND	50.12	ND	NA	NA	NA	3312.99	Sampled
RW-6	08/21/19	3363.11	64.27	ND	50.16	ND	NA	NA	NA	3312.95	Sampled
RW-6	11/05/19	3363.11	64.27	ND	50.12	ND	NA	NA	NA	3312.99	Sampled
RW-6	03/17/20	3363.11	64.27	ND	49.92	ND	NA	NA	NA	3313.19	Sampled
RW-6	06/16/20	3363.11	64.27	ND	49.88	ND	NA	NA	NA	3313.23	Sampled
RW-6	09/16/20	3363.11	64.27	ND	49.95	ND	NA	NA	NA	3313.16	Sampled
RW-6	12/22/20	3363.11	64.27	ND	49.96	ND	NA	NA	NA	3313.15	Sampled
RW-6	03/25/21	3363.11	64.27	ND	49.76	ND	NA	NA	NA	3313.35	Sampled

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-6	06/17/21	3363.11	64.27	ND	49.75	ND	NA	NA	NA	3313.36	Sampled
RW-6	09/15/21	3363.11	64.27	ND	49.85	ND	NA	NA	NA	3313.26	
RW-6	12/16/21	3363.11	64.27	ND	49.75	ND	NA	NA	NA	3313.36	Sampled
RW-6	03/15/22	3363.11	64.27	ND	49.70	ND	NA	NA	NA	3313.41	Sampled
RW-6	06/23/22	3363.11	64.27	ND	49.76	ND	NA	NA	NA	3313.35	Sampled
RW-6	09/28/22	3363.11	64.27	ND	49.46	ND	NA	NA	NA	3313.65	Sampled
RW-6	12/08/22	3363.11	64.27	ND	49.87	ND	NA	NA	NA	3313.24	Sampled
RW-7	03/06/18	3362.52	68.56	ND	49.41	ND	NA	NA	NA	3313.11	Sampled
RW-7	06/12/18	3362.52	68.56	ND	49.25	ND	NA	NA	NA	3313.27	Sampled
RW-7	09/05/18	3362.52	68.56	ND	49.25	ND	NA	NA	NA	3313.27	Sampled
RW-7	11/27/18	3362.52	68.56	ND	49.10	ND	NA	NA	NA	3313.42	Sampled
RW-7	02/12/19	3362.52	68.56	ND	49.04	ND	NA	NA	NA	3313.48	Sampled
RW-7	05/08/19	3362.52	68.56	ND	48.82	ND	NA	NA	NA	3313.70	Sampled
RW-7	08/21/19	3362.52	68.56	ND	48.84	ND	NA	NA	NA	3313.68	Sampled
RW-7	11/05/19	3362.52	68.56	ND	48.80	ND	NA	NA	NA	3313.72	Sampled
RW-7	03/17/20	3362.52	68.56	ND	48.62	ND	NA	NA	NA	3313.90	Sampled
RW-7	06/16/20	3362.52	68.56	ND	48.56	ND	NA	NA	NA	3313.96	Sampled
RW-7	09/16/20	3362.52	68.56	ND	48.61	ND	NA	NA	NA	3313.91	Sampled
RW-7	12/22/20	3362.52	68.56	ND	48.58	ND	NA	NA	NA	3313.94	Sampled
RW-7	03/25/21	3362.52	68.56	ND	48.45	ND	NA	NA	NA	3314.07	Sampled
RW-7	06/17/21	3362.52	68.56	ND	48.42	ND	NA	NA	NA	3314.10	Sampled
RW-7	09/15/21	3362.52	68.56	ND	48.50	ND	NA	NA	NA	3314.02	Sampled
RW-7	12/16/21	3362.52	68.56	ND	48.41	ND	NA	NA	NA	3314.11	Sampled
RW-7	12/16/21	3362.52	68.56	ND	48.41	ND	NA	NA	NA	3314.11	Sampled
RW-7	06/23/22	3362.52	68.56	ND	48.45	ND	NA	NA	NA	3314.07	Sampled
RW-7	09/28/22	3362.52	68.56	ND	48.62	ND	NA	NA	NA	3313.90	Sampled
RW-7	12/08/22	3362.52	68.56	ND	48.55	ND	NA	NA	NA	3313.97	Sampled
RW-8	01/03/18	3362.52	68.34	50.08	50.55	0.47	NA	2.00	23.00	3312.37	
RW-8	01/10/18	3362.52	68.34	50.02	50.41	0.39	NA	2.00	23.00	3312.44	
RW-8	01/17/18	3362.52	68.34	50.12	50.54	0.42	NA	4.00	21.00	3312.34	
RW-8	01/25/18	3362.52	68.34	49.98	50.39	0.41	NA	6.00	14.00	3312.48	
RW-8	02/01/18	3362.52	68.34	49.49	50.35	0.86	NA	3.00	22.00	3312.90	
RW-8	02/14/18	3362.52	68.34	49.94	50.29	0.35	NA	3.00	22.00	3312.53	
RW-8	02/21/18	3362.52	68.34	49.96	50.35	0.39	NA	0.50	24.50	3312.50	
RW-8	02/28/18	3362.52	68.34	49.88	50.20	0.32	NA	1.00	24.00	3312.59	
RW-8	03/06/18	3362.52	68.34	49.95	50.76	0.81	NA	NA	NA	3312.45	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-8	03/15/18	3362.52	68.34	49.91	50.49	0.58	NA	3.00	22.00	3312.52	
RW-8	03/22/18	3362.52	68.34	49.98	50.50	0.52	NA	2.00	23.00	3312.46	
RW-8	03/28/18	3362.52	68.34	50.04	50.21	0.17	NA	2.00	23.00	3312.45	
RW-8	04/04/18	3362.52	68.34	49.99	50.26	0.27	NA	2.00	23.00	3312.49	
RW-8	04/11/18	3362.52	68.34	49.98	50.28	0.30	NA	2.00	23.00	3312.50	
RW-8	04/19/18	3362.52	68.34	50.04	50.31	0.27	NA	2.00	23.00	3312.44	
RW-8	04/24/18	3362.52	68.34	49.98	50.26	0.28	NA	2.00	23.00	3312.50	
RW-8	05/02/18	3362.52	68.34	49.87	50.28	0.41	NA	3.00	22.00	3312.59	
RW-8	05/09/18	3362.52	68.34	49.90	50.26	0.36	NA	3.00	22.00	3312.57	
RW-8	05/15/18	3362.52	68.34	49.85	50.26	0.41	NA	3.00	22.00	3312.61	
RW-8	05/22/18	3362.52	68.34	49.84	50.21	0.37	NA	2.00	23.00	3312.62	
RW-8	05/30/18	3362.52	68.34	49.87	50.11	0.24	NA	2.00	23.00	3312.61	
RW-8	06/12/18	3362.52	68.34	49.85	50.15	0.30	NA	2.00	23.00	3312.63	sampled
RW-8	06/19/18	3362.52	68.34	49.88	50.11	0.23	NA	3.00	22.00	3312.61	
RW-8	06/29/18	3362.52	68.34	49.91	50.09	0.18	NA	3.00	22.00	3312.58	
RW-8	07/05/18	3362.52	68.34	49.86	50.33	0.47	NA	2.00	13.00	3312.59	
RW-8	07/11/18	3362.52	68.34	49.9	50.28	0.38	NA	2.00	23.00	3312.56	
RW-8	07/18/18	3362.52	68.34	49.82	50.14	0.32	NA	2.00	23.00	3312.65	
RW-8	07/26/18	3362.52	68.34	49.88	50.30	0.42	NA	2.00	23.00	3312.58	
RW-8	07/26/18	3362.52	68.34	49.9	50.28	0.38	NA	2.00	23.00	3312.56	
RW-8	08/07/18	3362.52	68.34	49.86	50.23	0.37	NA	3.00	22.00	3312.60	
RW-8	08/14/18	3362.52	68.34	49.81	50.23	0.42	NA	2.00	23.00	3312.65	
RW-8	08/21/18	3362.52	68.34	49.8	50.26	0.46	NA	3.00	22.00	3312.65	
RW-8	08/30/18	3362.52	68.34	49.91	50.22	0.31	NA	2.00	23.00	3312.56	
RW-8	09/05/18	3362.52	68.34	49.88	50.21	0.33	NA	2.00	23.00	3312.59	
RW-8	09/18/18	3362.52	68.34	49.78	50.24	0.46	NA	2.00	23.00	3312.67	
RW-8	09/26/18	3362.52	68.34	49.88	50.31	0.43	NA	3.00	22.00	3312.58	
RW-8	10/03/18	3362.52	68.34	49.91	50.36	0.45	NA	3.00	22.00	3312.54	
RW-8	10/11/18	3362.52	68.34	49.85	50.29	0.44	NA	3.00	22.00	3312.60	
RW-8	10/17/18	3362.52	68.34	49.65	49.94	0.29	NA	3.00	22.00	3312.83	
RW-8	10/24/18	3362.52	68.34	49.85	50.16	0.31	NA	2.00	23.00	3312.62	
RW-8	10/31/18	3362.52	68.34	49.88	50.09	0.21	NA	3.00	22.00	3312.61	
RW-8	11/06/18	3362.52	68.34	49.72	50.06	0.34	NA	3.00	22.00	3312.75	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-8	11/13/18	3362.52	68.34	49.9	50.11	0.21	NA	3.00	22.00	3312.59	
RW-8	11/21/18	3362.52	68.34	49.69	49.90	0.21	NA	2.00	23.00	3312.80	
RW-8	11/27/18	3362.52	68.34	49.72	49.98	0.26	NA	2.00	23.00	3312.76	
RW-8	12/07/18	3362.52	68.34	49.72	49.94	0.22	NA	3.00	22.00	3312.77	
RW-8	12/12/18	3362.52	68.34	49.75	49.99	0.24	NA	2.00	23.00	3312.73	
RW-8	12/18/18	3362.52	68.34	49.78	49.96	0.18	NA	3.00	22.00	3312.71	
RW-8	01/03/19	3362.52	68.34	49.87	50.28	0.41	NA	3.00	22.00	3312.59	
RW-8	01/08/19	3362.52	68.34	49.82	49.99	0.17	NA	3.00	22.00	3312.67	
RW-8	01/29/19	3362.52	68.34	49.6	49.74	0.14	NA	sheen	20.00	3312.90	
RW-8	02/05/19	3362.52	68.34	49.19	49.97	0.78	NA	0.50	19.50	3313.21	
RW-8	02/12/19	3362.52	68.34	49.68	49.81	0.13	NA	2.00	23.00	3312.82	
RW-8	02/27/19	3362.52	68.34	49.7	49.86	0.16	NA	2.00	23.00	3312.80	
RW-8	03/06/19	3362.52	68.34	49.76	49.96	0.20	NA	2.00	23.00	3312.73	
RW-8	03/12/19	3362.52	68.34	49.76	49.99	0.23	NA	2.00	23.00	3312.73	
RW-8	03/21/19	3362.52	68.34	49.79	50.03	0.24	NA	2.00	23.00	3312.69	
RW-8	03/28/19	3362.52	68.34	49.78	50.01	0.23	NA	2.00	23.00	3312.71	
RW-8	04/02/19	3362.52	68.34	49.8	50.05	0.25	NA	2.00	23.00	3312.68	
RW-8	04/10/19	3362.52	68.34	49.72	50.00	0.28	NA	2.00	23.00	3312.76	
RW-8	04/16/19	3362.52	68.34	49.71	50.04	0.33	NA	2.00	23.00	3312.76	
RW-8	04/24/19	3362.52	68.34	49.72	50.01	0.29	NA	2.00	23.00	3312.76	
RW-8	05/01/19	3362.52	68.34	49.42	49.61	0.19	NA	2.00	23.00	3313.07	
RW-8	05/08/19	3362.52	68.34	49.46	49.61	0.15	NA	2.00	23.00	3313.04	
RW-8	05/17/19	3362.52	68.34	49.51	49.68	0.17	NA	2.00	23.00	3312.98	
RW-8	05/24/19	3362.52	68.34	49.55	49.67	0.12	NA	2.00	23.00	3312.95	
RW-8	06/05/19	3362.52	68.34	49.59	49.73	0.14	NA	2.00	23.00	3312.91	
RW-8	06/14/19	3362.52	68.34	49.45	49.46	0.01	NA	sheen	10.00	3313.07	
RW-8	06/20/19	3362.52	68.34	49.62	49.70	0.08	NA	2.00	23.00	3312.89	
RW-8	06/25/19	3362.52	68.34	49.49	49.63	0.14	NA	0.25	10.00	3313.01	
RW-8	07/02/19	3362.52	68.34	49.51	49.53	0.02	NA	0.25	24.75	3313.01	
RW-8	07/10/19	3362.52	68.34	49.5	49.52	0.02	NA	sheen	10.00	3313.02	
RW-8	07/26/19	3362.52	68.34	49.46	49.50	0.04	NA	0.25	9.75	3313.05	
RW-8	08/11/19	3362.52	68.34	49.46	49.57	0.11	NA	0.25	1.75	3313.04	
RW-8	08/14/19	3362.52	68.34	49.48	49.53	0.05	NA	sheen	10.00	3313.03	
RW-8	08/21/19	3362.52	68.34	49.49	49.50	0.01	NA	sheen	25.00	3313.03	
RW-8	09/06/19	3362.52	68.34	49.46	49.60	0.14	NA	0.25	9.75	3313.04	

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								PSH	H_2O		
RW-8	09/12/19	3362.52	68.34	ND	49.58	ND	NA	NA	NA	3312.94	
RW-8	09/19/19	3362.52	68.34	ND	48.52	ND	NA	NA	NA	3314.00	
RW-8	09/26/19	3362.52	68.34	49.88	50.10	0.22	NA	3.00	22.00	3312.61	
RW-8	10/16/19	3362.52	68.34	49.48	49.51	0.03	NA	sheen	10.00	3313.04	
RW-8	10/23/19	3362.52	68.34	49.45	49.50	0.05	NA	2.00	23.00	3313.06	
RW-8	10/31/19	3362.52	68.34	49.55	49.62	0.07	NA	sheen	10.00	3312.96	
RW-8	11/05/19	3362.52	68.34	49.42	49.44	0.02	NA	NA	NA	3313.10	
RW-8	11/14/19	3362.52	68.34	49.58	49.60	0.02	NA	sheen	10.00	3312.94	
RW-8	11/26/19	3362.52	68.34	49.38	49.41	0.03	NA	sheen	10.00	3313.14	
RW-8	12/03/19	3362.52	68.34	49.39	49.40	0.01	NA	sheen	10.00	3313.13	
RW-8	12/13/19	3362.52	68.34	49.35	49.40	0.05	NA	NA	NA	3313.16	MDPE
RW-8	12/20/19	3362.52	68.34	ND	49.42	ND	NA	3.00	22.00	3313.10	
RW-8	12/26/19	3362.52	68.34	ND	49.40	ND	NA	2.00	23.00	3313.12	0.24
RW-8	01/02/20	3362.52	68.34	49.45	49.47	0.02	NA	sheen	10.00	3313.07	
RW-8	01/09/20	3362.52	68.34	ND	49.35	ND	NA	NA	NA	3313.17	
RW-8	01/14/20	3362.52	68.34	ND	49.37	ND	NA	NA	10.00	3313.15	
RW-8	01/31/20	3362.52	68.34	sheen	49.32	sheen	NA	sheen	10.00	3313.20	
RW-8	02/07/20	3362.52	68.34	sheen	49.32	sheen	NA	sheen	10.00	3313.20	
RW-8	02/12/20	3362.52	68.34	sheen	49.28	sheen	NA	sheen	10.00	3313.24	
RW-8	02/19/20	3362.52	68.34	49.32	49.35	0.03	NA	sheen	10.00	3313.20	
RW-8	02/26/20	3362.52	68.34	49.37	49.41	0.04	NA	sheen	10.00	3313.14	
RW-8	03/05/20	3362.52	68.34	49.37	49.41	0.04	NA	sheen	10.00	3313.14	
RW-8	03/11/20	3362.52	68.34	49.33	49.35	0.02	NA	sheen	10.00	3313.19	
RW-8	03/17/20	3362.52	68.34	49.23	49.24	0.01	NA	sheen	10.00	3313.29	
RW-8	03/23/20	3362.52	68.34	49.24	49.26	0.02	NA	sheen	10.00	3313.28	
RW-8	05/07/20	3362.52	68.34	49.20	49.24	0.04	NA	NA	NA	3313.31	guage only
RW-8	05/20/20	3362.52	68.34	49.13	49.20	0.07	NA	0.25	9.75	3313.38	
RW-8	06/03/20	3362.52	68.34	49.11	49.17	0.06	NA	0.25	9.75	3313.40	
RW-8	06/16/20	3362.52	68.34	sheen	49.20	sheen	NA	sheen	10.00	3313.32	
RW-8	07/14/20	3362.52	68.34	49.12	49.21	0.09	NA	0.25	9.75	3313.39	
RW-8	08/18/20	3362.52	68.34	49.13	49.30	0.17	NA	0.50	9.50	3313.36	
RW-8	09/16/20	3362.52	68.34	48.15	48.22	0.07	NA	0.25	9.75	3314.36	
RW-8	10/08/20	3362.52	68.34	49.21	49.22	0.01	NA	sheen	10.00	3313.31	
RW-8	11/20/20	3362.52	68.34	49.13	49.28	0.15	NA	0.25	9.75	3313.37	
RW-8	12/04/20	3362.52	68.34	49.10	50.19	1.09	NA	3.50	21.50	3313.26	
RW-8	12/22/20	3362.52	68.34	49.18	50.00	0.82	NA	2.00	23.00	3313.22	
RW-8	01/07/21	3362.52	68.34	49.18	49.20	0.02	NA	sheen	20.00	3313.34	
RW-8	02/03/21	3362.52	68.34	49.08	49.25	0.17	NA	sheen	20.00	3313.41	
RW-8	03/19/21	3362.52	68.34	49.16	49.62	0.46	NA	2.00	18.00	3313.29	

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								PSH	H_2O		
RW-8	03/25/21	3362.52	68.34	49.06	49.31	0.25	NA	2.00	18.00	3313.42	
RW-8	04/09/21	3362.52	68.34	sheen	49.11	sheen	NA	sheen	25.00	3313.41	
RW-8	05/27/21	3362.52	68.34	49.05	52.70	3.65	NA	2.00	23.00	3312.92	
RW-8	06/17/21	3362.52	68.34	49.05	49.15	0.10	NA	2.00	23.00	3313.46	
RW-8	07/29/21	3362.52	68.34	49.06	49.10	0.04	NA	sheen	10.00	3313.45	
RW-8	08/03/21	3362.52	68.34	49.12	49.14	0.02	NA	0.50	9.50	3313.40	
RW-8	09/02/21	3362.52	68.34	49.05	49.10	0.05	NA	0.25	9.75	3313.46	
RW-8	09/15/21	3362.52	68.34	49.14	49.18	0.04	NA	NA	NA	3313.37	sampled
RW-8	09/23/21	3362.52	68.34	sheen	49.14	sheen	NA	sheen	10.00	3313.38	
RW-8	09/30/21	3362.52	68.34	sheen	49.13	sheen	NA	sheen	10.00	3313.39	
RW-8	10/15/21	3362.52	68.34	49.21	49.34	0.13	NA	1.00	9.00	3313.29	
RW-8	11/23/21	3362.52	68.34	49.02	49.08	0.06	NA	0.25	9.75	3313.49	
RW-8	12/16/21	3362.52	68.34	sheen	49.09	sheen	NA	sheen	10.00	3313.43	
RW-8	12/22/21	3362.52	68.34	49.11	49.13	0.02	NA	sheen	10.00	3313.41	
RW-8	01/05/22	3362.52	68.34	49.13	49.18	0.05	NA	0.25	9.75	3313.38	
RW-8	01/13/22	3362.52	68.34	49.04	49.05	0.01	NA	sheen	10.00	3313.48	
RW-8	02/18/22	3362.52	68.34	49.04	49.09	0.05	NA	0.25	9.75	3313.47	
RW-8	03/11/22	3362.52	68.34	sheen	49.02	sheen	NA	sheen	10.00	3313.50	
RW-8	03/15/22	3362.52	68.34	49.00	49.03	0.03	NA	sheen	10.00	3313.52	
RW-8	04/01/22	3362.52	68.34	sheen	48.98	sheen	NA	sheen	10.00	3313.54	
RW-8	03/22/22	3362.52	68.34	sheen	49.00	sheen	NA	sheen	10.00	3313.52	
RW-8	04/08/22	3362.52	68.34	49.04	49.28	0.24	NA	0.25	9.75	3313.44	
RW-8	04/21/22	3362.52	68.34	49.11	49.32	0.21	NA	sheen	10.00	3313.38	
RW-8	05/05/22	3362.52	68.34	49.02	49.20	0.18	NA	0.25	9.75	3313.47	
RW-8	06/23/22	3362.52	68.34	48.91	49.08	0.17	NA	sheen	10.00	3313.58	
RW-8	06/30/22	3362.52	68.34	49.08	49.16	0.08	NA	sheen	10.00	3313.43	
RW-8	07/27/22	3362.52	68.34	49.10	49.26	0.16	NA	sheen	10.00	3313.40	
RW-8	08/18/22	3362.52	68.34	49.15	49.48	0.33	NA	sheen	10.00	3313.32	
RW-8	09/21/22	3362.52	68.34	49.22	49.45	0.23	NA	0.25	9.75	3313.27	
RW-8	09/28/22	3362.52	68.34	49.22	49.28	0.06	NA	1.00	9.00	3313.29	
RW-8	10/07/22	3362.52	68.34	49.30	49.38	0.08	NA	1.00	9.00	3313.21	
RW-8	12/08/22	3362.52	68.34	49.16	49.21	0.05	NA	2.00	23.00	3313.35	

Wells re-surveyed in November 2006, RW-2 used as bench mark (3362.00 ft)

NA: Not applicable
ND: Not detected
NG: Not gauged
* Possible error in field reading, corrected and noted as such in field notes

TABLE 3
2020-2022 Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B			
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
			NMOCD Remediation Criteria			
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L
MW-1	03/18/20	L1201828-01	<0.001	<0.001	<0.001	<0.003
MW-1	06/17/20	L1231256-01	<0.001	<0.001	<0.001	<0.003
MW-1	09/16/20	L1263780-01	<0.001	<0.001	<0.001	<0.003
MW-1	12/23/20	L1300493-01	<0.001	<0.001	<0.001	<0.003
MW-1	03/25/21	NS	NS	NS	NS	NS
MW-1	06/17/21	L1369543-01	<0.001	<0.001	<0.001	<0.003
MW-1	09/16/21	NS	NS	NS	NS	NS
MW-1	12/16/21	L1444115-01	<0.001	<0.001	<0.001	<0.003
MW-1	03/16/22	NS	NS	NS	NS	NS
MW-1	06/23/22	L1509144-01	<0.0000941	<0.000278	<0.000137	<0.000174
MW-1	09/28/22	L1541769-01	<0.0000941	<0.000278	<0.000137	<0.000174
MW-2	03/18/20	L1201828-02	<0.001	<0.001	<0.001	<0.003
MW-2	06/17/20	L1231256-02	<0.001	<0.001	<0.001	<0.003
MW-2	09/16/20	L1263780-02	<0.001	<0.001	<0.001	<0.003
MW-2	12/23/20	L1300493-02	<0.001	<0.001	<0.001	<0.003
MW-2	03/25/21	NS	NS	NS	NS	NS
MW-2	06/18/21	L1369543-02	<0.001	<0.001	<0.001	<0.003
MW-2	09/16/21	NS	NS	NS	NS	NS
MW-2	12/16/21	L1444115-02	<0.001	<0.001	<0.001	<0.003
MW-2	03/16/22	NS	NS	NS	NS	NS
MW-2	06/23/22	L1509144-02	<0.0000941	<0.000278	<0.000137	<0.000174
MW-2	09/28/22	L1541769-02	<0.0000941	<0.000278	<0.000137	<0.000174
MW-3	03/18/20	L1201828-03	<0.001	<0.001	<0.001	<0.003
MW-3	06/17/20	L1231256-03	<0.001	<0.001	<0.001	<0.003
MW-3	09/16/20	L1263780-03	<0.001	<0.001	<0.001	<0.003
MW-3	12/23/20	L1300493-03	<0.001	<0.001	<0.001	<0.003
MW-3	03/25/21	L1331415-01	<0.001	<0.001	<0.001	<0.003
MW-3	06/18/21	L1369543-03	<0.001	<0.001	<0.001	<0.003
MW-3	09/16/21	L1405764-01	<0.001	<0.001	<0.001	<0.003
MW-3	12/16/21	L1444115-03	<0.001	<0.001	<0.001	<0.003
MW-3	03/16/22	I1473398-01	<0.001	<0.001	<0.001	<0.003
MW-3	06/23/22	L1509144-03	<0.0000941	<0.000278	<0.000137	<0.000174
MW-3	09/28/22	L1541769-03	<0.0000941	<0.000278	<0.000137	<0.000174
MW-4	03/18/20	L1201828-04	<0.001	<0.001	<0.001	<0.003
MW-4	06/17/20	L1231256-04	<0.001	<0.001	<0.001	<0.003
MW-4	09/16/20	L1263780-04	<0.001	<0.001	<0.001	<0.003
MW-4	12/23/20	L1300493-04	<0.001	<0.001	<0.001	<0.003
MW-4	03/25/21	L1331415-02	<0.001	<0.001	<0.001	<0.003
MW-4	06/17/21	L1369543-04	<0.001	<0.001	<0.001	<0.003
MW-4	09/16/21	L1405764-02	<0.001	<0.001	<0.001	<0.003
MW-4	12/16/21	L1444115-04	<0.001	<0.001	<0.001	<0.003
MW-4	03/16/22	NS	NS	NS	NS	NS
MW-4	06/23/22	L1509144-04	<0.0000941	<0.000278	<0.000137	<0.000174
MW-4	09/28/22	L1541769-04	<0.0000941	<0.000278	<0.000137	<0.000174

TABLE 3
2020-2022 Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B			
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
			NMOCD Remediation Criteria			
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L
MW-5	03/18/20	L1201828-05	<0.001	<0.001	<0.001	<0.003
MW-5	06/17/20	L1231256-05	<0.001	<0.001	<0.001	<0.003
MW-5	09/16/20	L1263780-05	<0.001	<0.001	<0.001	<0.003
MW-5	12/23/20	L1300493-05	<0.001	<0.001	<0.001	<0.003
MW-5	03/25/21	L1331415-03	<0.001	<0.001	<0.001	<0.003
MW-5	06/18/21	L1369543-05	<0.001	<0.001	<0.001	<0.003
MW-5	09/16/21	L1405764-03	<0.001	<0.001	<0.001	<0.003
MW-5	12/16/21	L1444115-05	<0.001	<0.001	<0.001	<0.003
MW-5	03/16/22	L1473398-02	<0.001	<0.001	<0.001	<0.003
MW-5	06/23/22	L1509144-05	<0.0000941	<0.000278	<0.000137	<0.000174
MW-5	09/28/22	L1541769-05	<0.0000941	<0.000278	<0.000137	<0.000174
MW-6	03/18/20	L1201828-06	<0.001	<0.001	<0.001	<0.003
MW-6	09/16/20	L1263780-06	<0.001	<0.001	<0.001	<0.003
MW-6	06/17/20	L1231256-06	<0.001	<0.001	<0.001	<0.003
MW-6	12/23/20	L1300493-06	<0.001	<0.001	<0.001	<0.003
MW-6	03/25/21	L1331415-04	<0.001	<0.001	<0.001	<0.003
MW-6	06/18/21	L1369543-06	<0.001	<0.001	<0.001	<0.003
MW-6	09/16/21	L1405764-04	<0.001	<0.001	<0.001	<0.003
MW-6	12/16/21	L1444115-06	<0.001	<0.001	<0.001	<0.003
MW-6	03/16/22	NS	NS	NS	NS	NS
MW-6	06/23/22	L1509144-06	<0.0000941	<0.000278	<0.000137	<0.000174
MW-6	09/28/22	L1541769-06	<0.0000941	<0.000278	<0.000137	<0.000174
MW-7	03/18/20	L1201828-07	<0.001	<0.001	<0.001	<0.003
MW-7	06/17/20	L1231256-07	<0.001	<0.001	<0.001	<0.003
MW-7	09/16/20	L1263780-07	<0.001	<0.001	<0.001	<0.003
MW-7	12/23/20	L1300493-07	<0.001	<0.001	<0.001	<0.003
MW-7	03/25/21	L1331415-05	<0.001	<0.001	<0.001	<0.003
MW-7	06/17/21	L1369543-07	<0.001	<0.001	<0.001	<0.003
MW-7	09/16/21	L1405764-05	<0.001	<0.001	<0.001	<0.003
MW-7	12/16/21	L1444115-07	<0.001	<0.001	<0.001	<0.003
MW-7	03/16/22	NS	NS	NS	NS	NS
MW-7	06/23/22	L1509144-07	<0.0000941	<0.000278	<0.000137	<0.000174
MW-7	09/28/22	L1541769-07	<0.0000941	<0.000278	<0.000137	<0.000174
RW-1	03/18/20	L1201828-08	0.00355	0.00100	0.0275	0.0522
RW-1	06/17/20	L1231256-08	0.00794	<0.001	0.0515	0.0847
RW-1	09/16/20	L1263780-08	0.00145	<0.001	0.0231	0.0289
RW-1	12/23/20	L1300493-08	0.00113	<0.001	0.00399	0.00512
RW-1	03/25/21	L1331415-06	0.00296	<0.001	0.0214	0.0256
RW-1	06/17/21	L1369543-08	0.00714	<0.001	0.0322	0.0320
RW-1	09/16/21	L1405764-06	0.00577	0.00270	0.0121	0.0178
RW-1	12/16/21	L1444115-08	0.00454	<0.001	0.0149	0.0158
RW-1	03/16/22	l1473398-03	**0.0128**	0.00141	0.0356	0.0205
RW-1	06/23/22	L1509144-08	0.00478	<0.000278	0.00883	0.0106 J
RW-1	09/28/22	L1541769-08	0.00103	<0.000278	0.00378	0.00494

TABLE 3
2020-2022 Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B			
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
			NMOCD Remediation Criteria			
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L
RW-2	03/18/20	NS	NS	NS	NS	NS
RW-2	06/17/20	L1231256-09	0.00404	0.0041	0.0158	0.0641
RW-2	09/16/20	NS	NS	NS	NS	NS
RW-2	12/23/20	NS	NS	NS	NS	NS
RW-2	03/25/21	NS	NS	NS	NS	NS
RW-2	06/17/21	L1369543-09	0.0041	0.00201	0.0205	0.0490
RW-2	09/16/21	NS	NS	NS	NS	NS
RW-2	12/16/21	NS	NS	NS	NS	NS
RW-2	03/16/22	L1473398-04	0.00134	<0.001	<0.001	0.00938
RW-2	06/23/22	L1509144-09	0.00546	0.00106	0.00658	0.0373
RW-2	09/28/22	NS	NS	NS	NS	NS
RW-3	03/18/20	NS	NS	NS	NS	NS
RW-3	06/17/20	L1231256-10	<0.001	<0.001	0.00789	0.0179
RW-3	09/16/20	L1263780-09	<0.001	<0.001	0.0137	0.0317
RW-3	12/23/20	NS	NS	NS	NS	NS
RW-3	03/25/21	L1331415-07	0.00178	<0.001	0.00930	0.0163
RW-3	06/18/21	L1369543-10	<0.001	<0.001	0.00449	0.00619
RW-3	09/16/21	NS	NS	NS	NS	NS
RW-3	12/16/21	NS	NS	NS	NS	NS
RW-3	03/16/22	NS	NS	NS	NS	NS
RW-3	06/23/22	L1509144-10	0.000539 J	<0.000278	0.00197	0.00146 J
RW-3	09/28/22	L1541769-09	0.00126	<0.000278	0.00213	0.00174 J
RW-4	03/18/20	L1201828-09	<0.001	<0.001	<0.001	<0.003
RW-4	06/17/20	L1231256-11	<0.001	<0.001	<0.001	<0.003
RW-4	09/16/20	L1263780-10	<0.001	<0.001	<0.001	<0.003
RW-4	12/23/20	L1300493-09	<0.001	<0.001	<0.001	<0.003
RW-4	03/25/21	L1331415-08	<0.001	<0.001	<0.001	<0.003
RW-4	06/18/21	L1369543-11	<0.001	<0.001	<0.001	<0.003
RW-4	09/16/21	NS	NS	NS	NS	NS
RW-4	12/16/21	L1444115-09	<0.001	<0.001	<0.001	<0.003
RW-4	03/16/22	NS	NS	NS	NS	NS
RW-4	06/23/22	L1509144-11	<0.0000941	<0.000278	<0.000137	<0.000174
RW-4	09/28/22	L1541769-10	<0.0000941	<0.000278	<0.000137	<0.000174
RW-5	03/18/20	L1201828-10	<0.001	<0.001	<0.001	<0.003
RW-5	06/17/20	L1231256-12	<0.001	<0.001	<0.001	<0.003
RW-5	09/16/20	L1263780-11	<0.001	<0.001	<0.001	<0.003
RW-5	12/23/20	L1300493-10	<0.001	<0.001	<0.001	<0.003
RW-5	03/25/21	NS	NS	NS	NS	NS
RW-5	06/18/21	L1369543-12	<0.001	<0.001	<0.001	<0.003
RW-5	09/16/21	NS	NS	NS	NS	NS
RW-5	12/16/21	L1444115-10	<0.001	<0.001	<0.001	<0.003
RW-5	03/16/22	NS	NS	NS	NS	NS
RW-5	06/23/22	L1509144-12	<0.0000941	<0.000278	<0.000137	<0.000174
RW-5	09/28/22	L1541769-11	<0.0000941	<0.000278	<0.000137	<0.000174

TABLE 3
2020-2022 Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B			
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
			NMOCD Remediation Criteria			
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L
RW-6	03/18/20	L1158995-11	<0.001	<0.001	<0.001	<0.003
RW-6	06/17/20	L1231256-13	<0.001	<0.001	<0.001	<0.003
RW-6	09/16/20	L1263780-12	<0.001	<0.001	<0.001	<0.003
RW-6	12/23/20	L1300493-11	<0.001	<0.001	<0.001	<0.003
RW-6	03/25/21	NS	NS	NS	NS	NS
RW-6	06/18/21	L1369543-13	<0.001	<0.001	<0.001	<0.003
RW-6	09/16/21	NS	NS	NS	NS	NS
RW-6	12/16/21	L1444115-11	<0.001	<0.001	<0.001	<0.003
RW-6	03/16/22	NS	NS	NS	NS	NS
RW-6	06/23/22	L1509144-13	<0.0000941	<0.000278	<0.000137	<0.000174
RW-6	09/28/22	L1541769-12	<0.0000941	<0.000278	<0.000137	<0.000174
RW-7	03/18/20	L1201828-11	<0.001	<0.001	<0.001	<0.003
RW-7	06/17/20	L1231256-14	0.0015	<0.001	0.00556	<0.003
RW-7	09/16/20	L1263780-13	0.0015	<0.001	<0.001	<0.003
RW-7	12/23/20	L1300493-12	<0.001	<0.001	0.00355	<0.003
RW-7	03/25/21	L1331415-09	0.00151	<0.001	0.00108	<0.003
RW-7	06/18/21	L1369543-14	<0.001	<0.001	0.00179	<0.003
RW-7	09/16/21	L1405764-07	0.00114	<0.001	0.00126	<0.003
RW-7	12/16/21	L1444115-12	0.00126	<0.001	<0.001	<0.003
RW-7	03/16/22	L1473398-05	0.00265	<0.001	0.00704	<0.003
RW-7	06/23/22	L1509144-14	0.000332 J	<0.000278	0.00104	<0.000174
RW-7	09/28/22	L1541769-13	0.00175	<0.000278	0.00140	<0.000174
RW-8	03/18/20	NS	NS	NS	NS	NS
RW-8	06/17/20	L1231256-15	**0.0424**	<0.005	0.115	0.258
RW-8	09/16/20	NS	NS	NS	NS	NS
RW-8	12/23/20	NS	NS	NS	NS	NS
RW-8	03/25/21	NS	NS	NS	NS	NS
RW-8	06/18/21	L1369543-15	0.00498	<0.001	0.0417	0.0832
RW-8	09/16/21	L1405764-08	**0.0265**	<0.001	0.0519	0.0913
RW-8	12/16/21	L1444115-13	0.00562	<0.001	0.0230	0.0545
RW-8	03/16/22	NS	NS	NS	NS	NS
RW-8	06/23/22	L1509144-15	0.000989 J	<0.000278	0.0219	0.0533
RW-8	09/28/22	NS	NS	NS	NS	NS

NS - not sampled
NMOCD: New Mexico Oil Conservation Division
Exceedences of NMOCD Remediation Criteria are shown in ***bold***

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-1	03/29/06	T13036-1	**0.557**	0.0032	0.0133	0.0092	
MW-1	06/10/06	T13862-1	**0.639** [a]	<0.00036	0.0033	0.0015 J	
MW-1	09/12/06	T14676-1	**0.512** [a]	<0.00020	<0.00033	<0.00036	
MW-1	12/06/06	T15618-1	**0.452** [a]	<0.00020	0.0049	<0.00036	
MW-1	02/28/07	T16494-1	**0.481** [a]	<0.00020	0.0191	<0.00036	
MW-1	05/30/07	T17645-1	**0.213** [a]	<0.00023	0.0043	<0.00055	
MW-1	09/06/07	T18811-1	**0.066**	<0.00023	0.006	<0.00055	
MW-1	11/13/07	T19737-1	**0.0955** [c]	<0.001	0.0091	<0.003	
MW-1	02/26/08	T21028-1	**0.0156**	<0.00023	0.00069 J	<0.00055	
MW-1	05/28/08	T22367-1	**0.031**	<0.00023	0.0022	<0.00055	
MW-1	08/18/08	T23538-1	0.001	<0.0005	<0.0005	<0.001	
MW-1	11/19/08	8112008	**0.0209**	0.00120	0.00330	<0.00100	
MW-1	02/17/09	187728	0.0027	<0.001	<0.001	<0.001	
MW-1	05/19/09	196550	0.0004 J	<0.000281	<0.000535	<0.000960	
MW-1	08/26/09	208325	<0.000133	<0.000281	<0.000535	<0.000960	
MW-1	11/18/09	215413	**0.223**	<0.00332	0.0617	<0.00143	
MW-1	02/11/10	222481	**0.0769**	<0.0004	0.0042	<0.000379	
MW-1	05/12/10	1005475-01	<0.0010	<0.0010	<0.0010	<0.0030	
MW-1	08/26/10	1008909-01	**0.017**	<0.0010	<0.0010	<0.0030	
MW-1	11/18/10	1011749-01	0.0077	<0.0010	<0.0010	<0.0030	
MW-1	02/23/11	1102701-04	**0.025**	<0.0010	<0.0010	<0.0030	
MW-1	06/01/11	1106050-01	0.0004 J	<0.0010	<0.0010	<0.0030	
MW-1	08/30/11	11081008-01	<0.001	<0.0010	<0.0010	<0.0030	
MW-1	11/28/11	1111901-01	<0.001	<0.0010	<0.0010	<0.0030	
MW-1	02/22/12	1202864-01	0.0010	<0.0010	<0.0010	<0.0030	
MW-1	05/22/12	12051078-01	<0.001	<0.0010	<0.0010	<0.0030	
MW-1	09/11/12	1209475-01	<0.001	<0.001	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-1	11/26/12	1211904-01	<0.001	<0.001	<0.001	<0.003	
MW-1	02/27/13	L622455-01	<0.001	<0.005	<0.001	<0.003	
MW-1	06/11/13	L641163-01	<0.001	<0.005	<0.001	<0.003	
MW-1	09/10/13	L656835-01	<0.001	<0.005	<0.001	<0.003	
MW-1	11/07/13	L667856-01	0.00046 J	<0.005	<0.001	<0.003	
MW-1	03/05/14	L686955-01	<0.001	<0.005	<0.001	<0.003	
MW-1	06/03/14	L703477-01	<0.001	<0.005	<0.001	<0.003	
MW-1	09/17/14	L722791-01	<0.001	<0.005	<0.001	<0.003	
MW-1	11/12/14	L733897-01	<0.001	<0.005	<0.001	<0.003	
MW-1	02/25/15	L750722-01	<0.001	<0.005	<0.001	<0.003	
MW-1	06/16/15	L772255-01	<0.001	<0.005	<0.001	<0.003	
MW-1	08/26/15	L785959-01	<0.001	<0.005	<0.001	<0.003	
MW-1	11/17/15	L802523-01	<0.001	<0.005	<0.001	<0.003	
MW-1	03/08/16	L822589-01	<0.001	<0.005	<0.001	<0.003	
MW-1	05/17/16	L836879-01	<0.001	<0.005	<0.001	<0.003	
MW-1	09/19/16	L860929-01	<0.001	<0.005	<0.001	<0.003	
MW-1	12/14/16	L879216-01	<0.001	<0.001	<0.001	<0.003	
MW-1	02/28/17	L893439-01	<0.001	<0.001	<0.001	<0.003	
MW-1	05/08/17	L908717-01	<0.001	<0.001	<0.001	<0.003	
MW-1	09/15/17	L936891-01	<0.001	<0.001	<0.001	<0.003	
MW-1	11/29/17	L954383-01	<0.001	<0.001	<0.001	<0.003	
MW-1	03/07/18	L976397-01	<0.001	<0.001	<0.001	<0.003	
MW-1	06/12/18	L1001691-01	<0.001	<0.001	<0.001	<0.003	
MW-1	09/05/18	L1023536-01	<0.001	<0.001	<0.001	<0.003	
MW-1	11/28/18	L1048614-01	<0.001	<0.001	<0.001	<0.003	
MW-1	02/12/19	L1069996-01	<0.001	<0.001	<0.001	<0.003	
MW-1	05/08/19	L1097774-01	<0.001	0.00486	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-1	08/22/19	L1132369-01	<0.001	<0.001	<0.001	<0.003	
MW-1	11/06/19	L1158995-01	<0.001	<0.001	<0.001	<0.003	
MW-1	03/18/20	L1201828	<0.001	<0.001	<0.001	<0.003	
MW-1	06/17/20	L1231256-01	<0.001	<0.001	<0.001	<0.003	
MW-1	09/16/20	L1263780-01	<0.001	<0.001	<0.001	<0.003	
MW-1	12/23/20	L1300493-01	<0.001	<0.001	<0.001	<0.003	
MW-1	03/25/21	NS	NS	NS	NS	NS	
MW-1	06/17/21	L1369543-01	<0.001	<0.001	<0.001	<0.003	
MW-1	09/16/21	NS	NS	NS	NS	NS	
MW-1	12/16/21	L1444115-01	<0.001	<0.001	<0.001	<0.003	
MW-1	06/23/22	L1509144-01	<0.0000941	<0.000278	<0.000137	<0.000174	
MW-1	09/28/22	L1541769-01	<0.0000941	<0.000278	<0.000137	<0.000174	
MW-2	03/29/06	T 13036-2	0.0012	0.0011	0.00042	<0.00072	
MW-2	06/10/06	T13862-2	0.00038 J	<0.00036	<0.00035	<0.00072	
MW-2	09/12/06	T14676-2	<0.00035	<0.00020	<0.00033	<0.00036	
MW-2	12/06/06	T15618-2	0.0012	0.00087 J	<0.00033	<0.00036	
MW-2	02/28/07	T16494-2	0.0044	0.0017	<0.00033	<0.00036	
MW-2	05/30/07	T17645-2	0.00065 J	<0.00023	<0.00035	<0.00055	
MW-2	09/06/07	T18811-2	<0.00021	<0.00023	<0.00035	<0.00055	
MW-2	11/13/07	T19737-2	<0.001	<0.001	<0.001	<0.003	
MW-2	02/26/08	T21028-2	<0.00021	<0.00023	<0.00035	<0.00055	
MW-2	05/28/08	T22367-2	<0.00021	<0.00023	<0.00035	<0.00055	
MW-2	08/18/08	T23538-2	0.00065 J	<0.0005	<0.0005	<0.001	
MW-2	11/19/08	8112008	<0.00100	<0.00100	<0.00100	<0.00100	
MW-2	02/17/09	187729	<0.00100	<0.00100	<0.00100	<0.00100	
MW-2	05/19/09	196551	<0.000133	<0.000281	<0.000535	0.0018	

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Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-2	08/26/09	208326	<0.000149	<0.000188	<0.000178	<0.000163	
MW-2	11/18/09	215414	<0.000160	<0.000332	<0.000230	<0.000143	
MW-2	02/11/10	222482	<0.000371	<0.0004	<0.00043	<0.000379	
MW-2	05/12/10	1005475-02	<0.001	<0.001	<0.001	<0.003	
MW-2	08/26/10	1008909-02	<0.001	<0.001	<0.001	<0.003	
MW-2	11/18/10	1011749-02	<0.001	<0.001	<0.001	<0.003	
MW-2	02/23/11	1102701-05	<0.001	<0.001	<0.001	<0.003	
MW-2	06/01/11	1106050-02	<0.001	<0.001	<0.001	<0.003	
MW-2	08/30/11	11081008-02	<0.001	<0.001	<0.001	<0.003	
MW-2	11/28/11	1111901-02	<0.001	<0.001	<0.001	<0.003	
MW-2	02/22/12	1202864-02	<0.001	<0.001	<0.001	<0.003	
MW-2	05/22/12	12051078-02	<0.001	<0.001	<0.001	<0.003	
MW-2	09/11/12	1209475-02	<0.001	<0.001	<0.001	<0.003	
MW-2	11/26/12	1211904-02	<0.001	<0.001	<0.001	<0.003	
MW-2	02/27/13	L622455-02	<0.001	<0.005	<0.001	<0.003	
MW-2	06/11/13	L641163-02	<0.001	<0.005	<0.001	<0.003	
MW-2	09/10/13	L656835-02	<0.001	<0.005	<0.001	<0.003	
MW-2	11/07/13	L667856-02	<0.001	<0.005	<0.001	<0.003	
MW-2	03/05/14	L686955-02	<0.001	<0.005	<0.001	<0.003	
MW-2	06/03/14	L703477-02	<0.001	<0.005	<0.001	<0.003	
MW-2	09/17/14	L722791-02	<0.001	<0.005	<0.001	<0.003	
MW-2	11/12/14	L733897-02	<0.001	<0.005	<0.001	<0.003	
MW-2	02/25/15	L750722-02	<0.001	<0.005	<0.001	<0.003	
MW-2	06/16/15	L772255-02	<0.001	<0.005	<0.001	<0.003	
MW-2	08/26/15	L785959-02	<0.001	<0.005	<0.001	<0.003	
MW-2	11/17/15	L802523-02	<0.001	<0.005	<0.001	<0.003	
MW-2	03/08/16	L822589-02	<0.001	<0.005	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-2	05/17/16	L836879-02	<0.001	<0.005	<0.001	<0.003	
MW-2	09/19/16	L860929-02	<0.001	<0.005	<0.001	<0.003	
MW-2	12/14/16	L879216-02	<0.001	<0.001	<0.001	<0.003	
MW-2	02/28/17	L893439-02	<0.001	<0.001	<0.001	<0.003	
MW-2	05/08/17	L908717-02	<0.001	<0.001	<0.001	<0.003	
MW-2	09/15/17	L936891-02	<0.001	<0.001	<0.001	<0.003	
MW-2	11/29/17	L954383-02	<0.001	<0.001	<0.001	<0.003	
MW-2	03/07/18	L976397-02	<0.001	<0.001	<0.001	<0.003	
MW-2	06/12/18	L1001691-02	<0.001	<0.001	<0.001	<0.003	
MW-2	09/05/18	L1023536-02	<0.001	<0.001	<0.001	<0.003	
MW-2	11/28/18	L1048614-02	<0.001	<0.001	<0.001	<0.003	
MW-2	02/12/19	L1069996-02	<0.001	<0.001	<0.001	<0.003	
MW-2	05/08/19	L1097774-02	<0.001	0.00488	<0.001	<0.003	
MW-2	08/22/19	L1132369-02	<0.001	<0.001	<0.001	<0.003	
MW-2	11/06/19	L1158995-02	<0.001	<0.001	<0.001	<0.003	
MW-2	03/18/20	L1201828-02	<0.001	<0.001	<0.001	<0.003	
MW-2	06/17/20	L1231256-02	<0.001	<0.001	<0.001	<0.003	
MW-2	09/16/20	L1263780-02	<0.001	<0.001	<0.001	<0.003	
MW-2	12/23/20	L1300493-02	<0.001	<0.001	<0.001	<0.003	
MW-2	03/25/21	NS	NS	NS	NS	NS	
MW-2	06/18/21	L1369543-02	<0.001	<0.001	<0.001	<0.003	
MW-2	09/16/21	NS	NS	NS	NS	NS	
MW-2	12/16/21	L1444115-02	<0.001	<0.001	<0.001	<0.003	
MW-2	06/23/22	L1509144-02	<0.0000941	<0.000278	<0.000137	<0.000174	
MW-2	09/28/22	L1541769-02	<0.0000941	<0.000278	<0.000137	<0.000174	
MW-3	03/29/06	T 13036-3	**0.0129**	0.0089	0.0021	0.0038	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-3	06/10/06	T13862-3	0.0075	0.0043	0.00071 J	0.002	
MW-3	09/12/06	T14676-3	0.0023	<0.00020	<0.00033	<0.00036	
MW-3	12/06/06	T15618-3	0.0021	0.00077 J	<0.00033	<0.00036	
MW-3	02/28/07	T16494-3	0.0078	0.0026	0.00061	0.0024 J	
MW-3	05/30/07	T17645-3	<0.00021	<0.00023	<0.00035	<0.00055	
MW-3	09/06/07	T18811-3	<0.00021	<0.00023	<0.00035	<0.00055	
MW-3	11/13/07	T19737-3	<0.001	<0.001	<0.001	<0.003	
MW-3	02/26/08	T21028-3	<0.00021	<0.00023	<0.00035	<0.00055	
MW-3	05/28/08	T22367-3	<0.00021	<0.00023	<0.00035	<0.00055	
MW-3	08/18/08	T23538-3	0.0019	<0.0005	<0.0005	<0.0005	
MW-3	11/19/08	8112008	<0.00100	<0.00100	<0.00100	<0.00100	
MW-3	02/17/09	187730	<0.00100	<0.00100	<0.00100	<0.00100	
MW-3	05/19/09	196552	0.0011	<0.000281	<0.000535	<0.000960	
MW-3	08/26/09	208327	<0.000149	<0.000188	<0.000178	<0.000163	
MW-3	11/18/09	215415	<0.000160	<0.000332	<0.000230	<0.000143	
MW-3	02/11/10	222483	<0.000371	<0.0004	<0.00043	<0.000379	
MW-3	08/26/10	1008909-03	<0.001	<0.001	<0.001	<0.003	
MW-3	11/18/10	1011749-03	<0.001	<0.001	<0.001	<0.003	
MW-3	02/23/11	1102701-06	<0.001	<0.001	<0.001	<0.003	
MW-3	06/01/11	1106050-03	<0.001	<0.001	<0.001	<0.003	
MW-3	08/30/11	11081008-03	<0.001	<0.001	<0.001	<0.003	
MW-3	11/28/11	1111901-03	<0.001	<0.001	<0.001	<0.003	
MW-3	02/22/12	1202864-03	<0.001	<0.001	<0.001	<0.003	
MW-3	05/22/12	12051078-03	<0.001	<0.001	<0.001	<0.003	
MW-3	09/11/12	1209475-03	<0.001	<0.001	<0.001	<0.003	
MW-3	11/26/12	1211904-02	<0.001	<0.001	<0.001	<0.003	
MW-3	02/27/13	L622455-03	<0.001	<0.005	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-3	06/11/13	L641163-03	<0.001	<0.005	<0.001	<0.003	
MW-3	09/10/13	L656835-03	<0.001	<0.005	<0.001	<0.003	
MW-3	11/07/13	L667856-03	<0.001	<0.005	<0.001	<0.003	
MW-3	03/05/14	L686955-03	<0.001	<0.005	<0.001	<0.003	
MW-3	06/03/14	L703477-03	<0.001	<0.005	<0.001	<0.003	
MW-3	09/17/14	L722791-03	<0.001	<0.005	<0.001	<0.003	
MW-3	11/12/14	L733897-03	<0.001	<0.005	<0.001	<0.003	
MW-3	02/25/15	L750722-03	<0.001	<0.005	<0.001	<0.003	
MW-3	06/16/15	L772255-03	<0.001	<0.005	<0.001	<0.003	
MW-3	08/26/15	L785959-03	<0.001	<0.005	<0.001	<0.003	
MW-3	11/17/15	L802523-03	<0.001	<0.005	<0.001	<0.003	
MW-3	03/08/16	L822589-03	<0.001	<0.005	<0.001	<0.003	
MW-3	05/17/16	L836879-03	<0.001	<0.005	<0.001	<0.003	
MW-3	09/19/16	L860929-03	<0.001	<0.005	<0.001	<0.003	
MW-3	12/14/16	L879216-03	<0.001	<0.001	<0.001	<0.003	
MW-3	02/28/17	L893439-03	<0.001	<0.001	<0.001	<0.003	
MW-3	05/08/17	L908717-03	<0.001	<0.001	<0.001	<0.003	
MW-3	09/15/17	L936891-03	<0.001	<0.001	<0.001	<0.003	
MW-3	11/29/17	L954383-03	<0.001	<0.001	<0.001	<0.003	
MW-3	03/07/18	L976397-03	<0.001	<0.001	<0.001	<0.003	
MW-3	06/12/18	L1001691-03	<0.001	<0.001	<0.001	<0.003	
MW-3	09/05/18	L1023536-03	<0.001	<0.001	<0.001	<0.003	
MW-3	11/28/18	L1048614-03	<0.001	<0.001	<0.001	<0.003	
MW-3	02/12/19	L1069996-03	<0.001	<0.001	<0.001	<0.003	
MW-3	05/08/19	L1097774-03	<0.001	<0.001	<0.001	<0.003	
MW-3	08/22/19	L1132369-03	<0.001	<0.001	<0.001	<0.003	
MW-3	11/06/19	L1158995-03	<0.001	<0.001	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-3	03/18/20	L1201828-03	<0.001	<0.001	<0.001	<0.003	
MW-3	06/17/20	L1231256-03	<0.001	<0.001	<0.001	<0.003	
MW-3	09/16/20	L1263780-03	<0.001	<0.001	<0.001	<0.003	
MW-3	12/23/20	L1300493-03	<0.001	<0.001	<0.001	<0.003	
MW-3	03/25/21	L1331415-01	<0.001	<0.001	<0.001	<0.003	
MW-3	06/18/21	L1369543-03	<0.001	<0.001	<0.001	<0.003	
MW-3	09/16/21	L1405764-01	<0.001	<0.001	<0.001	<0.003	
MW-3	12/16/21	L1444115-03	<0.001	<0.001	<0.001	<0.003	
MW-3	06/23/22	L1509144-03	<0.0000941	<0.000278	<0.000137	<0.000174	
MW-3	09/28/22	L1541769-03	<0.0000941	<0.000278	<0.000137	<0.000174	
MW-4	12/06/06	T15618-4	<0.00035	<0.00020	<0.00033	<0.00036	
MW-4	02/28/07	T16494-4	<0.00035	<0.00020	<0.00033	<0.00036	
MW-4	05/30/07	T17645-4	<0.00021	<0.00023	<0.00035	<0.00055	
MW-4	09/06/07	T18811-4	<0.00021	<0.00023	<0.00035	<0.00055	
MW-4	11/13/07	T19737-4	<0.001	<0.001	<0.001	<0.003	
MW-4	02/26/08	T21028-4	0.00086 J	<0.00023	<0.00035	<0.00055	
MW-4	05/28/08	T22367-4	<0.00021	<0.00023	<0.00035	<0.00055	
MW-4	08/18/08	T23538-4	<0.0005	<0.0005	<0.0005	<0.001	
MW-4	11/19/08	8112008	<0.00100	<0.00100	<0.00100	<0.00100	
MW-4	02/17/09	187731	<0.00100	<0.00100	<0.00100	<0.00100	
MW-4	05/19/09	196553	<0.000133	<0.000281	<0.000535	<0.000960	
MW-4	08/26/09	208328	<0.000149	<0.000188	<0.000178	<0.000163	
MW-4	11/18/09	215416	<0.000160	<0.000332	<0.000230	<0.000143	
MW-4	02/11/10	222484	<0.000371	<0.0004	<0.00043	<0.000379	
MW-4	05/12/10	1005475-04	<0.001	<0.001	<0.001	<0.003	
MW-4	08/26/10	1008909-04	<0.001	<0.001	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-4	11/18/10	1011749-04	<0.001	<0.001	<0.001	<0.003	
MW-4	02/23/11	1102701-07	<0.001	<0.001	<0.001	<0.003	
MW-4	06/01/11	1106050-04	<0.001	<0.001	<0.001	<0.003	
MW-4	08/30/11	11081008-04	<0.001	<0.001	<0.001	<0.003	
MW-4	11/28/11	1111901-04	<0.001	<0.001	<0.001	<0.003	
MW-4	02/22/12	1202864-04	<0.001	<0.001	<0.001	<0.003	
MW-4	05/22/12	12051078-04	<0.001	<0.001	<0.001	<0.003	
MW-4	09/11/12	1209475-04	<0.001	<0.001	<0.001	<0.003	
MW-4	11/26/12	1211904-04	<0.001	<0.001	<0.001	<0.003	
MW-4	02/27/13	L622455-04	<0.001	<0.005	<0.001	<0.003	
MW-4	06/11/13	L641163-04	<0.001	<0.005	<0.001	<0.003	
MW-4	09/10/13	L656835-04	<0.001	<0.005	<0.001	<0.003	
MW-4	11/07/13	L667856-04	<0.001	<0.005	<0.001	<0.003	
MW-4	03/05/14	L686955-04	<0.001	<0.005	<0.001	<0.003	
MW-4	06/03/14	L703477-04	<0.001	<0.005	<0.001	<0.003	
MW-4	09/17/14	L722791-04	<0.001	<0.005	<0.001	<0.003	
MW-4	11/12/14	L733897-04	<0.001	<0.005	<0.001	<0.003	
MW-4	02/25/15	L750722-04	<0.001	<0.005	<0.001	<0.003	
MW-4	06/16/15	L772255-04	<0.001	<0.005	<0.001	<0.003	
MW-4	08/26/15	L785959-04	<0.001	<0.005	<0.001	<0.003	
MW-4	11/17/15	L802523-04	<0.001	<0.005	<0.001	<0.003	
MW-4	03/08/16	L822589-04	<0.001	<0.005	<0.001	<0.003	
MW-4	05/17/16	L836879-04	<0.001	<0.005	<0.001	<0.003	
MW-4	09/19/16	L860929-04	<0.001	<0.005	<0.001	<0.003	
MW-4	12/14/16	L879216-04	<0.001	<0.001	<0.001	<0.003	
MW-4	02/28/17	L893439-04	<0.001	<0.001	<0.001	<0.003	
MW-4	05/08/17	L908717-04	<0.001	<0.001	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-4	09/15/17	L936891-04	<0.001	<0.001	<0.001	<0.003	
MW-4	11/29/17	L954383-04	<0.001	<0.001	<0.001	<0.003	
MW-4	03/07/18	L976397-04	<0.001	<0.001	<0.001	<0.003	
MW-4	06/12/18	L1001691-04	<0.001	<0.001	<0.001	<0.003	
MW-4	09/05/18	L1023536-04	<0.001	<0.001	<0.001	<0.003	
MW-4	11/28/18	L1048614-04	<0.001	<0.001	<0.001	<0.003	
MW-4	02/12/19	L1069996-04	<0.001	<0.001	<0.001	<0.003	
MW-4	05/08/19	L1097774-04	<0.001	0.00479	<0.001	<0.003	
MW-4	08/22/19	L1132369-04	<0.001	<0.001	<0.001	<0.003	
MW-4	11/06/19	L1158995-04	<0.001	<0.001	<0.001	<0.003	
MW-4	03/18/20	L1201828-04	<0.001	<0.001	<0.001	<0.003	
MW-4	06/17/20	L1231256-04	<0.001	<0.001	<0.001	<0.003	
MW-4	09/16/20	L1263780-04	<0.001	<0.001	<0.001	<0.003	
MW-4	12/23/20	L1300493-04	<0.001	<0.001	<0.001	<0.003	
MW-4	03/25/21	L1331415-02	<0.001	<0.001	<0.001	<0.003	
MW-4	06/17/21	L1369543-04	<0.001	<0.001	<0.001	<0.003	
MW-4	09/16/21	L1405764-02	<0.001	<0.001	<0.001	<0.003	
MW-4	12/16/21	L1444115-04	<0.001	<0.001	<0.001	<0.003	
MW-4	06/23/22	L1509144-04	<0.0000941	<0.000278	<0.000137	<0.000174	
MW-4	09/28/22	L1541769-04	<0.0000941	<0.000278	<0.000137	<0.000174	
MW-5	12/06/06	T15618-5	0.00055 J	<0.00020	<0.00033	<0.00036	
MW-5	02/28/07	T16494-5	<0.00035	<0.00020	<0.00033	<0.00036	
MW-5	05/30/07	T17645-5	<0.00021	<0.00023	<0.00035	<0.00055	
MW-5	09/06/07	T18811-5	<0.00021	<0.00023	<0.00035	<0.00055	
MW-5	11/13/07	T19737-5	<0.001	<0.001	<0.001	<0.003	
MW-5	02/26/08	T21028-5	<0.00021	<0.00023	<0.00035	<0.00055	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-5	05/28/08	T22367-5	<0.00021	<0.00023	<0.00035	<0.00055	
MW-5	08/18/08	T23538-5	<0.0005	<0.0005	<0.0005	<0.001	
MW-5	11/19/08	8112008	<0.00100	<0.00100	<0.00100	<0.00100	
MW-5	02/17/09	187732	<0.00100	<0.00100	<0.00100	<0.00100	
MW-5	05/19/09	196554	<0.000133	<0.000281	<0.000535	<0.000960	
MW-5	08/26/09	208329	<0.000149	<0.000188	<0.000178	<0.000163	
MW-5	11/18/09	215417	<0.000160	<0.000332	<0.000230	<0.000143	
MW-5	02/11/10	222485	<0.000371	<0.0004	<0.00043	<0.000379	
MW-5	05/12/10	1005475-05	<0.001	<0.001	<0.001	<0.003	
MW-5	08/26/10	1008909-05	<0.001	<0.001	<0.001	<0.003	
MW-5	11/18/10	1011749-05	<0.001	<0.001	<0.001	<0.003	
MW-5	02/23/11	1102701-08	<0.001	<0.001	<0.001	<0.003	
MW-5	06/01/11	1106050-05	<0.001	<0.001	<0.001	<0.003	
MW-5	08/30/11	11081008-05	<0.001	<0.001	<0.001	<0.003	
MW-5	11/28/11	1111901-05	<0.001	<0.001	<0.001	<0.003	
MW-5	02/22/12	1202864-05	<0.001	<0.001	<0.001	<0.003	
MW-5	05/22/12	12051078-05	<0.001	<0.001	<0.001	<0.003	
MW-5	09/11/12	1209475-05	<0.001	<0.001	<0.001	<0.003	
MW-5	11/26/12	1211904-05	<0.001	<0.001	<0.001	<0.003	
MW-5	02/27/13	L622455-05	<0.001	<0.005	<0.001	<0.003	
MW-5	06/11/13	L641163-05	<0.001	<0.005	<0.001	<0.003	
MW-5	09/10/13	L656835-05	<0.001	<0.005	<0.001	<0.003	
MW-5	11/07/13	L667856-05	<0.001	<0.005	<0.001	<0.003	
MW-5	03/05/14	L686955-05	<0.001	<0.005	<0.001	<0.003	
MW-5	06/03/14	L703477-05	<0.001	<0.005	<0.001	<0.003	
MW-5	09/17/14	L722791-05	<0.001	<0.005	0.019	0.0033	
MW-5	11/12/14	L733897-05	<0.001	<0.005	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-5	02/25/15	L750722-05	<0.001	<0.005	<0.001	<0.003	
MW-5	06/16/15	L772255-05	<0.001	<0.005	<0.001	<0.003	
MW-5	08/26/15	L785959-05	<0.001	<0.005	<0.001	<0.003	
MW-5	11/17/15	L802523-05	<0.001	<0.005	<0.001	<0.003	
MW-5	03/08/16	L822589-05	<0.001	<0.005	<0.001	<0.003	
MW-5	05/17/16	L836879-05	<0.001	<0.005	<0.001	<0.003	
MW-5	09/19/16	L860929-05	<0.001	<0.005	<0.001	<0.003	
MW-5	12/14/16	L879216-05	<0.001	<0.001	<0.001	<0.003	
MW-5	02/28/17	L893439-05	<0.001	<0.001	<0.001	<0.003	
MW-5	05/09/17	L908717-05	<0.001	<0.001	<0.001	<0.003	
MW-5	09/15/17	L936891-05	<0.001	<0.001	<0.001	<0.003	
MW-5	11/29/17	L954383-05	<0.001	<0.001	<0.001	<0.003	
MW-5	03/07/18	L976397-05	<0.001	<0.001	<0.001	<0.003	
MW-5	06/12/18	L1001691-05	<0.001	<0.001	<0.001	<0.003	
MW-5	09/05/18	L1023536-05	<0.001	<0.001	<0.001	<0.003	
MW-5	11/28/18	L1048614-05	<0.001	<0.001	<0.001	<0.003	
MW-5	02/12/19	L1069996-05	<0.001	<0.001	<0.001	<0.003	
MW-5	05/08/19	L1097774-05	<0.001	<0.001	<0.001	<0.003	
MW-5	08/22/19	L1132369-05	<0.001	<0.001	<0.001	<0.003	
MW-5	11/06/19	L1158995-05	<0.001	<0.001	<0.001	<0.003	
MW-5	03/18/20	L1201828-05	<0.001	<0.001	<0.001	<0.003	
MW-5	06/17/20	L1231256-05	<0.001	<0.001	<0.001	<0.003	
MW-5	09/16/20	L1263780-05	<0.001	<0.001	<0.001	<0.003	
MW-5	12/23/20	L1300493-05	<0.001	<0.001	<0.001	<0.003	
MW-5	03/25/21	L1331415-03	<0.001	<0.001	<0.001	<0.003	
MW-5	06/18/21	L1369543-05	<0.001	<0.001	<0.001	<0.003	
MW-5	09/16/21	L1405764-03	<0.001	<0.001	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-5	12/16/21	L1444115-05	<0.001	<0.001	<0.001	<0.003	
MW-5	06/23/22	L1509144-05	<0.0000941	<0.000278	<0.000137	<0.000174	
MW-5	09/28/22	L1541769-05	<0.0000941	<0.000278	<0.000137	<0.000174	
MW-6	12/06/06	T15618-6	<0.00035	<0.00020	<0.00033	<0.00036	
MW-6	02/28/07	T16494-6	<0.00035	<0.00020	<0.00033	<0.00036	
MW-6	05/30/07	T17645-6	<0.00021	<0.00023	<0.00035	<0.00055	
MW-6	09/06/07	T18811-6	<0.00021	<0.00023	<0.00035	<0.00055	
MW-6	11/13/07	T19737-6	<0.001	<0.001	<0.001	<0.003	
MW-6	02/26/08	T21028-6	<0.00021	<0.00023	<0.00035	<0.00055	
MW-6	05/28/08	T22367-6	<0.00021	<0.00023	<0.00035	<0.00055	
MW-6	08/18/08	T23538-6	<0.0005	<0.0005	<0.0005	<0.001	
MW-6	11/19/08	8112008	<0.00100	<0.00100	<0.00100	<0.00100	
MW-6	02/17/09	187733	<0.00100	<0.00100	<0.00100	<0.00100	
MW-6	05/19/09	196555	<0.000133	<0.000281	<0.000535	<0.000960	
MW-6	08/26/09	208330	<0.000149	<0.000188	<0.000178	<0.000163	
MW-6	11/18/09	215418	<0.000160	<0.000332	<0.000230	<0.000143	
MW-6	02/11/10	222486	<0.000371	<0.0004	<0.00043	<0.000379	
MW-6	05/12/10	1005475-06	<0.001	<0.001	<0.001	<0.003	
MW-6	08/26/10	1008909-06	<0.001	<0.001	<0.001	<0.003	
MW-6	11/18/10	1011749-06	<0.001	<0.001	<0.001	<0.003	
MW-6	02/23/11	1102701-09	<0.001	<0.001	<0.001	<0.003	
MW-6	06/01/11	1106050-06	<0.001	<0.001	<0.001	<0.003	
MW-6	08/30/11	11081008-06	<0.001	<0.001	<0.001	<0.003	
MW-6	11/28/11	1111901-06	<0.001	<0.001	<0.001	<0.003	
MW-6	02/22/12	1202864-06	<0.001	<0.001	<0.001	<0.003	
MW-6	05/22/12	12051078-06	<0.001	<0.001	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-6	09/11/12	1209475-06	<0.001	<0.001	<0.001	<0.003	
MW-6	11/26/12	1211904-06	<0.001	<0.001	<0.001	<0.003	
MW-6	02/27/13	L622455-06	<0.001	<0.005	<0.001	<0.003	
MW-6	06/11/13	L641163-06	<0.001	<0.005	<0.001	<0.003	
MW-6	09/10/13	L656835-06	<0.001	<0.005	<0.001	<0.003	
MW-6	11/07/13	L667856-06	<0.001	<0.005	<0.001	<0.003	
MW-6	03/05/14	L686955-06	<0.001	<0.005	<0.001	<0.003	
MW-6	06/03/14	L703477-06	<0.001	<0.005	<0.001	<0.003	
MW-6	09/17/14	L722791-06	<0.001	<0.005	<0.001	<0.003	
MW-6	11/12/14	L733897-06	<0.001	<0.005	<0.001	<0.003	
MW-6	02/25/15	L750722-06	<0.001	<0.005	<0.001	<0.003	
MW-6	06/16/15	L772255-06	<0.001	<0.005	<0.001	<0.003	
MW-6	08/26/15	L785959-06	<0.001	<0.005	<0.001	<0.003	
MW-6	11/17/15	L802523-06	<0.001	<0.005	<0.001	<0.003	
MW-6	03/08/16	L822589-06	<0.001	<0.005	<0.001	<0.003	
MW-6	05/17/16	L836879-06	<0.001	<0.005	<0.001	<0.003	
MW-6	09/19/16	L860929-06	<0.001	<0.005	<0.001	<0.003	
MW-6	12/14/16	L879216-06	<0.001	<0.001	<0.001	<0.003	
MW-6	02/28/17	L893439-06	<0.001	<0.001	<0.001	<0.003	
MW-6	05/09/17	L908717-06	<0.001	<0.001	<0.001	<0.003	
MW-6	09/15/17	L936891-06	<0.001	<0.001	<0.001	<0.003	
MW-6	11/29/17	L954383-06	<0.001	<0.001	<0.001	<0.003	
MW-6	03/07/18	L976397-06	<0.001	<0.001	<0.001	<0.003	
MW-6	06/12/18	L1001691-06	<0.001	<0.001	<0.001	<0.003	
MW-6	09/05/18	L1023536-06	<0.001	<0.001	<0.001	<0.003	
MW-6	11/28/18	L1048614-06	<0.001	<0.001	<0.001	<0.003	
MW-6	02/12/19	L1069996-06	<0.001	<0.001	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-6	05/08/19	L1097774-06	<0.001	<0.001	<0.001	<0.003	
MW-6	08/22/19	L1132369-06	<0.001	<0.001	<0.001	<0.003	
MW-6	11/06/19	L1158995-06	<0.001	<0.001	<0.001	<0.003	
MW-6	03/18/20	L1201828-06	<0.001	<0.001	<0.001	<0.003	
MW-6	09/16/20	L1263780-06	<0.001	<0.001	<0.001	<0.003	
MW-6	06/17/20	L1231256-06	<0.001	<0.001	<0.001	<0.003	
MW-6	12/23/20	L1300493-06	<0.001	<0.001	<0.001	<0.003	
MW-6	03/25/21	L1331415-04	<0.001	<0.001	<0.001	<0.003	
MW-6	06/18/21	L1369543-06	<0.001	<0.001	<0.001	<0.003	
MW-6	09/16/21	L1405764-04	<0.001	<0.001	<0.001	<0.003	
MW-6	12/16/21	L1444115-06	<0.001	<0.001	<0.001	<0.003	
MW-6	06/23/22	L1509144-06	<0.0000941	<0.000278	<0.000137	<0.000174	
MW-6	09/28/22	L1541769-06	<0.0000941	<0.000278	<0.000137	<0.000174	
MW-7	12/06/06	T15618-7	<0.00035	<0.00020	<0.00033	<0.00036	
MW-7	02/28/07	T16494-7	**0.0114**	<0.00020	<0.00033	<0.00036	
MW-7	05/30/07	T17645-7	0.0049	<0.00023	<0.00035	<0.00055	
MW-7	09/06/07	T18811-7	0.00073 J	<0.00023	<0.00035	<0.00055	
MW-7	11/13/07	T19737-7	<0.001	<0.001	<0.001	<0.003	
MW-7	02/26/08	T21028-7	<0.00021	<0.00023	<0.00035	<0.00055	
MW-7	05/28/08	T22367-7	0.00053 J	<0.00023	<0.00035	<0.00055	
MW-7	08/18/08	T23538-7	<0.0005	<0.0005	<0.0005	<0.001	
MW-7	11/19/08	8112008	<0.00100	<0.00100	<0.00100	<0.00100	
MW-7	02/17/09	187734	<0.00100	<0.00100	<0.00100	<0.00100	
MW-7	05/19/09	196556	<0.000133	<0.000281	<0.000535	<0.000960	
MW-7	08/26/09	208331	<0.000149	<0.000188	<0.000178	<0.000163	
MW-7	11/18/09	215419	<0.000160	<0.000332	<0.000230	<0.000143	
MW-7	02/11/10	222487	<0.000371	<0.0004	<0.00043	<0.000379	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-7	05/12/10	1005475-07	<0.001	<0.001	<0.001	<0.003	
MW-7	08/26/10	1008909-07	<0.001	<0.001	<0.001	<0.003	
MW-7	11/18/10	1011749-07	<0.001	<0.001	<0.001	<0.003	
MW-7	02/23/11	1102701-10	<0.001	<0.001	<0.001	<0.003	
MW-7	06/01/11	1106050-07	<0.001	<0.001	<0.001	<0.003	
MW-7	08/30/11	11081008-07	<0.001	<0.001	<0.001	<0.003	
MW-7	11/28/11	1111901-07	<0.001	<0.001	<0.001	<0.003	
MW-7	02/22/12	1202864-07	<0.001	<0.001	<0.001	<0.003	
MW-7	05/22/12	12051078-07	<0.001	<0.001	<0.001	<0.003	
MW-7	09/11/12	1209475-07	<0.001	<0.001	<0.001	<0.003	
MW-7	11/26/12	1211904-07	<0.001	<0.001	<0.001	<0.003	
MW-7	02/27/13	L622455-07	<0.001	<0.005	<0.001	<0.003	
MW-7	06/11/13	L641163-07	<0.001	<0.005	<0.001	<0.003	
MW-7	09/10/13	L656835-07	<0.001	<0.005	<0.001	<0.003	
MW-7	11/07/13	L667856-07	<0.001	<0.005	<0.001	<0.003	
MW-7	03/05/14	L686955-07	<0.001	<0.005	<0.001	<0.003	
MW-7	06/03/14	L703477-07	<0.001	<0.005	<0.001	<0.003	
MW-7	09/17/14	L722791-07	0.0012	<0.005	<0.001	<0.003	
MW-7	11/12/14	L733897-07	<0.001	<0.005	<0.001	<0.003	
MW-7	02/25/15	L750722-07	<0.001	<0.005	<0.001	<0.003	
MW-7	06/16/15	L772255-07	<0.001	<0.005	<0.001	<0.003	
MW-7	08/26/15	L785959-07	<0.001	<0.005	<0.001	<0.003	
MW-7	11/17/15	L802523-07	<0.001	<0.005	<0.001	<0.003	
MW-7	03/08/16	L822589-07	<0.001	<0.005	<0.001	<0.003	
MW-7	05/17/16	L836879-07	<0.001	<0.005	<0.001	<0.003	
MW-7	09/19/16	L860929-07	<0.001	<0.005	<0.001	<0.003	
MW-7	12/14/16	L879216-07	<0.001	<0.001	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-7	02/28/17	L893439-07	<0.001	<0.001	<0.001	<0.003	
MW-7	05/08/17	L908717-07	<0.001	<0.001	<0.001	<0.003	
MW-7	09/15/17	L936891-07	<0.001	<0.001	<0.001	<0.003	
MW-7	11/29/17	L954383-07	<0.001	<0.001	<0.001	<0.003	
MW-7	03/07/18	L976397-07	<0.001	<0.001	<0.001	<0.003	
MW-7	06/12/18	L1001691-07	<0.001	<0.001	<0.001	<0.003	
MW-7	09/05/18	L1023536-07	<0.001	<0.001	<0.001	<0.003	
MW-7	11/28/18	L1048614-07	<0.001	<0.001	<0.001	<0.003	
MW-7	02/12/19	L1069996-07	<0.001	<0.001	<0.001	<0.003	
MW-7	05/08/19	L1097774-07	<0.001	0.00461	<0.001	<0.003	
MW-7	08/22/19	L1132369-07	<0.001	<0.001	<0.001	<0.003	
MW-7	11/06/19	L1158995-07	<0.001	<0.001	<0.001	<0.003	
MW-7	03/18/20	L1201828-07	<0.001	<0.001	<0.001	<0.003	
MW-7	06/17/20	L1231256-07	<0.001	<0.001	<0.001	<0.003	
MW-7	09/16/20	L1263780-07	<0.001	<0.001	<0.001	<0.003	
MW-7	12/23/20	L1300493-07	<0.001	<0.001	<0.001	<0.003	
MW-7	03/25/21	L1331415-05	<0.001	<0.001	<0.001	<0.003	
MW-7	06/17/21	L1369543-07	<0.001	<0.001	<0.001	<0.003	
MW-7	09/16/21	L1405764-05	<0.001	<0.001	<0.001	<0.003	
MW-7	12/16/21	L1444115-07	<0.001	<0.001	<0.001	<0.003	
MW-7	06/23/22	L1509144-07	<0.0000941	<0.000278	<0.000137	<0.000174	
MW-7	09/28/22	L1541769-07	<0.0000941	<0.000278	<0.000137	<0.000174	
RW-1	06/01/11	1106050-08	**0.066**	0.016	0.057	0.18	
RW-1	05/22/12	12051078-08	**0.11**	0.066	0.077	0.36	
RW-1	06/11/13	L641163-08	**0.015**	0.0045 J	0.068	0.2	
RW-1	06/03/14	L703477-08	**0.19**	0.024	0.16	0.43	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
RW-1	06/16/15	L772255-08	**0.15**	0.0085 J	0.12	0.31	
RW-1	05/17/16	L836879-08	**0.0606**	0.00105 J	0.0335	0.0968	
RW-1	05/09/17	L908717-08	**0.018**	0.00107	0.0313	0.0808	
RW-1	06/12/18	L1001691-08	**0.0288**	<0.001	0.119	0.395	
RW-1	05/08/19	L1097774-08	**0.0110**	<0.005	0.109	0.162	
RW-1	11/06/19	L1158995-08	<0.005	<0.005	0.0245	0.0928	
RW-1	03/18/20	L1201828-08	0.00355	0.00100	0.0275	0.0522	
RW-1	06/17/20	L1231256-08	0.00794	<0.001	0.0515	0.0847	
RW-1	09/16/20	L1263780-08	0.00145	<0.001	0.0231	0.0289	
RW-1	12/23/20	L1300493-08	0.00113	<0.001	0.00399	0.00512	
RW-1	03/25/21	L1331415-06	0.00296	<0.001	0.0214	0.0256	
RW-1	06/17/21	L1369543-08	0.00714	<0.001	0.0322	0.0320	
RW-1	09/16/21	L1405764-06	0.00577	0.00270	0.0121	0.0178	
RW-1	12/16/21	L1444115-08	0.00454	<0.001	0.0149	0.0158	
RW-1	06/23/22	L1509144-08	0.00478	<0.00139	0.00883	0.0106 J	
RW-1	09/28/22	L1541769-08	0.00103	<0.000278	0.00378	0.00494	
RW-2	06/01/11	1106050-09	**0.034**	0.038	0.051	0.14	
RW-2	05/22/12	12051078-09	**0.19**	0.2	0.18	0.49	
RW-2	06/11/13	L641163-09	**0.028**	0.04	0.063	0.18	
RW-2	06/03/14	L703477-09	**0.03**	0.04	0.063	0.16	
RW-2	06/16/15	L772255-09	0.0055	0.0067 J	0.0078	0.017	
RW-2	05/17/16	L836879-09	**0.0176**	0.0151	0.029	0.0695	
RW-2	05/09/17	L908717-09	**0.0829**	0.135	0.331	0.562	
RW-2	06/13/18	L1001691-09	0.00586	0.00719	0.0164	0.0424	
RW-2	05/08/19	L1097774-09	**0.0438**	0.0380	0.174	0.441	
RW-2	06/17/20	L1231256-09	0.00404	0.0041	0.0158	0.0641	
RW-2	06/17/21	L1369543-09	**0.0410**	0.00201	0.0205	0.00490	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
RW-2	06/23/22	L1509144-09	0.00546	0.00106	0.00658	0.0373	
RW-3	06/01/11	110650-10	**0.21**	0.2	0.18	0.39	
RW-3	05/22/12	12051078-10	**0.31**	0.66	0.56	**1.1**	
RW-3	06/11/13	L641163-10	**0.016**	0.078	0.14	0.32	
RW-3	06/03/14	L703477-10	**0.026**	0.015 J	0.11	0.31	
RW-3	06/16/15	L772255-10	**0.019**	0.0046 J	0.09	0.37	
RW-3	05/17/16	L836879-10	**0.0142**	0.0163	0.0375	0.0965	
RW-3	05/09/17	L908717-10	**0.0196**	0.00222	0.0897	0.16	
RW-3	06/12/18	L1001691-10	**0.0505**	0.00191	0.476	**0.763**	
RW-3	05/08/19	L1097774-10	<0.005	0.00685	0.142	0.373	
RW-3	06/17/20	L1231256-10	<0.001	<0.001	0.00789	0.0179	
RW-3	09/16/20	L1263780-09	<0.001	<0.001	0.0137	0.0317	
RW-3	03/25/21	L1331415-07	0.00178	<0.001	0.00930	0.0163	
RW-3	06/18/21	L1369543-10	<0.001	<0.001	0.00449	0.00619	
RW-3	06/23/22	L1509144-10	0.000539 J	<0.000278	0.00197	0.00146 J	
RW-3	09/28/22	L1541769-09	0.00126	<0.000278	0.00213	0.00174 J	
RW-4	12/06/06	T15618-8	0.00099 J	0.00035 J	<0.00033	<0.00036	
RW-4	02/28/07	T16494-8	<0.00035	<0.00020	<0.00033	<0.00036	
RW-4	05/30/07	T17645-8	<0.00021	<0.00023	<0.00035	<0.00055	
RW-4	09/06/07	T18811-8	<0.00021	<0.00023	<0.00035	<0.00055	
RW-4	11/13/07	T19737-8	<0.001	<0.001	<0.001	<0.003	
RW-4	02/26/08	T21028-8	<0.00021	<0.00023	<0.00035	<0.00055	
RW-4	05/28/08	T22367-11	<0.00021	<0.00023	<0.00035	<0.00055	
RW-4	08/18/08	T23538-8	<0.0005	<0.0005	<0.0005	<0.001	
RW-4	11/19/08	8112008	<0.00100	<0.00100	<0.00100	<0.00100	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
RW-4	02/17/09	187735	<0.00100	<0.00100	<0.00100	<0.00100	
RW-4	05/19/09	196560	<0.000133	<0.000281	<0.000535	<0.000960	
RW-4	08/26/09	208332	<0.000149	<0.000188	<0.000178	<0.000163	
RW-4	11/18/09	215420	<0.000160	<0.000332	<0.000230	<0.000143	
RW-4	02/11/10	222488	<0.000371	<0.0004	<0.00043	<0.000379	
RW-4	05/12/10	1005475-11	<0.001	<0.001	<0.001	<0.003	
RW-4	08/26/10	1008909-08	<0.001	<0.001	<0.001	<0.003	
RW-4	11/18/10	1011749-08	<0.001	<0.001	<0.001	<0.003	
RW-4	02/23/11	1102701-01	<0.001	<0.001	<0.001	<0.003	
RW-4	06/01/11	1106050-11	<0.001	<0.001	<0.001	<0.003	
RW-4	08/30/11	11081008-08	<0.001	<0.001	<0.001	<0.003	
RW-4	11/28/11	1111901-08	<0.001	<0.001	<0.001	<0.003	
RW-4	02/22/12	1202864-08	<0.001	<0.001	<0.001	<0.003	
RW-4	05/22/12	12051078-11	<0.001	<0.001	<0.001	<0.003	
RW-4	09/11/12	1209475-08	<0.001	<0.001	<0.001	<0.003	
RW-4	11/26/12	1211904-08	<0.001	<0.001	<0.001	<0.003	
RW-4	02/27/13	L622455-08	<0.001	<0.005	<0.001	<0.003	
RW-4	06/11/13	L641163-11	<0.001	<0.005	<0.001	<0.003	
RW-4	09/10/13	L656835-08	<0.001	<0.005	<0.001	<0.003	
RW-4	11/07/13	L667856-08	<0.001	<0.005	<0.001	<0.003	
RW-4	03/05/14	L686955-08	<0.001	<0.005	<0.001	<0.003	
RW-4	06/03/14	L703477-11	<0.001	<0.005	<0.001	<0.003	
RW-4	09/17/14	L722791-08	<0.001	<0.005	<0.001	<0.003	
RW-4	11/12/14	L733897-08	<0.001	<0.005	<0.001	<0.003	
RW-4	02/25/15	L750722-08	<0.001	<0.005	<0.001	<0.003	
RW-4	06/16/15	L772255-11	<0.001	<0.005	<0.001	<0.003	
RW-4	08/26/15	L785959-08	<0.001	<0.005	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
RW-4	08/26/15	L785959-08	<0.001	<0.005	<0.001	<0.003	
RW-4	03/08/16	L822589-08	<0.001	<0.005	<0.001	<0.003	
RW-4	05/17/16	L836879-11	<0.001	<0.005	<0.001	<0.003	
RW-4	09/19/16	L860929-08	<0.001	<0.005	<0.001	<0.003	
RW-4	12/14/16	L879214-01	<0.001	<0.001	<0.001	<0.003	
RW-4	02/28/17	L893439-08	<0.001	<0.001	<0.001	<0.003	
RW-4	05/08/17	L908717-11	<0.001	<0.001	<0.001	<0.003	
RW-4	09/15/17	L936890-01	<0.001	<0.001	<0.001	<0.003	
RW-4	11/29/17	L954383-08	<0.001	<0.001	<0.001	<0.003	
RW-4	03/07/18	L976397-08	<0.001	<0.001	<0.001	<0.003	
RW-4	06/13/18	L1001691-11	<0.001	<0.001	<0.001	<0.003	
RW-4	09/05/18	L1023536-08	<0.001	<0.001	<0.001	<0.003	
RW-4	11/28/18	L1048614-08	<0.001	<0.001	<0.001	<0.003	
RW-4	02/12/19	L1069996-08	<0.001	<0.001	<0.001	<0.003	
RW-4	05/08/19	L1097774-15	<0.001	<0.001	<0.001	<0.003	
RW-4	08/22/19	L1132369-08	<0.001	<0.001	<0.001	<0.003	
RW-4	11/06/19	L1158995-09	<0.001	<0.001	<0.001	<0.003	
RW-4	03/18/20	L1201828-09	<0.001	<0.001	<0.001	<0.003	
RW-4	06/17/20	L1231256-11	<0.001	<0.001	<0.001	<0.003	
RW-4	09/16/20	L1263780-10	<0.001	<0.001	<0.001	<0.003	
RW-4	12/23/20	L1300493-09	<0.001	<0.001	<0.001	<0.003	
RW-4	03/25/21	L1331415-08	<0.001	<0.001	<0.001	<0.003	
RW-4	06/18/21	L1369543-11	<0.001	<0.001	<0.001	<0.003	
RW-4	09/16/21	NS	NS	NS	NS	NS	
RW-4	12/16/21	L1444115-09	<0.001	<0.001	<0.001	<0.003	
RW-4	06/23/22	L1509144-11	<0.0000941	<0.000278	<0.000137	<0.000174	
RW-4	09/28/22	L1541769-10	<0.0000941	<0.000278	<0.000137	<0.000174	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
RW-5	12/06/06	T15618-9	0.0035	0.00095 J	0.00043 J	<0.00036	
RW-5	02/28/07	T16494-9	**0.0193**	0.0038	0.0015	0.0014 J	
RW-5	05/30/07	T17645-9	0.0045	0.0011	0.00066 J	0.00056 J	
RW-5	09/06/07	T18811-9	0.0012	<0.00023	<0.00035	<0.00055	
RW-5	11/13/07	T19737-9	0.0024	<0.001	<0.001	<0.003	
RW-5	02/26/08	T21028-9	<0.00021	<0.00023	<0.00035	<0.00055	
RW-5	05/28/08	T22367-12	0.00045 J	<0.00023	<0.00035	<0.00055	
RW-5	08/18/08	T23538-9	<0.0005	<0.0005	<0.0005	<0.001	
RW-5	11/19/08	8112008	0.00260	<0.00100	<0.00100	<0.00100	
RW-5	02/17/09	187736	0.0048	<0.00100	<0.00100	<0.00100	
RW-5	05/19/09	196561	0.0003 J	<0.000281	<0.000535	0.0016	
RW-5	08/26/09	208333	0.0024	<0.000281	<0.000535	<0.000960	
RW-5	11/18/09	215421	0.0008 J	<0.000332	<0.000230	<0.000143	
RW-5	02/11/10	222489	<0.000371	<0.0004	<0.00043	<0.000379	
RW-5	05/12/10	1005475-12	<0.001	<0.001	<0.001	<0.003	
RW-5	08/26/10	1008909-09	<0.001	<0.001	<0.001	<0.003	
RW-5	11/18/10	1011749-09	<0.001	<0.001	<0.001	<0.003	
RW-5	02/23/11	1102701-02	<0.001	<0.001	<0.001	<0.003	
RW-5	06/01/11	1106050-12	<0.001	<0.001	<0.001	<0.003	
RW-5	08/30/11	11081008-09	<0.001	<0.001	<0.001	<0.003	
RW-5	11/28/11	1111901-09	<0.001	<0.001	<0.001	<0.003	
RW-5	02/22/12	1202864-09	<0.001	<0.001	<0.001	<0.003	
RW-5	05/22/12	12051078-12	<0.001	<0.001	<0.001	<0.003	
RW-5	09/11/12	1209475-09	<0.001	<0.001	<0.001	<0.003	
RW-5	11/26/12	1211904-09	<0.001	<0.001	<0.001	<0.003	
RW-5	02/27/13	L622455-09	<0.001	<0.005	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
RW-5	06/11/13	L641163-12	<0.001	<0.005	<0.001	<0.003	
RW-5	09/10/13	L656835-09	<0.001	<0.005	<0.001	<0.003	
RW-5	11/07/13	L667856-09	<0.001	<0.005	<0.001	<0.003	
RW-5	03/05/14	L686955-09	<0.001	<0.005	<0.001	<0.003	
RW-5	06/03/14	L703477-12	<0.001	<0.005	<0.001	<0.003	
RW-5	09/17/14	L722791-09	<0.001	<0.005	<0.001	<0.003	
RW-5	11/12/14	L733897-09	<0.001	<0.005	<0.001	<0.003	
RW-5	02/25/15	L750722-09	<0.001	<0.005	<0.001	<0.003	
RW-5	06/16/15	L772255-12	<0.001	<0.005	<0.001	<0.003	
RW-5	08/26/15	L785959-09	<0.001	<0.005	<0.001	<0.003	
RW-5	11/17/15	L802523-09	<0.001	<0.005	<0.001	<0.003	
RW-5	03/08/16	L822589-09	<0.001	<0.005	<0.001	<0.003	
RW-5	05/17/16	L836879-12	<0.001	<0.005	<0.001	<0.003	
RW-5	09/19/16	L860929-09	<0.001	<0.005	<0.001	<0.003	
RW-5	12/14/16	L879214-02	<0.001	<0.001	<0.001	<0.003	
RW-5	02/28/17	L893439-09	<0.001	<0.001	<0.001	<0.003	
RW-5	05/08/17	L908717-12	<0.001	<0.001	<0.001	<0.003	
RW-5	09/15/17	L936890-02	<0.001	<0.001	<0.001	<0.003	
RW-5	11/29/17	L954383-09	<0.001	<0.001	<0.001	<0.003	
RW-5	03/07/18	L976397-09	<0.001	<0.001	<0.001	<0.003	
RW-5	06/13/18	L1001691-12	<0.001	<0.001	<0.001	<0.003	
RW-5	09/05/18	L1023536-09	<0.001	<0.001	<0.001	<0.003	
RW-5	11/28/18	L1048614-09	<0.001	<0.001	<0.001	<0.003	
RW-5	02/12/19	L1069996-09	<0.001	<0.001	<0.001	<0.003	
RW-5	05/08/19	L1097774-11	<0.001	<0.001	<0.001	<0.003	
RW-5	08/22/19	L1132369-09	<0.001	<0.001	<0.001	<0.003	
RW-5	11/06/19	L1158995-10	<0.001	<0.001	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
RW-5	03/18/20	L1201828-10	<0.001	<0.001	<0.001	<0.003	
RW-5	06/17/20	L1231256-12	<0.001	<0.001	<0.001	<0.003	
RW-5	09/16/20	L1263780-11	<0.001	<0.001	<0.001	<0.003	
RW-5	12/23/20	L1300493-10	<0.001	<0.001	<0.001	<0.003	
RW-5	03/25/21	NS	NS	NS	NS	NS	
RW-5	06/18/21	L1369543-12	<0.001	<0.001	<0.001	<0.003	
RW-5	09/16/21	NS	NS	NS	NS	NS	
RW-5	12/16/21	L1444115-10	<0.001	<0.001	<0.001	<0.003	
RW-5	06/23/22	L1509144-12	<0.0000941	<0.000278	<0.000137	<0.000174	
RW-5	09/28/22	L1541769-11	<0.0000941	<0.000278	<0.000137	<0.000174	
RW-6	12/06/06	T15618-10	<0.00035	<0.00020	<0.00033	<0.00036	
RW-6	02/28/07	T16494-10	<0.00035	<0.00020	<0.00033	<0.00036	
RW-6	05/30/07	T17645-10	<0.00021	<0.00023	<0.00035	<0.00055	
RW-6	09/06/07	T18811-10	<0.00021	<0.00023	<0.00035	<0.00055	
RW-6	11/13/07	T19737-10	<0.001	<0.001	<0.001	<0.003	
RW-6	02/26/08	T21028-10	<0.00021	<0.00023	<0.00035	<0.00055	
RW-6	05/28/08	T22367-13	<0.00021	<0.00023	<0.00035	<0.00055	
RW-6	08/18/08	T23538-10	<0.0005	<0.0005	<0.0005	<0.001	
RW-6	11/19/08	8112008	<0.00100	<0.00100	<0.00100	<0.00100	
RW-6	02/17/09	187737	<0.00100	<0.00100	<0.00100	<0.00100	
RW-6	05/19/09	196562	0.0008 J	<0.000281	<0.000535	<0.000960	
RW-6	08/26/09	208334	0.0002 J	<0.000281	<0.000535	<0.000960	
RW-6	11/18/09	215422	<0.000160	<0.000332	<0.000230	<0.000143	
RW-6	02/11/10	222490	<0.000371	<0.0004	<0.00043	<0.000379	
RW-6	05/12/10	1005475-13	<0.001	<0.001	<0.001	<0.003	
RW-6	08/26/10	1008909-10	<0.001	<0.001	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
RW-6	11/18/10	1011749-10	<0.001	<0.001	<0.001	<0.003	
RW-6	02/23/11	1102701-03	<0.001	<0.001	<0.001	<0.003	
RW-6	06/01/11	1106050-13	<0.001	<0.001	<0.001	<0.003	
RW-6	08/30/11	11081008-10	<0.001	<0.001	<0.001	<0.003	
RW-6	11/28/11	1111901-10	<0.001	<0.001	<0.001	<0.003	
RW-6	02/22/12	1202864-10	<0.001	<0.001	<0.001	<0.003	
RW-6	05/22/12	12051078-13	<0.001	<0.001	<0.001	<0.003	
RW-6	09/11/12	1209475-09	<0.001	<0.001	<0.001	<0.003	
RW-6	11/26/12	1211904-10	<0.001	<0.001	<0.001	<0.003	
RW-6	02/27/13	L622455-10	<0.001	<0.005	<0.001	<0.003	
RW-6	06/11/13	L641163-12	<0.001	<0.005	<0.001	<0.003	
RW-6	09/10/13	L656835-10	<0.001	<0.005	<0.001	<0.003	
RW-6	11/07/13	L667856-10	<0.001	<0.005	<0.001	<0.003	
RW-6	03/05/14	L686955-10	<0.001	<0.005	<0.001	<0.003	
RW-6	06/03/14	L703477-13	<0.001	<0.005	<0.001	<0.003	
RW-6	09/17/14	L722791-10	<0.001	<0.005	<0.001	<0.003	
RW-6	11/12/14	L733897-10	<0.001	<0.005	<0.001	<0.003	
RW-6	02/25/14	L750722-11	<0.001	<0.005	<0.001	<0.003	
RW-6	06/16/15	L772255-13	<0.001	<0.005	<0.001	<0.003	
RW-6	08/26/15	L785959-10	<0.001	<0.005	<0.001	<0.003	
RW-6	11/17/15	L802523-10	<0.001	<0.005	<0.001	<0.003	
RW-6	03/08/16	L822589-10	<0.001	<0.005	<0.001	<0.003	
RW-6	05/17/16	L836879-13	<0.001	<0.005	<0.001	<0.003	
RW-6	09/19/16	L860929-10	<0.001	<0.005	<0.001	<0.003	
RW-6	12/14/16	L879214-03	<0.001	<0.001	<0.001	<0.003	
RW-6	02/28/17	L893439-10	<0.001	<0.001	<0.001	<0.003	
RW-6	05/08/17	L908717-13	<0.001	<0.001	<0.001	<0.003	

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Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
RW-6	09/15/17	L936890-03	<0.001	<0.001	<0.001	<0.003	
RW-6	11/29/17	L954383-10	<0.001	<0.001	<0.001	<0.003	
RW-6	03/07/18	L976397-10	<0.001	<0.001	<0.001	<0.003	
RW-6	06/13/18	L1001691-13	<0.001	<0.001	<0.001	<0.003	
RW-6	09/05/18	L1023536-10	<0.001	<0.001	<0.001	<0.003	
RW-6	11/28/18	L1048614-10	<0.001	<0.001	<0.001	<0.003	
RW-6	02/12/19	L1069996-10	<0.001	<0.001	<0.001	<0.003	
RW-6	05/08/19	L1097774-12	<0.001	<0.001	<0.001	<0.003	
RW-6	08/22/19	L1132369-10	<0.001	<0.001	<0.001	<0.003	
RW-6	11/06/19	L1158995-11	<0.001	<0.001	<0.001	<0.003	
RW-6	03/18/20	L1158995-11	<0.001	<0.001	<0.001	<0.003	
RW-6	06/17/20	L1231256-13	<0.001	<0.001	<0.001	<0.003	
RW-6	09/16/20	L1263780-12	<0.001	<0.001	<0.001	<0.003	
RW-6	12/23/20	L1300493-11	<0.001	<0.001	<0.001	<0.003	
RW-6	03/25/21	NS	NS	NS	NS	NS	
RW-6	06/18/21	L1369543-13	<0.001	<0.001	<0.001	<0.003	
RW-6	09/16/21	NS	NS	NS	NS	NS	
RW-6	12/16/21	L1444115-11	<0.001	<0.001	<0.001	<0.003	
RW-6	06/23/22	L1509144-13	<0.0000941	<0.000278	<0.000137	<0.000174	
RW-6	09/28/22	L1541769-12	<0.0000941	<0.000278	<0.000137	<0.000174	
RW-7	11/07/13	L667856-11	<0.001	<0.005	<0.001	<0.003	
RW-7	03/05/14	L686955-11	<0.001	<0.005	<0.001	<0.003	
RW-7	06/03/14	L703477-14	0.00036 J	<0.005	<0.001	<0.003	
RW-7	09/17/14	L722791-11	<0.001	<0.005	<0.001	<0.003	
RW-7	11/12/14	L733897-11	<0.001	<0.005	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
RW-7	02/25/15	L750722-10	<0.001	<0.005	<0.001	<0.003	
RW-7	06/16/15	L772255-14	<0.001	<0.005	<0.001	<0.003	
RW-7	08/26/15	L785959-11	<0.001	<0.005	<0.001	<0.003	
RW-7	11/17/15	L802523-11	<0.001	<0.005	0.000568 J	<0.003	
RW-7	03/08/16	L822589-11	<0.001	<0.005	0.000563 J	<0.003	
RW-7	05/17/16	L836879-14	<0.001	<0.005	0.00052 J	<0.003	
RW-7	09/19/16	L860929-11	<0.001	<0.005	0.000447 J	<0.003	
RW-7	12/14/16	L879214-04	<0.001	<0.001	<0.001	<0.003	
RW-7	02/28/17	L893439-11	<0.001	<0.001	<0.001	<0.003	
RW-7	05/08/17	L908717-14	<0.001	<0.001	<0.001	<0.003	
RW-7	09/15/17	L936890-04	<0.001	<0.001	<0.001	<0.003	
RW-7	11/29/17	L954383-11	<0.001	<0.001	<0.001	<0.003	
RW-7	03/07/18	L976397-11	<0.001	<0.001	<0.001	<0.003	
RW-7	06/13/18	L1001691-14	<0.001	<0.001	<0.001	<0.003	
RW-7	09/05/18	L1023536-11	<0.001	<0.001	0.00381	<0.003	
RW-7	11/28/18	L1048614-11	<0.001	<0.001	<0.001	<0.003	
RW-7	02/12/19	L1069996-11	0.00105	<0.001	0.00771	<0.003	
RW-7	05/08/19	L1097774-13	<0.001	<0.001	0.00363	<0.003	
RW-7	08/22/19	L1132369-11	<0.001	<0.001	0.00122	<0.003	
RW-7	11/06/19	L1158995-12	<0.001	<0.001	<0.001	<0.003	
RW-7	03/18/20	L1201828-11	<0.001	<0.001	<0.001	<0.003	
RW-7	06/17/20	L1231256-14	0.0015	<0.001	0.00556	<0.003	
RW-7	09/16/20	L1263780-13	0.0015	<0.001	<0.001	<0.003	
RW-7	12/23/20	L1300493-12	<0.001	<0.001	0.00355	<0.003	
RW-7	03/25/21	L1331415-08	0.00151	<0.001	0.00108	<0.003	
RW-7	06/18/21	L1369543-14	<0.001	<0.001	0.00179	<0.003	
RW-7	09/16/21	L1405764-07	0.00114	<0.001	0.00126	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
RW-7	12/16/21	L1444115-12	0.00126	<0.001	<0.001	<0.003	
RW-7	06/23/22	L1509144-14	0.000332 J	<0.000278	0.00104	<0.000174	
RW-7	09/28/22	L1541769-13	0.00175	<0.000278	0.00140	<0.000174	
RW-8	06/03/14	L703477-15	**0.61**	0.31 J	0.63	**1.3**	
RW-8	06/16/15	L772255-15	**2.6**	**1.1**	**1.1**	**2.5**	
RW-8	05/17/16	L836879-15	**0.41**	0.034 J6	0.343	0.617	
RW-8	05/08/17	L908717-15	**0.243**	0.0325	0.326	0.482	
RW-8	06/13/18	L1001691-15	**0.245**	0.027	0.529	**0.657**	
RW-8	05/08/19	L1097774-14	**0.0624**	0.00759	0.126	0.247	
RW-8	06/17/20	L1231256-15	**0.0424**	<0.001	0.115	0.258	
RW-8	06/18/21	L1369543-15	0.00498	<0.001	0.0417	0.0832	
RW-8	09/16/21	L1405764-08	**0.0265**	<0.001	0.0519	0.0913	
RW-8	12/16/21	L1444115-13	0.00562	<0.001	0.0230	0.0545	
RW-8	06/23/22	L1509144-15	0.000989 J	<0.000278	0.0219	0.0533	

NMOCD: New Mexico Oil Conservation Division
Exceedences of NMOCD Remediation Criteria are shown in ***bold***
[a] *Result is from Run #2*
J: Analyte detected below method detection limit (MDL) but above sample detection limit (SDL)

TABLE 5
Groundwater Analytical Results for Polycyclic Aromatic Hydrocarbons
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Monitoring Well	Sample Date	Lab Report #	Naphthalene	Acenaphthylene	Acenaphthene	Flourene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo[a]-anthracene	Chrysene	Benzo[b]-fluoranthene	Benzo[a]-pyrene	Dibenzofuran	Dibenz[a,h]-anthracene	Benzo[g,h,i]-perylene	Benzo(k)fluoranthene	1-Methylnaphthalene	2-Methylnaphthalene	Total methylnaphthalene	TPH-GRO (C6-C10)	TPH (C10-C28)	TPH (C28-C30)
Units			(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)
Other regulatory limits (Tap Water*)			***		365	243	0.91	1100	1830	1460	183	0.91	29.1	0.91	0.7**		0.091		9.1			***			
MW-1	12/7/2011	1112252-01	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA	<0.20	<0.20	NA	NA	NA	NA	NA
MW-1	5/22/2012	12051078-01	<0.0965	<0.0965	<0.0965	<0.0965	<0.0965	<0.0965	<0.0965	<0.0965	<0.0965	<0.0965	<0.0965	<0.0965	<0.0965		<0.0965	<0.0965	<0.0965	NA	NA	NA	NA	NA	NA
MW-1	5/17/2016	L836879-01	0.0394 BJ	<0.0500	<0.0500	<0.0500	<0.0500	0.00931 J	<0.0500	<0.0500	<0.0500	0.00786 BJ	<0.0500	<0.0500	<0.0500	0.0193 BJ	<0.0500	<0.0500	<0.0500	0.0126 J	0.0129 J	NA	NA	NA	NA
MW-1	5/8/2017	L908717-01	0.0713 J	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.0442 J	<0.0500	<0.0500	<0.0500	0.0265 J	0.0215 J	NA	NA	NA	NA
MW-2	5/17/2016	L836879-02	0.0421 BJ	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00618 BJ	<0.0500	<0.0500	<0.0500	0.00393 BJ	<0.0500	<0.0500	<0.0500	0.00825 J	0.0098 J	NA	NA	NA	NA
MW-2	5/8/2017	L908717-02	0.0299 J	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.0019 J	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
MW-3	5/17/2016	L836879-03	0.0222 BJ	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00624 BJ	<0.0500	<0.0500	<0.0500	0.00424 BJ	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
MW-3	5/8/2017	L908717-03	0.0340 J	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00146 J	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
MW-4	5/17/2016	L836879-04	0.0316 BJ	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00598 BJ	<0.0500	<0.0500	<0.0500	0.00287 BJ	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
MW-4	5/8/2017	L908717-04	0.0337 J	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00208 J	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
MW-5	5/17/2016	L836879-05	0.0234 BJ	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00603 BJ	<0.0500	<0.0500	<0.0500	0.00225 BJ	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
MW-5	5/9/2017	L908717-05	0.0241 J	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00148 J	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
MW-6	5/17/2016	L836879-06	0.467 BJ	<0.0500	0.016 J	<0.0500	<0.0500	0.0101 J	<0.0500	<0.0500	<0.0500	0.00622 BJ	<0.0500	<0.0500	<0.0500	0.00636 BJ	<0.0500	<0.0500	<0.0500	<0.50	<0.50	NA	NA	NA	NA
MW-6	5/9/2017	L908717-06	0.035 J	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00223 J	<0.0500	0.0350 J	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
MW-7	5/17/2016	L836879-07	0.0298 BJ	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00695 BJ	<0.0500	<0.0500	<0.0500	0.00359 BJ	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
MW-7	5/8/2017	L908717-07	0.0405 J	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00204 J	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
RW-1	5/28/2008	T22367-8	14.1	<1.6	<1.5	<2.1	<2.4	<1.6	<1.8	<1.6	<1.1	<1.4	<1.3	<1.5	<1.6	<1.3		<2.5	<1.6		13		9.01	3.28	
RW-1	5/19/2009	196557	17.6	<0.0707	<0.131	1.98	<0.0801	2.76	<0.808	<0.808	<0.0458	<0.0302	<0.0913	<0.0631	<0.0506	<0.0558	2.34	<0.0628	<0.0765	19.9	17.2	37.1	3.73	<0.876	
RW-1	5/12/2010	1005475-08	2	<0.20	<0.20	0.31	<0.20	0.39	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.39	<0.20	<0.20	2.8	2.3	5.1	6.5	4.6	<0.47
RW-1	5/22/2012	12051078-08	17.1	0.196	0.167	<0.0982	<0.0982	1.59	<0.0982	1.17	<0.0982	<0.0982	0.208	<0.0982	<0.0982		<0.0982	<0.0982	<0.0982	NA	NA	NA	NA	NA	NA
RW-1	6/11/2013	L641163-08	8.7	0.069	0.14	0.51	<0.015	0.42 J	0.046 J	<0.016	0.021	<0.012	<0.040	<0.014	<0.012	0.081	<0.040	<0.011	<0.014	8.3	6.9	NA	NA	NA	NA
RW-1	6/3/2014	L703477-08	0.018	0.00022	0.006	0.0018	<0.0500	0.0022	<0.00005	0.000049J	0.00022	0.000034	0.00011	<0.0500	<0.0500	0.0022	<0.0500	0.016 J	<0.0500	0.021	0.019	0.04	NA	NA	NA
RW-1	6/16/2015	L772255-08	0.0025	0.000034 J	0.000079 J	0.0003	<0.0500	0.00025 J	0.000034 J	<0.0500	0.018 J	0.000016 J	<0.0500	0.0034 J	<0.0500	0.00029	<0.0500	0.0033 J	<0.0500	0.0026	0.0017	0.0043	NA	NA	NA
RW-1	5/17/2016	L836879-08	2.87	0.0165 J	0.042 J	0.138	<0.0500	0.123	0.0235 J	<0.0500	0.0144 J	0.00824 BJ	<0.0500	<0.0500	<0.0500	0.187	<0.0500	<0.0500	<0.0500	1.97	0.379	2.349	NA	NA	NA
RW-1	5/9/2017	L908717-08	4.99	0.0397 J	0.0415 J	0.391	<0.0500	0.364	0.0546 J	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.436	<0.0500	0.00415 J	<0.0500	4.43	3.21	7.64	NA	NA	NA
RW-1	6/12/2018	L1001691-08	19.5	<0.0500	0.658	2.22	<0.0500	1.93	<0.0500	<0.0500	0.205	<0.0500	0.081	<0.0500	<0.0500	2.84	<0.0500	<0.0500	<0.0500	23.4	16.9	40.3			
RW-1	5/8/2019	L1097774-08	9.97	<0.100	0.289	0.805	<0.100	1.00	<0.100	<0.100	0.158	0.102	<0.100	<0.100	<0.100	1.20	<0.100	<0.100	<0.100	8.13	5.82	13.95			
RW-1	6/17/2020	L1231256-08	***	<0.0500	0.103	0.339	<0.0500	0.250	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.319	<0.0500	<0.0500	<0.0500	3.71	1.25	4.96			
RW-1	6/17/2021	L1369543-08	0.724	<0.100	0.143	0.440	<0.100	0.323	<0.100	<0.200	<0.100	<0.100	<0.100	<0.0100	<0.0100	0.356	<0.0100	<0.0100	<0.0100	2.65	0.786	3.436			
RW-2	5/28/2008	T-22367-9	10	<1.6	<1.5	<2.1	<2.4	<1.6	<1.8	<1.6	<1.1	<1.4	<1.3	<1.5	<1.6	<1.3		<2.5	<1.6		7.4		3.61	1.53	
RW-2	5/19/2009	196558	2.66	<0.0707	<0.131	1.17	<0.0801	1.49	<0.808	<0.808	<0.0458	<0.0302	<0.0913	<0.0631	<0.0506	<0.0558	1.05	<0.0628	<0.0765	5.64	4.16	9.8	1.77	<0.876	
RW-2	5/12/2010	1005475-09	30	<0.20	<0.20	2.5	<0.20	4.4	<0.20	<0.20	0.24	<0.20	0.68	<0.20	<0.20	<0.20	4.2	<0.20	<0.20	43	44	87	110	170	20
RW-2	5/22/2012	12051078-09	**82.5**	2.47	1.12	12.6	<0.0971	24.8	0.579	0.907	0.756	0.852	3.71	<0.0971	<0.0971	NA	<0.0971	<0.0971	<0.0971	NA	NA	NA	NA	NA	NA
RW-2	6/11/2013	L641163-09	6.7	0.07	0.12	0.39	<0.015	0.28	0.086	0.39	0.047	<0.012	<0.011	0.014	<0.012	0.66	<0.004	<0.011	<0.014	5.8	4.9	NA	NA	NA	NA
RW-2	6/3/2014	L703477-09	0.006	0.000056	0.00013	0.00044	<0.0500	0.00051	<0.0500	<0.0500	0.000026J	<0.0500	<0.0500	<0.0500	<0.0500	0.00068	<0.0500	<0.0500	<0.0500	0.0064	0.0059	0.0123	NA	NA	NA
RW-2	6/16/2015	L772255-09	0.00012 J J	<0.00005	0.000011 J	0.000018 J	<0.0500	0.000017 J	<0.0500	<0.0500	<0.0500	0.012 J J	<0.0500	0.0041 J	<0.0500	0.032 J	<0.0500	0.0046 J	<0.0500	0.00013 J	.000011 J	0.00141J	NA	NA	NA
RW-2	5/17/2016	L836879-09	2.37	0.0166 J	0.0362 J	0.119	<0.0500	0.129	0.0239 J	<0.0500	<0.0500	0.012 BJ	<0.0500	<0.0500	<0.0500	0.187	<0.0500	<0.0500	<0.0500	2.07	1.76	3.83	NA	NA	NA
RW-2	5/9/2017	L908717-09	39.9	0.201	0.203	1.88	<0.0500	1.58	0.193	<0.0500	0.0471 J	<0.0500	<0.0500	<0.0500	0.0275	**2.68**	<0.0500	0.00974 J	<0.0500	32.8	28.1	60.9	NA	NA	NA
RW-2	6/13/2018	L1001691-09	<0.250	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.250	<0.250	<0.250			
RW-2	6/17/2020	L1231256-09	<0.250	<0.0500	<0.0500	0.0873	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.0739	<0.0500	<0.0500	<0.0500	0.322	<0.250	0.322			
RW-2	6/17/2021	L1369543-09	<0.250	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.100	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.250	<0.250	<0.250			
RW-3	5/28/2008	T22367-10	13.5	<1.6	<1.5	<2.1	<2.4	<1.6	<1.8	<1.6	<1.1	<1.4	<1.3	<1.5	<1.6	<1.3		<2.5	<1.6		7.8		3.81	0.292	
RW-3	5/19/2009	196559	25	<0.0707	<0.131	2.29	<0.0801	3.26	<0.808	<0.808	<0.0458	<0.0302	<0.0913	<0.0633	<0.0506	<0.0558	3.24	<0.0628	<0.0765	27.2	22.6	49.8	3.1 J	1.18 J	
RW-3	5/12/2010	1005475-10	**33**	<0.20	0.47	3.7	<0.20	6.3	0.54	<0.20	<0.20	<0.20	1	<0.20	<0.20	<0.20	4.6	<0.20	<0.20	53	53	106	120	170	26
RW-3	5/22/2012	12051078-10	**42.6**	1.26	0.874	7.16	<0.0988	20.7	1.13	0.706	0.646	<0.0988	2.01	0.153	<0.0988	NA	<0.0988	<0.0988	0.188	NA	NA	NA	NA	NA	NA
RW-3	6/11/2013	L641163-10	10	0.46	0.82	2.3	<0.015	2	0.31	0.37	0.57	0.29	0.32	<0.014	<0.012	2.9	0.12	<0.011	<0.014	13	12	NA	NA	NA	NA
RW-3	6/3/2014	L703477-10	0.015	0.00027	0.00065	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00012	<0.0500	<0.0500	0.0029	<0.0500	0.013	<0.0500	0.02	0.019	0.039	NA	NA	NA
RW-3	6/16/2015	L772255-10	0.021	0.00019	0.00047	0.0015	<0.0500	0.0014	0.00031	0.027 J	0.00016	0.00012	0.082	0.019 J	<0.0500	0.0021	<0.0500	0.013 J	0.026 J	0.019	0.014	0.033	NA	NA	NA
RW-3	5/17/2016	L836879-10	3.92	0.0443 J	0.0826	0.258	<0.0500	0.264	0.0833	<0.0500	0.0549	<0.0500	0.0153 J	<0.0500	<0.0500	0.572	<0.0500	<0.0500	<0.0500	2.88	2.42	5.3	NA	NA	NA

TABLE 5
Groundwater Analytical Results for Polycyclic Aromatic Hydrocarbons
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Monitoring Well	Sample Date	Lab Report #	Naphthalene	Acenaphthylene	Acenaphthene	Flourene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo[a]-anthracene	Chrysene	Benzo[b]-fluoranthene	Benzo[a]-pyrene	Dibenzofuran	Dibenz[a,h]-anthracene	Benzo[g,h,i]-perylene	Benzo(k)fluoranthene	1-Methylnaphthalene	2-Methylnaphthalene	Total methylnaphthalene	TPH-GRO (C6-C10)	TPH (C10-C28)	TPH (C28-C30)
Units			(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)
Other regulatory limits (Tap Water*)			***		365	243	0.91	1100	1830	1460	183	0.91	29.1	0.91	0.7**		0.091		9.1			***			
RW-3	5/9/2017	L908717-10	9.12	0.0869	0.241	0.817	<0.0500	0.822	0.176	<0.0500	0.0890	<0.0500	<0.0500	<0.0500	<0.0500	1.19	<0.0500	0.00611 j	<0.0500	9.22	6.63	15.85	NA	NA	NA
RW-3	6/12/2018	L1001691-10	**57.9**	<0.0500	<0.0500	4.7	<0.0500	6.33	<0.0500	<0.0500	0.7510	<0.0500	0.385	<0.0500	<0.0500	6.78	<0.0500	<0.0500	<0.0500	69	54.5	123.5			
RW-3	5/8/2019	L1097774-11	15.7	<0.0500	0.261	0.935	<0.0500	0.717	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	1.59	<0.0500	<0.0500	<0.0500	12.8	9.89	22.69			
RW-3	6/17/2020	L1231256-10	1.3	<0.0500	0.0589	0.202	<0.0500	0.224	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.708	<0.0500	<0.0500	<0.0500	1.87	1.29	3.16			
RW-3	6/18/2021	L1369543-10	0.512	<0.0500	0.0630	0.229	<0.0500	0.218	<0.0500	<0.100	<0.0500	<0.0500 J4	<0.0500	<0.0500	<0.0500	0.735	<0.0500	<0.0500	<0.0500	1.06	0.567	1.627			
RW-4	5/17/2016	L836879-11	0.0234 BJ	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00645 BJ	<0.0500	<0.0500	<0.0500	0.00264 BJ	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
RW-4	5/9/2017	L908717-11	0.0405 J	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00158 J	<0.0500	<0.0500	<0.0500	<0.250	0.00938 J	0.00938			
RW-5	5/17/2016	L836879-12	0.0329 BJ	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.006 BJ	<0.0500	<0.0500	<0.0500	0.00224 BJ	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
RW-5	5/9/2017	L908717-12	0.0301 J	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00129 J	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
RW-6	5/17/2016	L836879-13	<0.250	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00585 BJ	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
RW-6	5/9/2017	L908717-13	0.0247 J	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00107 J	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
RW-7	6/3/2014	L703477-14	0.035 J	<0.0500	<0.0500	<0.0500	<0.0500	0.000035	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.0000022J	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
RW-7	5/17/2016	L836879-14	0.0258 BJ	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00664 BJ	<0.0500	<0.0500	<0.0500	0.00211 BJ	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
RW-7	5/9/2017	L908717-14	0.0222 j	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00155 J	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
RW-7	6/13/2018	L1001691-14	<0.250	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.250	<0.250	<0.250			
RW-8	6/3/2014	L703477-15	0.062	0.00061	0.0016	0.005	<0.0500	0.0078	<0.0500	0.00017	0.00067	0.00085	0.00041	<0.0500	<0.0500	0.0069	<0.0500	0.000056	<0.0500	0.049	0.049	0.098	NA	NA	NA
RW-8	6/16/2015	L772255-15	0.095	0.001	0.0035	0.0095	<0.0500	0.012	0.0022	0.00038 J	0.0014	0.00097	0.00053	0.00016 J	0.00013 J	0.012	0.000048 J	0.00015 J	0.00018 J	0.1	0.1	0.2	NA	NA	NA
RW-8	5/17/2016	L836879-15	0.0261	0.148	0.292	1.21	<0.0500	1.06	0.0414 J	<0.0500	0.0185 J	0.0115 BJ	<0.0500	<0.0500	<0.0500	2.13	<0.0500	<0.0500	<0.0500	22.4	18.9	**41.3**	NA	NA	NA
RW-8	5/9/2017	L908717-15	**44.9**	0.257	0.251	2.46	<0.0500	1.82	<0.0500	0.0422 J	0.0641	<0.0500	<0.0500	<0.0500	0.0311 J	3.56	<0.0500	0.00875 J	<0.0500	44	33.4	**77.4**	NA	NA	NA
RW-8	6/13/2018	L1001691-15	**41.8**	<0.0500	0.706	2.62	<0.0500	2.02	<0.0500	<0.0500	0.141	<0.0500	0.0532	<0.0500	<0.0500	4.3	<0.0500	<0.0500	<0.0500	57.7	34	**91.7**			
RW-8	5/8/2019	L1097774-14	17.7	<0.0500	0.401	1.86	<0.0500	1.19	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	2.94	<0.0500	<0.0500	<0.0500	26.4	11.2	**37.6**			
RW-8	6/17/2020	L1231256-15	12.2	<0.0500	0.303	1.48	<0.0500	0.925	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	2.38	<0.0500	<0.0500	<0.0500	17.8	7.55	**25.35**			
RW-8	6/18/2021	L1369543-15	8.4	<0.0500	0.404	2.02	<0.0500	1.53	<0.0500	<0.100	<0.0500	<0.0500 J4	<0.0500	<0.0500	<0.0500	3.36	<0.0500	<0.0500	<0.0500	16.7	5.53	**22.23**			

NMOCD: New Mexico Oil Conservation Division

Exceedences of NMOCD Remediation Criteria are shown in ***bold***

J: Analyte detected below method detection limit (MDL but above sample detection limit (SDL)

** Values reported from run 2 as carry over was reported in run 1*

Tap Water: New Mexico Environmental Department (NMED) Tap Water Soil screening levels for residential scenarios.*

**** = NM Water Quality Standard for PAHs is 30µg/L for total naphthalenes plus monomethylnaphthalenes (total methylnaphthalenes)*

*** = NM Water Quality Standard*

[a] Estimated concentration value greater than standard range

NA: Not analyzed

TABLE 6
2018 - 2021 PSH aand Dissolved Phase Groundwater Recovery Data
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well	Year	Maximum PSH Thickness (feet)	Minimum PSH Thickness (feet)	Average PSH Thickness (feet)	PSH Recovered (gallons)	Groundwater Recovered (gallons)	Total Fluids Recovered (gallons)
RW1	2018	0.21	0.01	0.065	0.75	469.25	470
RW1	2019	0.08	0.01	0.043	0.00	310.00	310
RW1	2020	0.04	0.03	0.037	1.00	209.00	210
RW1	2021	0	0.00	0.000	0.00	180.00	180
RW1	2022	0.02	0.00	0.015	0.00	170.00	170
RW2	2018	0.32	0.07	0.19	10.00	449.00	459
RW2	2019	0.99	0.01	0.22	7.50	401.25	408.75
RW2	2020	0.35	0.04	0.10	7.00	213.00	220
RW2	2021	0.96	0.04	0.26	6.25	173.75	180
RW2	2022	0.45	0.00	0.12	2.00	178.00	180
RW3	2018	0.34	0.01	0.17	9.75	450.25	460
RW3	2019	0.28	0.01	0.10	3.00	407.00	410
RW3	2020	0.03	0.01	0.02	0.25	219.75	220
RW3	2021	0.04	0.01	0.02	0.75	159.25	160
RW3	2022	0.06	0.00	0.03	2.00	178.00	180
RW-8	2018	0.86	0.17	0.37	111.50	998.50	1110
RW-8	2019	0.78	0.01	0.15	49.75	702.50	752.25
RW-8	2020	0.17	0.01	0.06	6.75	233.25	240
RW-8	2021	3.65	0.02	0.49	15.50	259.50	275
RW-8	2022	0.33	0.00	0.13	5.25	189.75	195

TABLE 6
2018 - 2021 PSH aand Dissolved Phase Groundwater Recovery Data
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Totals for 2018		132.00	2367.00	2499.00
Totals for 2019		60.25	1820.75	1881.00
Totals for 2020		15.00	875.00	890.00
Totals for 2021		22.50	772.50	795.00
Totals for 2022		9.25	715.75	725.00
Total		**239.00**	**6551.00**	**6790.00**

Note: The above estimated gallons of total fluids (PSH and groundwater) include those pumped and manually bailed; these are estimates only.

Appendix A

2022 Laboratory Reports and Chain of Custody Documentation

ANALYTICAL REPORT

February 22, 2023

Revised Report

Plains All American Pipeline

Sample Delivery Group:	L1473398
Samples Received:	03/19/2022
Project Number:	
Description:	Vac to Jal#5
Site:	SRS - 2003-00134
Report To:	Bill Goldsby 21 Waterway Ave., Suite 300 The Woodlands, TX 77380

Entire Report Reviewed By:

Chad A Upchurch
Project Manager

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

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

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MW-3 L1473398-01 GW

Collected by: Chris Sanchez | Collected date/time: 03/16/22 10:40 | Received date/time: 03/19/22 13:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1836595	1	03/23/22 02:40	03/23/22 02:40	JCP	Mt. Juliet, TN

MW-5 L1473398-02 GW

Collected by: Chris Sanchez | Collected date/time: 03/16/22 10:30 | Received date/time: 03/19/22 13:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1836595	1	03/23/22 03:00	03/23/22 03:00	JCP	Mt. Juliet, TN

RW-1 L1473398-03 GW

Collected by: Chris Sanchez | Collected date/time: 03/16/22 11:00 | Received date/time: 03/19/22 13:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1836595	1	03/23/22 03:21	03/23/22 03:21	JCP	Mt. Juliet, TN

RW-2 L1473398-04 GW

Collected by: Chris Sanchez | Collected date/time: 03/16/22 11:10 | Received date/time: 03/19/22 13:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1836595	1	03/23/22 03:41	03/23/22 03:41	JCP	Mt. Juliet, TN

RW-7 L1473398-05 GW

Collected by: Chris Sanchez | Collected date/time: 03/16/22 10:50 | Received date/time: 03/19/22 13:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1836595	1	03/23/22 04:02	03/23/22 04:02	JCP	Mt. Juliet, TN

DUP-01 L1473398-06 GW

Collected by: Chris Sanchez | Collected date/time: 03/16/22 00:00 | Received date/time: 03/19/22 13:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1836624	1	03/23/22 07:04	03/23/22 07:04	JCP	Mt. Juliet, TN

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

Chad A Upchurch
Project Manager

Report Revision History

Level II Report - Version 1: 03/24/22 16:19

Project Narrative

Revised Report: Updated to report to RDL/MDL, per client request - 2/21/23.

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	<0.0000941		0.0000941	0.00100	1	03/23/2022 02:40	WG1836595
Toluene	<0.000278		0.000278	0.00100	1	03/23/2022 02:40	WG1836595
Ethylbenzene	<0.000137		0.000137	0.00100	1	03/23/2022 02:40	WG1836595
Total Xylenes	<0.000174		0.000174	0.00300	1	03/23/2022 02:40	WG1836595
(S) Toluene-d8	*106*			*80.0-120*		*03/23/2022 02:40*	WG1836595
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*03/23/2022 02:40*	WG1836595
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*03/23/2022 02:40*	WG1836595

MW-3
Collected date/time: 03/16/22 10:30
L1473398

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	<0.0000941		0.0000941	0.00100	1	03/23/2022 03:00	WG1836595
Toluene	<0.000278		0.000278	0.00100	1	03/23/2022 03:00	WG1836595
Ethylbenzene	<0.000137		0.000137	0.00100	1	03/23/2022 03:00	WG1836595
Total Xylenes	<0.000174		0.000174	0.00300	1	03/23/2022 03:00	WG1836595
(S) Toluene-d8	*106*			*80.0-120*		*03/23/2022 03:00*	WG1836595
(S) 4-Bromofluorobenzene	*99.8*			*77.0-126*		*03/23/2022 03:00*	WG1836595
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*03/23/2022 03:00*	WG1836595

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.0128		0.0000941	0.00100	1	03/23/2022 03:21	WG1836595
Toluene	0.00141		0.000278	0.00100	1	03/23/2022 03:21	WG1836595
Ethylbenzene	0.0356		0.000137	0.00100	1	03/23/2022 03:21	WG1836595
Total Xylenes	0.0205		0.000174	0.00300	1	03/23/2022 03:21	WG1836595
(S) Toluene-d8	*101*			*80.0-120*		*03/23/2022 03:21*	WG1836595
(S) 4-Bromofluorobenzene	*109*			*77.0-126*		*03/23/2022 03:21*	WG1836595
(S) 1,2-Dichloroethane-d4	*97.3*			*70.0-130*		*03/23/2022 03:21*	WG1836595

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00134		0.0000941	0.00100	1	03/23/2022 03:41	WG1836595
Toluene	<0.000278		0.000278	0.00100	1	03/23/2022 03:41	WG1836595
Ethylbenzene	0.000942	J	0.000137	0.00100	1	03/23/2022 03:41	WG1836595
Total Xylenes	0.00938		0.000174	0.00300	1	03/23/2022 03:41	WG1836595
(S) Toluene-d8	*106*			*80.0-120*		*03/23/2022 03:41*	WG1836595
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*03/23/2022 03:41*	WG1836595
(S) 1,2-Dichloroethane-d4	*98.6*			*70.0-130*		*03/23/2022 03:41*	WG1836595

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00265		0.0000941	0.00100	1	03/23/2022 04:02	WG1836595
Toluene	<0.000278		0.000278	0.00100	1	03/23/2022 04:02	WG1836595
Ethylbenzene	0.00704		0.000137	0.00100	1	03/23/2022 04:02	WG1836595
Total Xylenes	<0.000174		0.000174	0.00300	1	03/23/2022 04:02	WG1836595
(S) Toluene-d8	*104*			*80.0-120*		*03/23/2022 04:02*	WG1836595
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*03/23/2022 04:02*	WG1836595
(S) 1,2-Dichloroethane-d4	*99.2*			*70.0-130*		*03/23/2022 04:02*	WG1836595

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000857	J	0.0000941	0.00100	1	03/23/2022 07:04	WG1836624
Toluene	<0.000278		0.000278	0.00100	1	03/23/2022 07:04	WG1836624
Ethylbenzene	0.000461	J	0.000137	0.00100	1	03/23/2022 07:04	WG1836624
Total Xylenes	0.00534		0.000174	0.00300	1	03/23/2022 07:04	WG1836624
(S) Toluene-d8	*106*			*80.0-120*		*03/23/2022 07:04*	WG1836624
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*03/23/2022 07:04*	WG1836624
(S) 1,2-Dichloroethane-d4	*98.9*			*70.0-130*		*03/23/2022 07:04*	WG1836624

Method Blank (MB)

(MB) R3773516-2 03/22/22 20:58

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	<0.0000941		0.0000941	0.00100
Toluene	<0.000278		0.000278	0.00100
Ethylbenzene	<0.000137		0.000137	0.00100
Xylenes, Total	<0.000174		0.000174	0.00300
(S) Toluene-d8	*104*			*80.0-120*
(S) 4-Bromofluorobenzene	*106*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*99.4*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3773516-1 03/22/22 20:17

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00505	101	70.0-123	
Toluene	0.00500	0.00494	98.8	79.0-120	
Ethylbenzene	0.00500	0.00518	104	79.0-123	
Xylenes, Total	0.0150	0.0153	102	79.0-123	
(S) Toluene-d8			*103*	*80.0-120*	
(S) 4-Bromofluorobenzene			*104*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*98.7*	*70.0-130*	

Method Blank (MB)

(MB) R3773536-2 03/23/22 06:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	<0.0000941		0.0000941	0.00100
Toluene	<0.000278		0.000278	0.00100
Ethylbenzene	<0.000137		0.000137	0.00100
Xylenes, Total	<0.000174		0.000174	0.00300
(S) Toluene-d8	*104*			*80.0-120*
(S) 4-Bromofluorobenzene	*103*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*97.9*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3773536-1 03/23/22 06:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00436	87.2	70.0-123	
Toluene	0.00500	0.00427	85.4	79.0-120	
Ethylbenzene	0.00500	0.00457	91.4	79.0-123	
Xylenes, Total	0.0150	0.0135	90.0	79.0-123	
(S) Toluene-d8			*103*	*80.0-120*	
(S) 4-Bromofluorobenzene			*104*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*99.2*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
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.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

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

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

Plains All American Pipeline - Entech

21 Waterway Ave., Suite 300
The Woodlands, TX 77380

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

Report to: Kathleen Buxton

Email To: kathleen.buxton@entechservice.com, cjbryant@paalp.com

Project Description: Vac to Jal#5

City/State Collected: EUNICE NM

Phone: 979-997-2338
Fax:

Client Project # PAA12015

Lab Project # PLAINSENT-VAC5

Collected by (print): C. SANCHEZ

Site/Facility ID # SRS - 2003-00134

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	PAHSIMLVI 40mlAmb-NoPres-WT	V8260BTEX 40mlAmb-HCl
MW3		GW		3-16-22	1040	2		X
MW5					1030			
RW1					1100			
RW2					1110			
RW7					1050			
DUP-01				3-16-22	—	2		X

Chain of Custody Page 1 of 1

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L # 1473398

G151

Acctnum: PLAINSENT
Template: T94130
Prelogin: P707766
TSR: 134 - Mark W. Beasley
PB:
Shipped Via:

Remarks	Sample # (lab only)
	-01
	-02
	-03
	-04
	-05
	-06

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	3/18	4:30		0	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: DRAFT Bottles Received: 2.3 to 2.3 12	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 3/19/22 Time: 1330	Hold: Condition: NCF / OK

Pace Analytical®

ANALYTICAL REPORT

July 12, 2022

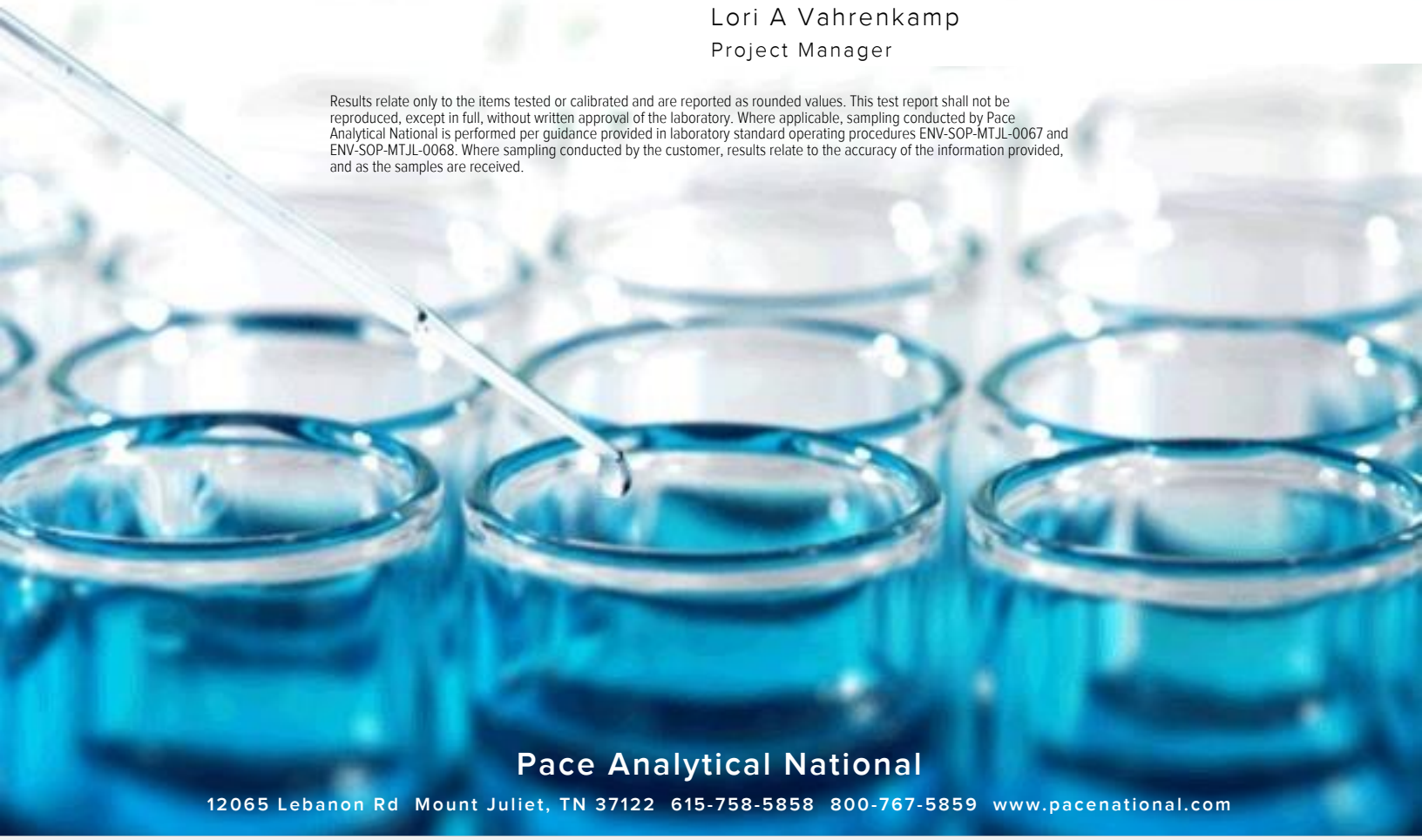
Plains All American Pipeline

Sample Delivery Group:	L1509144
Samples Received:	06/25/2022
Project Number:	
Description:	Vac to Jal #5
Report To:	Project Manager 21 Waterway Ave., Suite 300 The Woodlands, TX 77380

Entire Report Reviewed By:

Lori A Vahrenkamp
Project Manager

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



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

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MW 1 L1509144-01 GW

Collected by: Greg Flores | Collected date/time: 06/23/22 11:50 | Received date/time: 06/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1890739	1	07/06/22 23:58	07/06/22 23:58	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1891103	1	07/07/22 12:12	07/07/22 12:12	MGF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1886883	1	06/30/22 17:09	06/30/22 23:55	AMG	Mt. Juliet, TN

MW 2 L1509144-02 GW

Collected by: Greg Flores | Collected date/time: 06/23/22 12:40 | Received date/time: 06/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1890739	1	07/07/22 00:21	07/07/22 00:21	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1891103	1	07/07/22 12:32	07/07/22 12:32	MGF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1886883	1	06/30/22 17:09	07/01/22 00:12	AMG	Mt. Juliet, TN

MW 3 L1509144-03 GW

Collected by: Greg Flores | Collected date/time: 06/23/22 13:30 | Received date/time: 06/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1890739	1	07/07/22 00:43	07/07/22 00:43	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1891103	1	07/07/22 12:52	07/07/22 12:52	MGF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1886883	1	06/30/22 17:09	07/01/22 00:29	AMG	Mt. Juliet, TN

MW 4 L1509144-04 GW

Collected by: Greg Flores | Collected date/time: 06/23/22 14:45 | Received date/time: 06/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1888920	1	07/02/22 02:05	07/02/22 02:05	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1886883	1	06/30/22 17:09	07/01/22 00:47	AMG	Mt. Juliet, TN

MW 5 L1509144-05 GW

Collected by: Greg Flores | Collected date/time: 06/23/22 14:15 | Received date/time: 06/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1890739	1	07/07/22 01:05	07/07/22 01:05	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1891103	1	07/07/22 13:12	07/07/22 13:12	MGF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1886883	1	06/30/22 17:09	07/01/22 01:04	AMG	Mt. Juliet, TN

MW 6 L1509144-06 GW

Collected by: Greg Flores | Collected date/time: 06/23/22 13:55 | Received date/time: 06/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1890739	1	07/07/22 01:27	07/07/22 01:27	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1891103	1	07/07/22 13:32	07/07/22 13:32	MGF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1886883	1	06/30/22 17:09	07/01/22 01:22	AMG	Mt. Juliet, TN

MW 7 L1509144-07 GW

Collected by: Greg Flores | Collected date/time: 06/23/22 10:55 | Received date/time: 06/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1890739	1	07/07/22 01:49	07/07/22 01:49	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1891103	1	07/07/22 13:52	07/07/22 13:52	MGF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1886883	1	06/30/22 17:09	07/01/22 01:39	AMG	Mt. Juliet, TN

RW 1 L1509144-08 GW

Collected by: Greg Flores | Collected date/time: 06/23/22 14:20 | Received date/time: 06/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1888920	5	07/02/22 06:17	07/02/22 06:17	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1886883	1	06/30/22 17:09	07/01/22 01:56	AMG	Mt. Juliet, TN

RW 2 L1509144-09 GW

Collected by: Greg Flores | Collected date/time: 06/23/22 15:15 | Received date/time: 06/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1888920	1	07/02/22 02:24	07/02/22 02:24	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1886883	1	06/30/22 17:09	07/01/22 02:14	AMG	Mt. Juliet, TN

RW 3 L1509144-10 GW

Collected by: Greg Flores | Collected date/time: 06/23/22 13:45 | Received date/time: 06/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1888920	1	07/02/22 02:43	07/02/22 02:43	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1886883	1	06/30/22 17:09	07/01/22 02:31	AMG	Mt. Juliet, TN

RW 4 L1509144-11 GW

Collected by: Greg Flores | Collected date/time: 06/23/22 14:55 | Received date/time: 06/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1888920	1	07/02/22 03:03	07/02/22 03:03	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1886883	1	06/30/22 17:09	07/01/22 02:49	AMG	Mt. Juliet, TN

RW 5 L1509144-12 GW

Collected by: Greg Flores | Collected date/time: 06/23/22 14:35 | Received date/time: 06/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1888920	1	07/02/22 03:22	07/02/22 03:22	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1886883	1	06/30/22 17:09	07/01/22 03:06	AMG	Mt. Juliet, TN

RW 6 L1509144-13 GW

Collected by: Greg Flores | Collected date/time: 06/23/22 14:05 | Received date/time: 06/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1890739	1	07/07/22 02:11	07/07/22 02:11	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1891103	1	07/07/22 14:12	07/07/22 14:12	MGF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1886883	1	06/30/22 17:09	07/01/22 03:23	AMG	Mt. Juliet, TN

RW 7 L1509144-14 GW

Collected by: Greg Flores | Collected date/time: 06/23/22 14:25 | Received date/time: 06/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1889041	1	07/02/22 03:45	07/02/22 03:45	JHH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1886883	1	06/30/22 17:09	07/01/22 03:41	AMG	Mt. Juliet, TN

SAMPLE SUMMARY

RW 8 L1509144-15 GW

Collected by: Greg Flores
Collected date/time: 06/23/22 15:10
Received date/time: 06/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1889041	1	07/02/22 04:05	07/02/22 04:05	JHH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1886883	1	06/30/22 17:09	07/01/22 03:58	AMG	Mt. Juliet, TN

DUP-01 L1509144-16 GW

Collected by: Greg Flores
Collected date/time: 06/23/22 00:00
Received date/time: 06/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1889041	1	07/02/22 04:25	07/02/22 04:25	JHH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1886883	1	06/30/22 17:09	07/01/22 04:16	AMG	Mt. Juliet, TN

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

Lori A Vahrenkamp
Project Manager

Sample Delivery Group (SDG) Narrative

Analyzed from headspace vial.

Lab Sample ID	Project Sample ID	Method
L1509144-01	MW 1	8260B
L1509144-02	MW 2	8260B
L1509144-03	MW 3	8260B
L1509144-05	MW 5	8260B
L1509144-06	MW 6	8260B
L1509144-07	MW 7	8260B
L1509144-13	RW 6	8260B

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	<0.0000941		0.0000941	0.00100	1	07/07/2022 12:12	WG1891103
Toluene	<0.000278		0.000278	0.00100	1	07/06/2022 23:58	WG1890739
Ethylbenzene	<0.000137		0.000137	0.00100	1	07/06/2022 23:58	WG1890739
Total Xylenes	<0.000174		0.000174	0.00300	1	07/06/2022 23:58	WG1890739
(S) Toluene-d8	*93.1*			*80.0-120*		*07/06/2022 23:58*	WG1890739
(S) Toluene-d8	*95.3*			*80.0-120*		*07/07/2022 12:12*	WG1891103
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*07/06/2022 23:58*	WG1890739
(S) 4-Bromofluorobenzene	*81.7*			*77.0-126*		*07/07/2022 12:12*	WG1891103
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*07/06/2022 23:58*	WG1890739
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*07/07/2022 12:12*	WG1891103

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	<0.0000190		0.0000190	0.0000500	1	06/30/2022 23:55	WG1886883
Acenaphthene	<0.0000190		0.0000190	0.0000500	1	06/30/2022 23:55	WG1886883
Acenaphthylene	<0.0000171		0.0000171	0.0000500	1	06/30/2022 23:55	WG1886883
Benzo(a)anthracene	<0.0000203		0.0000203	0.0000500	1	06/30/2022 23:55	WG1886883
Benzo(a)pyrene	<0.0000184		0.0000184	0.0000500	1	06/30/2022 23:55	WG1886883
Benzo(b)fluoranthene	<0.0000168		0.0000168	0.0000500	1	06/30/2022 23:55	WG1886883
Benzo(g,h,i)perylene	<0.0000184		0.0000184	0.0000500	1	06/30/2022 23:55	WG1886883
Benzo(k)fluoranthene	<0.0000202		0.0000202	0.0000500	1	06/30/2022 23:55	WG1886883
Chrysene	<0.0000179		0.0000179	0.0000500	1	06/30/2022 23:55	WG1886883
Dibenz(a,h)anthracene	<0.0000160		0.0000160	0.0000500	1	06/30/2022 23:55	WG1886883
Dibenzofuran	<0.0000191		0.0000191	0.0000500	1	06/30/2022 23:55	WG1886883
Fluoranthene	<0.0000270		0.0000270	0.000100	1	06/30/2022 23:55	WG1886883
Fluorene	<0.0000169		0.0000169	0.0000500	1	06/30/2022 23:55	WG1886883
Indeno(1,2,3-cd)pyrene	<0.0000158		0.0000158	0.0000500	1	06/30/2022 23:55	WG1886883
Naphthalene	<0.0000917		0.0000917	0.000250	1	06/30/2022 23:55	WG1886883
Phenanthrene	<0.0000180		0.0000180	0.0000500	1	06/30/2022 23:55	WG1886883
Pyrene	<0.0000169		0.0000169	0.0000500	1	06/30/2022 23:55	WG1886883
1-Methylnaphthalene	<0.0000687		0.0000687	0.000250	1	06/30/2022 23:55	WG1886883
2-Methylnaphthalene	<0.0000674		0.0000674	0.000250	1	06/30/2022 23:55	WG1886883
2-Chloronaphthalene	<0.0000682		0.0000682	0.000250	1	06/30/2022 23:55	WG1886883
(S) Nitrobenzene-d5	*90.0*			*31.0-160*		*06/30/2022 23:55*	WG1886883
(S) 2-Fluorobiphenyl	*91.6*			*48.0-148*		*06/30/2022 23:55*	WG1886883
(S) p-Terphenyl-d14	*109*			*37.0-146*		*06/30/2022 23:55*	WG1886883

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	<0.0000941		0.0000941	0.00100	1	07/07/2022 12:32	WG1891103
Toluene	<0.000278		0.000278	0.00100	1	07/07/2022 00:21	WG1890739
Ethylbenzene	<0.000137		0.000137	0.00100	1	07/07/2022 00:21	WG1890739
Total Xylenes	<0.000174		0.000174	0.00300	1	07/07/2022 00:21	WG1890739
(S) Toluene-d8	*92.5*			*80.0-120*		*07/07/2022 00:21*	WG1890739
(S) Toluene-d8	*108*			*80.0-120*		*07/07/2022 12:32*	WG1891103
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*07/07/2022 00:21*	WG1890739
(S) 4-Bromofluorobenzene	*98.3*			*77.0-126*		*07/07/2022 12:32*	WG1891103
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*07/07/2022 00:21*	WG1890739
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*07/07/2022 12:32*	WG1891103

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	<0.0000190		0.0000190	0.0000500	1	07/01/2022 00:12	WG1886883
Acenaphthene	<0.0000190		0.0000190	0.0000500	1	07/01/2022 00:12	WG1886883
Acenaphthylene	<0.0000171		0.0000171	0.0000500	1	07/01/2022 00:12	WG1886883
Benzo(a)anthracene	<0.0000203		0.0000203	0.0000500	1	07/01/2022 00:12	WG1886883
Benzo(a)pyrene	<0.0000184		0.0000184	0.0000500	1	07/01/2022 00:12	WG1886883
Benzo(b)fluoranthene	<0.0000168		0.0000168	0.0000500	1	07/01/2022 00:12	WG1886883
Benzo(g,h,i)perylene	<0.0000184		0.0000184	0.0000500	1	07/01/2022 00:12	WG1886883
Benzo(k)fluoranthene	<0.0000202		0.0000202	0.0000500	1	07/01/2022 00:12	WG1886883
Chrysene	<0.0000179		0.0000179	0.0000500	1	07/01/2022 00:12	WG1886883
Dibenz(a,h)anthracene	<0.0000160		0.0000160	0.0000500	1	07/01/2022 00:12	WG1886883
Dibenzofuran	<0.0000191		0.0000191	0.0000500	1	07/01/2022 00:12	WG1886883
Fluoranthene	<0.0000270		0.0000270	0.000100	1	07/01/2022 00:12	WG1886883
Fluorene	<0.0000169		0.0000169	0.0000500	1	07/01/2022 00:12	WG1886883
Indeno(1,2,3-cd)pyrene	<0.0000158		0.0000158	0.0000500	1	07/01/2022 00:12	WG1886883
Naphthalene	<0.0000917		0.0000917	0.000250	1	07/01/2022 00:12	WG1886883
Phenanthrene	<0.0000180		0.0000180	0.0000500	1	07/01/2022 00:12	WG1886883
Pyrene	<0.0000169		0.0000169	0.0000500	1	07/01/2022 00:12	WG1886883
1-Methylnaphthalene	<0.0000687		0.0000687	0.000250	1	07/01/2022 00:12	WG1886883
2-Methylnaphthalene	<0.0000674		0.0000674	0.000250	1	07/01/2022 00:12	WG1886883
2-Chloronaphthalene	<0.0000682		0.0000682	0.000250	1	07/01/2022 00:12	WG1886883
(S) Nitrobenzene-d5	*92.6*			*31.0-160*		*07/01/2022 00:12*	WG1886883
(S) 2-Fluorobiphenyl	*94.7*			*48.0-148*		*07/01/2022 00:12*	WG1886883
(S) p-Terphenyl-d14	*113*			*37.0-146*		*07/01/2022 00:12*	WG1886883

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	<0.0000941		0.0000941	0.00100	1	07/07/2022 12:52	WG1891103
Toluene	<0.000278		0.000278	0.00100	1	07/07/2022 00:43	WG1890739
Ethylbenzene	<0.000137		0.000137	0.00100	1	07/07/2022 00:43	WG1890739
Total Xylenes	<0.000174		0.000174	0.00300	1	07/07/2022 00:43	WG1890739
(S) Toluene-d8	*94.9*			*80.0-120*		*07/07/2022 00:43*	WG1890739
(S) Toluene-d8	*99.3*			*80.0-120*		*07/07/2022 12:52*	WG1891103
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*07/07/2022 00:43*	WG1890739
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*07/07/2022 12:52*	WG1891103
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*07/07/2022 00:43*	WG1890739
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*07/07/2022 12:52*	WG1891103

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	<0.0000190		0.0000190	0.0000500	1	07/01/2022 00:29	WG1886883
Acenaphthene	<0.0000190		0.0000190	0.0000500	1	07/01/2022 00:29	WG1886883
Acenaphthylene	<0.0000171		0.0000171	0.0000500	1	07/01/2022 00:29	WG1886883
Benzo(a)anthracene	<0.0000203		0.0000203	0.0000500	1	07/01/2022 00:29	WG1886883
Benzo(a)pyrene	<0.0000184		0.0000184	0.0000500	1	07/01/2022 00:29	WG1886883
Benzo(b)fluoranthene	<0.0000168		0.0000168	0.0000500	1	07/01/2022 00:29	WG1886883
Benzo(g,h,i)perylene	<0.0000184		0.0000184	0.0000500	1	07/01/2022 00:29	WG1886883
Benzo(k)fluoranthene	<0.0000202		0.0000202	0.0000500	1	07/01/2022 00:29	WG1886883
Chrysene	<0.0000179		0.0000179	0.0000500	1	07/01/2022 00:29	WG1886883
Dibenz(a,h)anthracene	<0.0000160		0.0000160	0.0000500	1	07/01/2022 00:29	WG1886883
Dibenzofuran	<0.0000191		0.0000191	0.0000500	1	07/01/2022 00:29	WG1886883
Fluoranthene	<0.0000270		0.0000270	0.000100	1	07/01/2022 00:29	WG1886883
Fluorene	<0.0000169		0.0000169	0.0000500	1	07/01/2022 00:29	WG1886883
Indeno(1,2,3-cd)pyrene	<0.0000158		0.0000158	0.0000500	1	07/01/2022 00:29	WG1886883
Naphthalene	<0.0000917		0.0000917	0.000250	1	07/01/2022 00:29	WG1886883
Phenanthrene	<0.0000180		0.0000180	0.0000500	1	07/01/2022 00:29	WG1886883
Pyrene	<0.0000169		0.0000169	0.0000500	1	07/01/2022 00:29	WG1886883
1-Methylnaphthalene	<0.0000687		0.0000687	0.000250	1	07/01/2022 00:29	WG1886883
2-Methylnaphthalene	<0.0000674		0.0000674	0.000250	1	07/01/2022 00:29	WG1886883
2-Chloronaphthalene	<0.0000682		0.0000682	0.000250	1	07/01/2022 00:29	WG1886883
(S) Nitrobenzene-d5	*90.5*			*31.0-160*		*07/01/2022 00:29*	WG1886883
(S) 2-Fluorobiphenyl	*92.6*			*48.0-148*		*07/01/2022 00:29*	WG1886883
(S) p-Terphenyl-d14	*108*			*37.0-146*		*07/01/2022 00:29*	WG1886883

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	<0.0000941		0.0000941	0.00100	1	07/02/2022 02:05	WG1888920
Toluene	<0.000278		0.000278	0.00100	1	07/02/2022 02:05	WG1888920
Ethylbenzene	<0.000137		0.000137	0.00100	1	07/02/2022 02:05	WG1888920
Total Xylenes	<0.000174		0.000174	0.00300	1	07/02/2022 02:05	WG1888920
(S) Toluene-d8	*99.9*			*80.0-120*		*07/02/2022 02:05*	WG1888920
(S) 4-Bromofluorobenzene	*99.1*			*77.0-126*		*07/02/2022 02:05*	WG1888920
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*07/02/2022 02:05*	WG1888920

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	<0.0000190		0.0000190	0.0000500	1	07/01/2022 00:47	WG1886883
Acenaphthene	<0.0000190		0.0000190	0.0000500	1	07/01/2022 00:47	WG1886883
Acenaphthylene	<0.0000171		0.0000171	0.0000500	1	07/01/2022 00:47	WG1886883
Benzo(a)anthracene	<0.0000203		0.0000203	0.0000500	1	07/01/2022 00:47	WG1886883
Benzo(a)pyrene	<0.0000184		0.0000184	0.0000500	1	07/01/2022 00:47	WG1886883
Benzo(b)fluoranthene	<0.0000168		0.0000168	0.0000500	1	07/01/2022 00:47	WG1886883
Benzo(g,h,i)perylene	<0.0000184		0.0000184	0.0000500	1	07/01/2022 00:47	WG1886883
Benzo(k)fluoranthene	<0.0000202		0.0000202	0.0000500	1	07/01/2022 00:47	WG1886883
Chrysene	<0.0000179		0.0000179	0.0000500	1	07/01/2022 00:47	WG1886883
Dibenz(a,h)anthracene	<0.0000160		0.0000160	0.0000500	1	07/01/2022 00:47	WG1886883
Dibenzofuran	<0.0000191		0.0000191	0.0000500	1	07/01/2022 00:47	WG1886883
Fluoranthene	<0.0000270		0.0000270	0.000100	1	07/01/2022 00:47	WG1886883
Fluorene	<0.0000169		0.0000169	0.0000500	1	07/01/2022 00:47	WG1886883
Indeno(1,2,3-cd)pyrene	<0.0000158		0.0000158	0.0000500	1	07/01/2022 00:47	WG1886883
Naphthalene	<0.0000917		0.0000917	0.000250	1	07/01/2022 00:47	WG1886883
Phenanthrene	<0.0000180		0.0000180	0.0000500	1	07/01/2022 00:47	WG1886883
Pyrene	<0.0000169		0.0000169	0.0000500	1	07/01/2022 00:47	WG1886883
1-Methylnaphthalene	<0.0000687		0.0000687	0.000250	1	07/01/2022 00:47	WG1886883
2-Methylnaphthalene	<0.0000674		0.0000674	0.000250	1	07/01/2022 00:47	WG1886883
2-Chloronaphthalene	<0.0000682		0.0000682	0.000250	1	07/01/2022 00:47	WG1886883
(S) Nitrobenzene-d5	*86.3*			*31.0-160*		*07/01/2022 00:47*	WG1886883
(S) 2-Fluorobiphenyl	*92.6*			*48.0-148*		*07/01/2022 00:47*	WG1886883
(S) p-Terphenyl-d14	*109*			*37.0-146*		*07/01/2022 00:47*	WG1886883

MW-3
Collected date/time: 06/23/22 14:15

SAMPLE RESULTS - 05

L1509144

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	<0.0000941		0.0000941	0.00100	1	07/07/2022 13:12	WG1891103
Toluene	<0.000278		0.000278	0.00100	1	07/07/2022 01:05	WG1890739
Ethylbenzene	<0.000137		0.000137	0.00100	1	07/07/2022 01:05	WG1890739
Total Xylenes	<0.000174		0.000174	0.00300	1	07/07/2022 01:05	WG1890739
(S) Toluene-d8	*93.8*			*80.0-120*		*07/07/2022 01:05*	WG1890739
(S) Toluene-d8	*87.3*			*80.0-120*		*07/07/2022 13:12*	WG1891103
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*07/07/2022 01:05*	WG1890739
(S) 4-Bromofluorobenzene	*86.3*			*77.0-126*		*07/07/2022 13:12*	WG1891103
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*07/07/2022 01:05*	WG1890739
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*07/07/2022 13:12*	WG1891103

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	<0.0000190		0.0000190	0.0000500	1	07/01/2022 01:04	WG1886883
Acenaphthene	<0.0000190		0.0000190	0.0000500	1	07/01/2022 01:04	WG1886883
Acenaphthylene	<0.0000171		0.0000171	0.0000500	1	07/01/2022 01:04	WG1886883
Benzo(a)anthracene	<0.0000203		0.0000203	0.0000500	1	07/01/2022 01:04	WG1886883
Benzo(a)pyrene	<0.0000184		0.0000184	0.0000500	1	07/01/2022 01:04	WG1886883
Benzo(b)fluoranthene	<0.0000168		0.0000168	0.0000500	1	07/01/2022 01:04	WG1886883
Benzo(g,h,i)perylene	<0.0000184		0.0000184	0.0000500	1	07/01/2022 01:04	WG1886883
Benzo(k)fluoranthene	<0.0000202		0.0000202	0.0000500	1	07/01/2022 01:04	WG1886883
Chrysene	<0.0000179		0.0000179	0.0000500	1	07/01/2022 01:04	WG1886883
Dibenz(a,h)anthracene	<0.0000160		0.0000160	0.0000500	1	07/01/2022 01:04	WG1886883
Dibenzofuran	<0.0000191		0.0000191	0.0000500	1	07/01/2022 01:04	WG1886883
Fluoranthene	<0.0000270		0.0000270	0.000100	1	07/01/2022 01:04	WG1886883
Fluorene	<0.0000169		0.0000169	0.0000500	1	07/01/2022 01:04	WG1886883
Indeno(1,2,3-cd)pyrene	<0.0000158		0.0000158	0.0000500	1	07/01/2022 01:04	WG1886883
Naphthalene	<0.0000917		0.0000917	0.000250	1	07/01/2022 01:04	WG1886883
Phenanthrene	<0.0000180		0.0000180	0.0000500	1	07/01/2022 01:04	WG1886883
Pyrene	<0.0000169		0.0000169	0.0000500	1	07/01/2022 01:04	WG1886883
1-Methylnaphthalene	<0.0000687		0.0000687	0.000250	1	07/01/2022 01:04	WG1886883
2-Methylnaphthalene	<0.0000674		0.0000674	0.000250	1	07/01/2022 01:04	WG1886883
2-Chloronaphthalene	<0.0000682		0.0000682	0.000250	1	07/01/2022 01:04	WG1886883
(S) Nitrobenzene-d5	*90.0*			*31.0-160*		*07/01/2022 01:04*	WG1886883
(S) 2-Fluorobiphenyl	*94.7*			*48.0-148*		*07/01/2022 01:04*	WG1886883
(S) p-Terphenyl-d14	*109*			*37.0-146*		*07/01/2022 01:04*	WG1886883

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	<0.0000941		0.0000941	0.00100	1	07/07/2022 13:32	WG1891103
Toluene	<0.000278		0.000278	0.00100	1	07/07/2022 01:27	WG1890739
Ethylbenzene	<0.000137		0.000137	0.00100	1	07/07/2022 01:27	WG1890739
Total Xylenes	<0.000174		0.000174	0.00300	1	07/07/2022 01:27	WG1890739
(S) Toluene-d8	*92.4*			*80.0-120*		*07/07/2022 01:27*	WG1890739
(S) Toluene-d8	*98.4*			*80.0-120*		*07/07/2022 13:32*	WG1891103
(S) 4-Bromofluorobenzene	*97.0*			*77.0-126*		*07/07/2022 01:27*	WG1890739
(S) 4-Bromofluorobenzene	*94.6*			*77.0-126*		*07/07/2022 13:32*	WG1891103
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*07/07/2022 01:27*	WG1890739
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*07/07/2022 13:32*	WG1891103

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	<0.0000190		0.0000190	0.0000500	1	07/01/2022 01:22	WG1886883
Acenaphthene	<0.0000190		0.0000190	0.0000500	1	07/01/2022 01:22	WG1886883
Acenaphthylene	<0.0000171		0.0000171	0.0000500	1	07/01/2022 01:22	WG1886883
Benzo(a)anthracene	<0.0000203		0.0000203	0.0000500	1	07/01/2022 01:22	WG1886883
Benzo(a)pyrene	<0.0000184		0.0000184	0.0000500	1	07/01/2022 01:22	WG1886883
Benzo(b)fluoranthene	<0.0000168		0.0000168	0.0000500	1	07/01/2022 01:22	WG1886883
Benzo(g,h,i)perylene	<0.0000184		0.0000184	0.0000500	1	07/01/2022 01:22	WG1886883
Benzo(k)fluoranthene	<0.0000202		0.0000202	0.0000500	1	07/01/2022 01:22	WG1886883
Chrysene	<0.0000179		0.0000179	0.0000500	1	07/01/2022 01:22	WG1886883
Dibenz(a,h)anthracene	<0.0000160		0.0000160	0.0000500	1	07/01/2022 01:22	WG1886883
Dibenzofuran	<0.0000191		0.0000191	0.0000500	1	07/01/2022 01:22	WG1886883
Fluoranthene	<0.0000270		0.0000270	0.000100	1	07/01/2022 01:22	WG1886883
Fluorene	<0.0000169		0.0000169	0.0000500	1	07/01/2022 01:22	WG1886883
Indeno(1,2,3-cd)pyrene	<0.0000158		0.0000158	0.0000500	1	07/01/2022 01:22	WG1886883
Naphthalene	<0.0000917		0.0000917	0.000250	1	07/01/2022 01:22	WG1886883
Phenanthrene	<0.0000180		0.0000180	0.0000500	1	07/01/2022 01:22	WG1886883
Pyrene	<0.0000169		0.0000169	0.0000500	1	07/01/2022 01:22	WG1886883
1-Methylnaphthalene	<0.0000687		0.0000687	0.000250	1	07/01/2022 01:22	WG1886883
2-Methylnaphthalene	<0.0000674		0.0000674	0.000250	1	07/01/2022 01:22	WG1886883
2-Chloronaphthalene	<0.0000682		0.0000682	0.000250	1	07/01/2022 01:22	WG1886883
(S) Nitrobenzene-d5	*89.5*			*31.0-160*		*07/01/2022 01:22*	WG1886883
(S) 2-Fluorobiphenyl	*94.7*			*48.0-148*		*07/01/2022 01:22*	WG1886883
(S) p-Terphenyl-d14	*112*			*37.0-146*		*07/01/2022 01:22*	WG1886883

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	<0.0000941		0.0000941	0.00100	1	07/07/2022 13:52	WG1891103
Toluene	<0.000278		0.000278	0.00100	1	07/07/2022 01:49	WG1890739
Ethylbenzene	<0.000137		0.000137	0.00100	1	07/07/2022 01:49	WG1890739
Total Xylenes	<0.000174		0.000174	0.00300	1	07/07/2022 01:49	WG1890739
(S) Toluene-d8	*94.4*			*80.0-120*		*07/07/2022 01:49*	WG1890739
(S) Toluene-d8	*103*			*80.0-120*		*07/07/2022 13:52*	WG1891103
(S) 4-Bromofluorobenzene	*98.9*			*77.0-126*		*07/07/2022 01:49*	WG1890739
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*07/07/2022 13:52*	WG1891103
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*07/07/2022 01:49*	WG1890739
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*07/07/2022 13:52*	WG1891103

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	<0.0000190		0.0000190	0.0000500	1	07/01/2022 01:39	WG1886883
Acenaphthene	<0.0000190		0.0000190	0.0000500	1	07/01/2022 01:39	WG1886883
Acenaphthylene	<0.0000171		0.0000171	0.0000500	1	07/01/2022 01:39	WG1886883
Benzo(a)anthracene	<0.0000203		0.0000203	0.0000500	1	07/01/2022 01:39	WG1886883
Benzo(a)pyrene	<0.0000184		0.0000184	0.0000500	1	07/01/2022 01:39	WG1886883
Benzo(b)fluoranthene	<0.0000168		0.0000168	0.0000500	1	07/01/2022 01:39	WG1886883
Benzo(g,h,i)perylene	<0.0000184		0.0000184	0.0000500	1	07/01/2022 01:39	WG1886883
Benzo(k)fluoranthene	<0.0000202		0.0000202	0.0000500	1	07/01/2022 01:39	WG1886883
Chrysene	<0.0000179		0.0000179	0.0000500	1	07/01/2022 01:39	WG1886883
Dibenz(a,h)anthracene	<0.0000160		0.0000160	0.0000500	1	07/01/2022 01:39	WG1886883
Dibenzofuran	<0.0000191		0.0000191	0.0000500	1	07/01/2022 01:39	WG1886883
Fluoranthene	<0.0000270		0.0000270	0.000100	1	07/01/2022 01:39	WG1886883
Fluorene	<0.0000169		0.0000169	0.0000500	1	07/01/2022 01:39	WG1886883
Indeno(1,2,3-cd)pyrene	<0.0000158		0.0000158	0.0000500	1	07/01/2022 01:39	WG1886883
Naphthalene	<0.0000917		0.0000917	0.000250	1	07/01/2022 01:39	WG1886883
Phenanthrene	<0.0000180		0.0000180	0.0000500	1	07/01/2022 01:39	WG1886883
Pyrene	<0.0000169		0.0000169	0.0000500	1	07/01/2022 01:39	WG1886883
1-Methylnaphthalene	<0.0000687		0.0000687	0.000250	1	07/01/2022 01:39	WG1886883
2-Methylnaphthalene	<0.0000674		0.0000674	0.000250	1	07/01/2022 01:39	WG1886883
2-Chloronaphthalene	<0.0000682		0.0000682	0.000250	1	07/01/2022 01:39	WG1886883
(S) Nitrobenzene-d5	*88.9*			*31.0-160*		*07/01/2022 01:39*	WG1886883
(S) 2-Fluorobiphenyl	*94.7*			*48.0-148*		*07/01/2022 01:39*	WG1886883
(S) p-Terphenyl-d14	*112*			*37.0-146*		*07/01/2022 01:39*	WG1886883

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00478	J	0.000471	0.00500	5	07/02/2022 06:17	WG1888920
Toluene	<0.00139		0.00139	0.00500	5	07/02/2022 06:17	WG1888920
Ethylbenzene	0.00883		0.000685	0.00500	5	07/02/2022 06:17	WG1888920
Total Xylenes	0.0106	J	0.000870	0.0150	5	07/02/2022 06:17	WG1888920
(S) Toluene-d8	*96.9*			*80.0-120*		*07/02/2022 06:17*	WG1888920
(S) 4-Bromofluorobenzene	*99.4*			*77.0-126*		*07/02/2022 06:17*	WG1888920
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*07/02/2022 06:17*	WG1888920

Sample Narrative:

L1509144-08 WG1888920: Lowest possible dilution due to sample foaming.

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	<0.0000190		0.0000190	0.0000500	1	07/01/2022 01:56	WG1886883
Acenaphthene	0.0000983		0.0000190	0.0000500	1	07/01/2022 01:56	WG1886883
Acenaphthylene	<0.0000171		0.0000171	0.0000500	1	07/01/2022 01:56	WG1886883
Benzo(a)anthracene	<0.0000203		0.0000203	0.0000500	1	07/01/2022 01:56	WG1886883
Benzo(a)pyrene	<0.0000184		0.0000184	0.0000500	1	07/01/2022 01:56	WG1886883
Benzo(b)fluoranthene	<0.0000168		0.0000168	0.0000500	1	07/01/2022 01:56	WG1886883
Benzo(g,h,i)perylene	<0.0000184		0.0000184	0.0000500	1	07/01/2022 01:56	WG1886883
Benzo(k)fluoranthene	<0.0000202		0.0000202	0.0000500	1	07/01/2022 01:56	WG1886883
Chrysene	<0.0000179		0.0000179	0.0000500	1	07/01/2022 01:56	WG1886883
Dibenz(a,h)anthracene	<0.0000160		0.0000160	0.0000500	1	07/01/2022 01:56	WG1886883
Dibenzofuran	0.000547		0.0000191	0.0000500	1	07/01/2022 01:56	WG1886883
Fluoranthene	<0.0000270		0.0000270	0.000100	1	07/01/2022 01:56	WG1886883
Fluorene	0.000423		0.0000169	0.0000500	1	07/01/2022 01:56	WG1886883
Indeno(1,2,3-cd)pyrene	<0.0000158		0.0000158	0.0000500	1	07/01/2022 01:56	WG1886883
Naphthalene	0.00416		0.0000917	0.000250	1	07/01/2022 01:56	WG1886883
Phenanthrene	0.000286		0.0000180	0.0000500	1	07/01/2022 01:56	WG1886883
Pyrene	<0.0000169		0.0000169	0.0000500	1	07/01/2022 01:56	WG1886883
1-Methylnaphthalene	0.00521		0.0000687	0.000250	1	07/01/2022 01:56	WG1886883
2-Methylnaphthalene	0.00316		0.0000674	0.000250	1	07/01/2022 01:56	WG1886883
2-Chloronaphthalene	<0.0000682		0.0000682	0.000250	1	07/01/2022 01:56	WG1886883
(S) Nitrobenzene-d5	*114*			*31.0-160*		*07/01/2022 01:56*	WG1886883
(S) 2-Fluorobiphenyl	*90.5*			*48.0-148*		*07/01/2022 01:56*	WG1886883
(S) p-Terphenyl-d14	*106*			*37.0-146*		*07/01/2022 01:56*	WG1886883

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00546		0.0000941	0.00100	1	07/02/2022 02:24	WG1888920
Toluene	0.00106		0.000278	0.00100	1	07/02/2022 02:24	WG1888920
Ethylbenzene	0.00658		0.000137	0.00100	1	07/02/2022 02:24	WG1888920
Total Xylenes	0.0373		0.000174	0.00300	1	07/02/2022 02:24	WG1888920
(S) Toluene-d8	*98.6*			*80.0-120*		*07/02/2022 02:24*	WG1888920
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*07/02/2022 02:24*	WG1888920
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*07/02/2022 02:24*	WG1888920

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	<0.0000190		0.0000190	0.0000500	1	07/01/2022 02:14	WG1886883
Acenaphthene	0.0000689		0.0000190	0.0000500	1	07/01/2022 02:14	WG1886883
Acenaphthylene	<0.0000171		0.0000171	0.0000500	1	07/01/2022 02:14	WG1886883
Benzo(a)anthracene	<0.0000203		0.0000203	0.0000500	1	07/01/2022 02:14	WG1886883
Benzo(a)pyrene	<0.0000184		0.0000184	0.0000500	1	07/01/2022 02:14	WG1886883
Benzo(b)fluoranthene	<0.0000168		0.0000168	0.0000500	1	07/01/2022 02:14	WG1886883
Benzo(g,h,i)perylene	<0.0000184		0.0000184	0.0000500	1	07/01/2022 02:14	WG1886883
Benzo(k)fluoranthene	<0.0000202		0.0000202	0.0000500	1	07/01/2022 02:14	WG1886883
Chrysene	<0.0000179		0.0000179	0.0000500	1	07/01/2022 02:14	WG1886883
Dibenz(a,h)anthracene	<0.0000160		0.0000160	0.0000500	1	07/01/2022 02:14	WG1886883
Dibenzofuran	0.000332		0.0000191	0.0000500	1	07/01/2022 02:14	WG1886883
Fluoranthene	<0.0000270		0.0000270	0.000100	1	07/01/2022 02:14	WG1886883
Fluorene	0.000245		0.0000169	0.0000500	1	07/01/2022 02:14	WG1886883
Indeno(1,2,3-cd)pyrene	<0.0000158		0.0000158	0.0000500	1	07/01/2022 02:14	WG1886883
Naphthalene	0.00185		0.0000917	0.000250	1	07/01/2022 02:14	WG1886883
Phenanthrene	0.000134		0.0000180	0.0000500	1	07/01/2022 02:14	WG1886883
Pyrene	<0.0000169		0.0000169	0.0000500	1	07/01/2022 02:14	WG1886883
1-Methylnaphthalene	0.00254		0.0000687	0.000250	1	07/01/2022 02:14	WG1886883
2-Methylnaphthalene	0.00164		0.0000674	0.000250	1	07/01/2022 02:14	WG1886883
2-Chloronaphthalene	<0.0000682		0.0000682	0.000250	1	07/01/2022 02:14	WG1886883
(S) Nitrobenzene-d5	*93.2*			*31.0-160*		*07/01/2022 02:14*	WG1886883
(S) 2-Fluorobiphenyl	*92.6*			*48.0-148*		*07/01/2022 02:14*	WG1886883
(S) p-Terphenyl-d14	*107*			*37.0-146*		*07/01/2022 02:14*	WG1886883

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000539	J	0.0000941	0.00100	1	07/02/2022 02:43	WG1888920
Toluene	<0.000278		0.000278	0.00100	1	07/02/2022 02:43	WG1888920
Ethylbenzene	0.00197		0.000137	0.00100	1	07/02/2022 02:43	WG1888920
Total Xylenes	0.00146	J	0.000174	0.00300	1	07/02/2022 02:43	WG1888920
(S) Toluene-d8	*97.4*			*80.0-120*		*07/02/2022 02:43*	WG1888920
(S) 4-Bromofluorobenzene	*98.9*			*77.0-126*		*07/02/2022 02:43*	WG1888920
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*07/02/2022 02:43*	WG1888920

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	<0.0000190		0.0000190	0.0000500	1	07/01/2022 02:31	WG1886883
Acenaphthene	0.0000706		0.0000190	0.0000500	1	07/01/2022 02:31	WG1886883
Acenaphthylene	<0.0000171		0.0000171	0.0000500	1	07/01/2022 02:31	WG1886883
Benzo(a)anthracene	<0.0000203		0.0000203	0.0000500	1	07/01/2022 02:31	WG1886883
Benzo(a)pyrene	<0.0000184		0.0000184	0.0000500	1	07/01/2022 02:31	WG1886883
Benzo(b)fluoranthene	<0.0000168		0.0000168	0.0000500	1	07/01/2022 02:31	WG1886883
Benzo(g,h,i)perylene	<0.0000184		0.0000184	0.0000500	1	07/01/2022 02:31	WG1886883
Benzo(k)fluoranthene	<0.0000202		0.0000202	0.0000500	1	07/01/2022 02:31	WG1886883
Chrysene	<0.0000179		0.0000179	0.0000500	1	07/01/2022 02:31	WG1886883
Dibenz(a,h)anthracene	<0.0000160		0.0000160	0.0000500	1	07/01/2022 02:31	WG1886883
Dibenzofuran	0.000690		0.0000191	0.0000500	1	07/01/2022 02:31	WG1886883
Fluoranthene	<0.0000270		0.0000270	0.000100	1	07/01/2022 02:31	WG1886883
Fluorene	0.000292		0.0000169	0.0000500	1	07/01/2022 02:31	WG1886883
Indeno(1,2,3-cd)pyrene	<0.0000158		0.0000158	0.0000500	1	07/01/2022 02:31	WG1886883
Naphthalene	0.000746		0.0000917	0.000250	1	07/01/2022 02:31	WG1886883
Phenanthrene	0.000244		0.0000180	0.0000500	1	07/01/2022 02:31	WG1886883
Pyrene	<0.0000169		0.0000169	0.0000500	1	07/01/2022 02:31	WG1886883
1-Methylnaphthalene	0.00159		0.0000687	0.000250	1	07/01/2022 02:31	WG1886883
2-Methylnaphthalene	0.00103		0.0000674	0.000250	1	07/01/2022 02:31	WG1886883
2-Chloronaphthalene	<0.0000682		0.0000682	0.000250	1	07/01/2022 02:31	WG1886883
(S) Nitrobenzene-d5	*92.6*			*31.0-160*		*07/01/2022 02:31*	WG1886883
(S) 2-Fluorobiphenyl	*92.6*			*48.0-148*		*07/01/2022 02:31*	WG1886883
(S) p-Terphenyl-d14	*108*			*37.0-146*		*07/01/2022 02:31*	WG1886883

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	<0.0000941		0.0000941	0.00100	1	07/02/2022 03:03	WG1888920
Toluene	<0.000278		0.000278	0.00100	1	07/02/2022 03:03	WG1888920
Ethylbenzene	<0.000137		0.000137	0.00100	1	07/02/2022 03:03	WG1888920
Total Xylenes	<0.000174		0.000174	0.00300	1	07/02/2022 03:03	WG1888920
(S) Toluene-d8	*99.1*			*80.0-120*		*07/02/2022 03:03*	WG1888920
(S) 4-Bromofluorobenzene	*97.9*			*77.0-126*		*07/02/2022 03:03*	WG1888920
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*07/02/2022 03:03*	WG1888920

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	<0.0000190		0.0000190	0.0000500	1	07/01/2022 02:49	WG1886883
Acenaphthene	<0.0000190		0.0000190	0.0000500	1	07/01/2022 02:49	WG1886883
Acenaphthylene	<0.0000171		0.0000171	0.0000500	1	07/01/2022 02:49	WG1886883
Benzo(a)anthracene	<0.0000203		0.0000203	0.0000500	1	07/01/2022 02:49	WG1886883
Benzo(a)pyrene	<0.0000184		0.0000184	0.0000500	1	07/01/2022 02:49	WG1886883
Benzo(b)fluoranthene	<0.0000168		0.0000168	0.0000500	1	07/01/2022 02:49	WG1886883
Benzo(g,h,i)perylene	<0.0000184		0.0000184	0.0000500	1	07/01/2022 02:49	WG1886883
Benzo(k)fluoranthene	<0.0000202		0.0000202	0.0000500	1	07/01/2022 02:49	WG1886883
Chrysene	<0.0000179		0.0000179	0.0000500	1	07/01/2022 02:49	WG1886883
Dibenz(a,h)anthracene	<0.0000160		0.0000160	0.0000500	1	07/01/2022 02:49	WG1886883
Dibenzofuran	<0.0000191		0.0000191	0.0000500	1	07/01/2022 02:49	WG1886883
Fluoranthene	<0.0000270		0.0000270	0.000100	1	07/01/2022 02:49	WG1886883
Fluorene	<0.0000169		0.0000169	0.0000500	1	07/01/2022 02:49	WG1886883
Indeno(1,2,3-cd)pyrene	<0.0000158		0.0000158	0.0000500	1	07/01/2022 02:49	WG1886883
Naphthalene	<0.0000917		0.0000917	0.000250	1	07/01/2022 02:49	WG1886883
Phenanthrene	<0.0000180		0.0000180	0.0000500	1	07/01/2022 02:49	WG1886883
Pyrene	<0.0000169		0.0000169	0.0000500	1	07/01/2022 02:49	WG1886883
1-Methylnaphthalene	<0.0000687		0.0000687	0.000250	1	07/01/2022 02:49	WG1886883
2-Methylnaphthalene	<0.0000674		0.0000674	0.000250	1	07/01/2022 02:49	WG1886883
2-Chloronaphthalene	<0.0000682		0.0000682	0.000250	1	07/01/2022 02:49	WG1886883
(S) Nitrobenzene-d5	*88.9*			*31.0-160*		*07/01/2022 02:49*	WG1886883
(S) 2-Fluorobiphenyl	*93.2*			*48.0-148*		*07/01/2022 02:49*	WG1886883
(S) p-Terphenyl-d14	*106*			*37.0-146*		*07/01/2022 02:49*	WG1886883

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	<0.0000941		0.0000941	0.00100	1	07/02/2022 03:22	WG1888920
Toluene	<0.000278		0.000278	0.00100	1	07/02/2022 03:22	WG1888920
Ethylbenzene	<0.000137		0.000137	0.00100	1	07/02/2022 03:22	WG1888920
Total Xylenes	<0.000174		0.000174	0.00300	1	07/02/2022 03:22	WG1888920
(S) Toluene-d8	*99.3*			*80.0-120*		*07/02/2022 03:22*	WG1888920
(S) 4-Bromofluorobenzene	*97.2*			*77.0-126*		*07/02/2022 03:22*	WG1888920
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*07/02/2022 03:22*	WG1888920

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	<0.0000190		0.0000190	0.0000500	1	07/01/2022 03:06	WG1886883
Acenaphthene	<0.0000190		0.0000190	0.0000500	1	07/01/2022 03:06	WG1886883
Acenaphthylene	<0.0000171		0.0000171	0.0000500	1	07/01/2022 03:06	WG1886883
Benzo(a)anthracene	<0.0000203		0.0000203	0.0000500	1	07/01/2022 03:06	WG1886883
Benzo(a)pyrene	<0.0000184		0.0000184	0.0000500	1	07/01/2022 03:06	WG1886883
Benzo(b)fluoranthene	<0.0000168		0.0000168	0.0000500	1	07/01/2022 03:06	WG1886883
Benzo(g,h,i)perylene	<0.0000184		0.0000184	0.0000500	1	07/01/2022 03:06	WG1886883
Benzo(k)fluoranthene	<0.0000202		0.0000202	0.0000500	1	07/01/2022 03:06	WG1886883
Chrysene	<0.0000179		0.0000179	0.0000500	1	07/01/2022 03:06	WG1886883
Dibenz(a,h)anthracene	<0.0000160		0.0000160	0.0000500	1	07/01/2022 03:06	WG1886883
Dibenzofuran	<0.0000191		0.0000191	0.0000500	1	07/01/2022 03:06	WG1886883
Fluoranthene	<0.0000270		0.0000270	0.000100	1	07/01/2022 03:06	WG1886883
Fluorene	<0.0000169		0.0000169	0.0000500	1	07/01/2022 03:06	WG1886883
Indeno(1,2,3-cd)pyrene	<0.0000158		0.0000158	0.0000500	1	07/01/2022 03:06	WG1886883
Naphthalene	<0.0000917		0.0000917	0.000250	1	07/01/2022 03:06	WG1886883
Phenanthrene	<0.0000180		0.0000180	0.0000500	1	07/01/2022 03:06	WG1886883
Pyrene	<0.0000169		0.0000169	0.0000500	1	07/01/2022 03:06	WG1886883
1-Methylnaphthalene	<0.0000687		0.0000687	0.000250	1	07/01/2022 03:06	WG1886883
2-Methylnaphthalene	<0.0000674		0.0000674	0.000250	1	07/01/2022 03:06	WG1886883
2-Chloronaphthalene	<0.0000682		0.0000682	0.000250	1	07/01/2022 03:06	WG1886883
(S) Nitrobenzene-d5	*91.6*			*31.0-160*		*07/01/2022 03:06*	WG1886883
(S) 2-Fluorobiphenyl	*95.8*			*48.0-148*		*07/01/2022 03:06*	WG1886883
(S) p-Terphenyl-d14	*113*			*37.0-146*		*07/01/2022 03:06*	WG1886883

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	<0.0000941		0.0000941	0.00100	1	07/07/2022 14:12	WG1891103
Toluene	<0.000278		0.000278	0.00100	1	07/07/2022 02:11	WG1890739
Ethylbenzene	<0.000137		0.000137	0.00100	1	07/07/2022 02:11	WG1890739
Total Xylenes	<0.000174		0.000174	0.00300	1	07/07/2022 02:11	WG1890739
(S) Toluene-d8	*96.1*			*80.0-120*		*07/07/2022 02:11*	WG1890739
(S) Toluene-d8	*96.6*			*80.0-120*		*07/07/2022 14:12*	WG1891103
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*07/07/2022 02:11*	WG1890739
(S) 4-Bromofluorobenzene	*97.8*			*77.0-126*		*07/07/2022 14:12*	WG1891103
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*07/07/2022 02:11*	WG1890739
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*07/07/2022 14:12*	WG1891103

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	<0.0000190		0.0000190	0.0000500	1	07/01/2022 03:23	WG1886883
Acenaphthene	<0.0000190		0.0000190	0.0000500	1	07/01/2022 03:23	WG1886883
Acenaphthylene	<0.0000171		0.0000171	0.0000500	1	07/01/2022 03:23	WG1886883
Benzo(a)anthracene	<0.0000203		0.0000203	0.0000500	1	07/01/2022 03:23	WG1886883
Benzo(a)pyrene	<0.0000184		0.0000184	0.0000500	1	07/01/2022 03:23	WG1886883
Benzo(b)fluoranthene	<0.0000168		0.0000168	0.0000500	1	07/01/2022 03:23	WG1886883
Benzo(g,h,i)perylene	<0.0000184		0.0000184	0.0000500	1	07/01/2022 03:23	WG1886883
Benzo(k)fluoranthene	<0.0000202		0.0000202	0.0000500	1	07/01/2022 03:23	WG1886883
Chrysene	<0.0000179		0.0000179	0.0000500	1	07/01/2022 03:23	WG1886883
Dibenz(a,h)anthracene	<0.0000160		0.0000160	0.0000500	1	07/01/2022 03:23	WG1886883
Dibenzofuran	<0.0000191		0.0000191	0.0000500	1	07/01/2022 03:23	WG1886883
Fluoranthene	<0.0000270		0.0000270	0.000100	1	07/01/2022 03:23	WG1886883
Fluorene	<0.0000169		0.0000169	0.0000500	1	07/01/2022 03:23	WG1886883
Indeno(1,2,3-cd)pyrene	<0.0000158		0.0000158	0.0000500	1	07/01/2022 03:23	WG1886883
Naphthalene	<0.0000917		0.0000917	0.000250	1	07/01/2022 03:23	WG1886883
Phenanthrene	<0.0000180		0.0000180	0.0000500	1	07/01/2022 03:23	WG1886883
Pyrene	<0.0000169		0.0000169	0.0000500	1	07/01/2022 03:23	WG1886883
1-Methylnaphthalene	<0.0000687		0.0000687	0.000250	1	07/01/2022 03:23	WG1886883
2-Methylnaphthalene	<0.0000674		0.0000674	0.000250	1	07/01/2022 03:23	WG1886883
2-Chloronaphthalene	<0.0000682		0.0000682	0.000250	1	07/01/2022 03:23	WG1886883
(S) Nitrobenzene-d5	*91.6*			*31.0-160*		*07/01/2022 03:23*	WG1886883
(S) 2-Fluorobiphenyl	*94.7*			*48.0-148*		*07/01/2022 03:23*	WG1886883
(S) p-Terphenyl-d14	*109*			*37.0-146*		*07/01/2022 03:23*	WG1886883

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000332	J	0.0000941	0.00100	1	07/02/2022 03:45	WG1889041
Toluene	<0.000278		0.000278	0.00100	1	07/02/2022 03:45	WG1889041
Ethylbenzene	0.00104		0.000137	0.00100	1	07/02/2022 03:45	WG1889041
Total Xylenes	<0.000174		0.000174	0.00300	1	07/02/2022 03:45	WG1889041
(S) Toluene-d8	*95.3*			*80.0-120*		*07/02/2022 03:45*	WG1889041
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*07/02/2022 03:45*	WG1889041
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*		*07/02/2022 03:45*	WG1889041

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	<0.0000190		0.0000190	0.0000500	1	07/01/2022 03:41	WG1886883
Acenaphthene	<0.0000190		0.0000190	0.0000500	1	07/01/2022 03:41	WG1886883
Acenaphthylene	<0.0000171		0.0000171	0.0000500	1	07/01/2022 03:41	WG1886883
Benzo(a)anthracene	<0.0000203		0.0000203	0.0000500	1	07/01/2022 03:41	WG1886883
Benzo(a)pyrene	<0.0000184		0.0000184	0.0000500	1	07/01/2022 03:41	WG1886883
Benzo(b)fluoranthene	<0.0000168		0.0000168	0.0000500	1	07/01/2022 03:41	WG1886883
Benzo(g,h,i)perylene	<0.0000184		0.0000184	0.0000500	1	07/01/2022 03:41	WG1886883
Benzo(k)fluoranthene	<0.0000202		0.0000202	0.0000500	1	07/01/2022 03:41	WG1886883
Chrysene	<0.0000179		0.0000179	0.0000500	1	07/01/2022 03:41	WG1886883
Dibenz(a,h)anthracene	<0.0000160		0.0000160	0.0000500	1	07/01/2022 03:41	WG1886883
Dibenzofuran	0.0000783		0.0000191	0.0000500	1	07/01/2022 03:41	WG1886883
Fluoranthene	<0.0000270		0.0000270	0.000100	1	07/01/2022 03:41	WG1886883
Fluorene	0.0000420	J	0.0000169	0.0000500	1	07/01/2022 03:41	WG1886883
Indeno(1,2,3-cd)pyrene	<0.0000158		0.0000158	0.0000500	1	07/01/2022 03:41	WG1886883
Naphthalene	<0.0000917		0.0000917	0.000250	1	07/01/2022 03:41	WG1886883
Phenanthrene	0.0000306	J	0.0000180	0.0000500	1	07/01/2022 03:41	WG1886883
Pyrene	<0.0000169		0.0000169	0.0000500	1	07/01/2022 03:41	WG1886883
1-Methylnaphthalene	0.0000792	J	0.0000687	0.000250	1	07/01/2022 03:41	WG1886883
2-Methylnaphthalene	<0.0000674		0.0000674	0.000250	1	07/01/2022 03:41	WG1886883
2-Chloronaphthalene	<0.0000682		0.0000682	0.000250	1	07/01/2022 03:41	WG1886883
(S) Nitrobenzene-d5	*89.5*			*31.0-160*		*07/01/2022 03:41*	WG1886883
(S) 2-Fluorobiphenyl	*93.2*			*48.0-148*		*07/01/2022 03:41*	WG1886883
(S) p-Terphenyl-d14	*109*			*37.0-146*		*07/01/2022 03:41*	WG1886883

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000989	J	0.0000941	0.00100	1	07/02/2022 04:05	WG1889041
Toluene	<0.000278		0.000278	0.00100	1	07/02/2022 04:05	WG1889041
Ethylbenzene	0.0219		0.000137	0.00100	1	07/02/2022 04:05	WG1889041
Total Xylenes	0.0533		0.000174	0.00300	1	07/02/2022 04:05	WG1889041
(S) Toluene-d8	*133*	J1		*80.0-120*		*07/02/2022 04:05*	WG1889041
(S) 4-Bromofluorobenzene	*135*	J1		*77.0-126*		*07/02/2022 04:05*	WG1889041
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*07/02/2022 04:05*	WG1889041

Sample Narrative:

L1509144-15 WG1889041: Surrogate failure due to sample matrix.

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	<0.0000190		0.0000190	0.0000500	1	07/01/2022 03:58	WG1886883
Acenaphthene	0.000305		0.0000190	0.0000500	1	07/01/2022 03:58	WG1886883
Acenaphthylene	<0.0000171		0.0000171	0.0000500	1	07/01/2022 03:58	WG1886883
Benzo(a)anthracene	<0.0000203		0.0000203	0.0000500	1	07/01/2022 03:58	WG1886883
Benzo(a)pyrene	<0.0000184		0.0000184	0.0000500	1	07/01/2022 03:58	WG1886883
Benzo(b)fluoranthene	<0.0000168		0.0000168	0.0000500	1	07/01/2022 03:58	WG1886883
Benzo(g,h,i)perylene	<0.0000184		0.0000184	0.0000500	1	07/01/2022 03:58	WG1886883
Benzo(k)fluoranthene	<0.0000202		0.0000202	0.0000500	1	07/01/2022 03:58	WG1886883
Chrysene	<0.0000179		0.0000179	0.0000500	1	07/01/2022 03:58	WG1886883
Dibenz(a,h)anthracene	<0.0000160		0.0000160	0.0000500	1	07/01/2022 03:58	WG1886883
Dibenzofuran	0.00288		0.0000191	0.0000500	1	07/01/2022 03:58	WG1886883
Fluoranthene	<0.0000270		0.0000270	0.000100	1	07/01/2022 03:58	WG1886883
Fluorene	0.00176		0.0000169	0.0000500	1	07/01/2022 03:58	WG1886883
Indeno(1,2,3-cd)pyrene	<0.0000158		0.0000158	0.0000500	1	07/01/2022 03:58	WG1886883
Naphthalene	0.00486		0.0000917	0.000250	1	07/01/2022 03:58	WG1886883
Phenanthrene	0.00128		0.0000180	0.0000500	1	07/01/2022 03:58	WG1886883
Pyrene	0.0000186	J	0.0000169	0.0000500	1	07/01/2022 03:58	WG1886883
1-Methylnaphthalene	0.0104		0.0000687	0.000250	1	07/01/2022 03:58	WG1886883
2-Methylnaphthalene	0.00329		0.0000674	0.000250	1	07/01/2022 03:58	WG1886883
2-Chloronaphthalene	<0.0000682		0.0000682	0.000250	1	07/01/2022 03:58	WG1886883
(S) Nitrobenzene-d5	*98.9*			*31.0-160*		*07/01/2022 03:58*	WG1886883
(S) 2-Fluorobiphenyl	*84.7*			*48.0-148*		*07/01/2022 03:58*	WG1886883
(S) p-Terphenyl-d14	*107*			*37.0-146*		*07/01/2022 03:58*	WG1886883

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	<0.0000941		0.0000941	0.00100	1	07/02/2022 04:25	WG1889041
Toluene	<0.000278		0.000278	0.00100	1	07/02/2022 04:25	WG1889041
Ethylbenzene	<0.000137		0.000137	0.00100	1	07/02/2022 04:25	WG1889041
Total Xylenes	<0.000174		0.000174	0.00300	1	07/02/2022 04:25	WG1889041
(S) Toluene-d8	*89.1*			*80.0-120*		*07/02/2022 04:25*	WG1889041
(S) 4-Bromofluorobenzene	*97.9*			*77.0-126*		*07/02/2022 04:25*	WG1889041
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*07/02/2022 04:25*	WG1889041

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	<0.0000190		0.0000190	0.0000500	1	07/01/2022 04:16	WG1886883
Acenaphthene	<0.0000190		0.0000190	0.0000500	1	07/01/2022 04:16	WG1886883
Acenaphthylene	<0.0000171		0.0000171	0.0000500	1	07/01/2022 04:16	WG1886883
Benzo(a)anthracene	<0.0000203		0.0000203	0.0000500	1	07/01/2022 04:16	WG1886883
Benzo(a)pyrene	<0.0000184		0.0000184	0.0000500	1	07/01/2022 04:16	WG1886883
Benzo(b)fluoranthene	<0.0000168		0.0000168	0.0000500	1	07/01/2022 04:16	WG1886883
Benzo(g,h,i)perylene	<0.0000184		0.0000184	0.0000500	1	07/01/2022 04:16	WG1886883
Benzo(k)fluoranthene	<0.0000202		0.0000202	0.0000500	1	07/01/2022 04:16	WG1886883
Chrysene	<0.0000179		0.0000179	0.0000500	1	07/01/2022 04:16	WG1886883
Dibenz(a,h)anthracene	<0.0000160		0.0000160	0.0000500	1	07/01/2022 04:16	WG1886883
Dibenzofuran	0.0000401	J	0.0000191	0.0000500	1	07/01/2022 04:16	WG1886883
Fluoranthene	<0.0000270		0.0000270	0.000100	1	07/01/2022 04:16	WG1886883
Fluorene	<0.0000169		0.0000169	0.0000500	1	07/01/2022 04:16	WG1886883
Indeno(1,2,3-cd)pyrene	<0.0000158		0.0000158	0.0000500	1	07/01/2022 04:16	WG1886883
Naphthalene	<0.0000917		0.0000917	0.000250	1	07/01/2022 04:16	WG1886883
Phenanthrene	<0.0000180		0.0000180	0.0000500	1	07/01/2022 04:16	WG1886883
Pyrene	<0.0000169		0.0000169	0.0000500	1	07/01/2022 04:16	WG1886883
1-Methylnaphthalene	<0.0000687		0.0000687	0.000250	1	07/01/2022 04:16	WG1886883
2-Methylnaphthalene	<0.0000674		0.0000674	0.000250	1	07/01/2022 04:16	WG1886883
2-Chloronaphthalene	<0.0000682		0.0000682	0.000250	1	07/01/2022 04:16	WG1886883
(S) Nitrobenzene-d5	*90.5*			*31.0-160*		*07/01/2022 04:16*	WG1886883
(S) 2-Fluorobiphenyl	*93.2*			*48.0-148*		*07/01/2022 04:16*	WG1886883
(S) p-Terphenyl-d14	*103*			*37.0-146*		*07/01/2022 04:16*	WG1886883

Method Blank (MB)

(MB) R3811454-3 07/02/22 00:08

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	<0.0000941		0.0000941	0.00100
Toluene	<0.000278		0.000278	0.00100
Ethylbenzene	<0.000137		0.000137	0.00100
Xylenes, Total	<0.000174		0.000174	0.00300
(S) Toluene-d8	*97.5*			*80.0-120*
(S) 4-Bromofluorobenzene	*97.5*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*

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

(LCS) R3811454-1 07/01/22 23:10 • (LCSD) R3811454-2 07/01/22 23:29

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00481	0.00493	96.2	98.6	70.0-123			2.46	20
Toluene	0.00500	0.00427	0.00446	85.4	89.2	79.0-120			4.35	20
Ethylbenzene	0.00500	0.00438	0.00456	87.6	91.2	79.0-123			4.03	20
Xylenes, Total	0.0150	0.0133	0.0134	88.7	89.3	79.0-123			0.749	20
(S) Toluene-d8				*96.5*	*97.2*	*80.0-120*				
(S) 4-Bromofluorobenzene				*101*	*101*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*111*	*108*	*70.0-130*				

Method Blank (MB)

(MB) R3810877-2 07/01/22 22:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	<0.0000941		0.0000941	0.00100
Toluene	<0.000278		0.000278	0.00100
Ethylbenzene	<0.000137		0.000137	0.00100
Xylenes, Total	<0.000174		0.000174	0.00300
(S) Toluene-d8	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*109*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3810877-1 07/01/22 21:58

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00479	95.8	70.0-123	
Toluene	0.00500	0.00463	92.6	79.0-120	
Ethylbenzene	0.00500	0.00491	98.2	79.0-123	
Xylenes, Total	0.0150	0.0145	96.7	79.0-123	
(S) Toluene-d8			*97.8*	*80.0-120*	
(S) 4-Bromofluorobenzene			*97.6*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*111*	*70.0-130*	

Method Blank (MB)

(MB) R3811754-3 07/06/22 17:56

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Toluene	<0.000278		0.000278	0.00100
Ethylbenzene	<0.000137		0.000137	0.00100
Xylenes, Total	<0.000174		0.000174	0.00300
(S) Toluene-d8	*95.4*			*80.0-120*
(S) 4-Bromofluorobenzene	*99.8*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*

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

(LCS) R3811754-1 07/06/22 16:50 • (LCSD) R3811754-2 07/06/22 17:12

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Toluene	0.00500	0.00494	0.00519	98.8	104	79.0-120			4.94	20
Ethylbenzene	0.00500	0.00506	0.00505	101	101	79.0-123			0.198	20
Xylenes, Total	0.0150	0.0142	0.0153	94.7	102	79.0-123			7.46	20
(S) Toluene-d8				*92.1*	*92.2*	*80.0-120*				
(S) 4-Bromofluorobenzene				*98.0*	*99.7*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*108*	*107*	*70.0-130*				

Method Blank (MB)

(MB) R3812020-4 07/07/22 10:34

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	<0.0000941		0.0000941	0.00100
(S) Toluene-d8	*99.7*			*80.0-120*
(S) 4-Bromofluorobenzene	*103*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

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

(LCS) R3812020-1 07/07/22 07:09 • (LCSD) R3812020-2 07/07/22 07:29

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00541	0.00595	108	119	70.0-123			9.51	20
(S) Toluene-d8				*92.4*	*93.1*	*80.0-120*				
(S) 4-Bromofluorobenzene				*94.0*	*93.1*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*101*	*97.5*	*70.0-130*				

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

Method Blank (MB)

(MB) R3809917-3 06/30/22 22:28

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Anthracene	<0.0000190		0.0000190	0.0000500
Acenaphthene	<0.0000190		0.0000190	0.0000500
Acenaphthylene	<0.0000171		0.0000171	0.0000500
Benzo(a)anthracene	<0.0000203		0.0000203	0.0000500
Benzo(a)pyrene	<0.0000184		0.0000184	0.0000500
Benzo(b)fluoranthene	<0.0000168		0.0000168	0.0000500
Benzo(g,h,i)perylene	<0.0000184		0.0000184	0.0000500
Benzo(k)fluoranthene	<0.0000202		0.0000202	0.0000500
Chrysene	<0.0000179		0.0000179	0.0000500
Dibenz(a,h)anthracene	<0.0000160		0.0000160	0.0000500
Dibenzofuran	<0.0000191		0.0000191	0.0000500
Fluoranthene	<0.0000270		0.0000270	0.000100
Fluorene	<0.0000169		0.0000169	0.0000500
Indeno(1,2,3-cd)pyrene	<0.0000158		0.0000158	0.0000500
Naphthalene	<0.0000917		0.0000917	0.000250
Phenanthrene	<0.0000180		0.0000180	0.0000500
Pyrene	<0.0000169		0.0000169	0.0000500
1-Methylnaphthalene	<0.0000687		0.0000687	0.000250
2-Methylnaphthalene	<0.0000674		0.0000674	0.000250
2-Chloronaphthalene	<0.0000682		0.0000682	0.000250
(S) Nitrobenzene-d5	*95.0*			*31.0-160*
(S) 2-Fluorobiphenyl	*97.0*			*48.0-148*
(S) p-Terphenyl-d14	*114*			*37.0-146*

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

(LCS) R3809917-1 06/30/22 21:53 • (LCSD) R3809917-2 06/30/22 22:10

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Anthracene	0.00200	0.00190	0.00182	95.0	91.0	67.0-150			4.30	20
Acenaphthene	0.00200	0.00190	0.00180	95.0	90.0	65.0-138			5.41	20
Acenaphthylene	0.00200	0.00202	0.00193	101	96.5	66.0-140			4.56	20
Benzo(a)anthracene	0.00200	0.00190	0.00182	95.0	91.0	61.0-140			4.30	20
Benzo(a)pyrene	0.00200	0.00171	0.00167	85.5	83.5	60.0-143			2.37	20
Benzo(b)fluoranthene	0.00200	0.00175	0.00171	87.5	85.5	58.0-141			2.31	20
Benzo(g,h,i)perylene	0.00200	0.00162	0.00156	81.0	78.0	52.0-153			3.77	20
Benzo(k)fluoranthene	0.00200	0.00168	0.00164	84.0	82.0	58.0-148			2.41	20
Chrysene	0.00200	0.00187	0.00181	93.5	90.5	64.0-144			3.26	20
Dibenz(a,h)anthracene	0.00200	0.00167	0.00161	83.5	80.5	52.0-155			3.66	20

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

(LCS) R3809917-1 06/30/22 21:53 • (LCSD) R3809917-2 06/30/22 22:10

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dibenzofuran	0.00200	0.00193	0.00183	96.5	91.5	67.0-134			5.32	20
Fluoranthene	0.00200	0.00191	0.00181	95.5	90.5	69.0-153			5.38	20
Fluorene	0.00200	0.00199	0.00191	99.5	95.5	64.0-136			4.10	20
Indeno(1,2,3-cd)pyrene	0.00200	0.00170	0.00165	85.0	82.5	54.0-153			2.99	20
Naphthalene	0.00200	0.00190	0.00181	95.0	90.5	61.0-137			4.85	20
Phenanthrene	0.00200	0.00191	0.00181	95.5	90.5	62.0-137			5.38	20
Pyrene	0.00200	0.00182	0.00175	91.0	87.5	60.0-142			3.92	20
1-Methylnaphthalene	0.00200	0.00195	0.00185	97.5	92.5	66.0-142			5.26	20
2-Methylnaphthalene	0.00200	0.00192	0.00181	96.0	90.5	62.0-136			5.90	20
2-Chloronaphthalene	0.00200	0.00191	0.00183	95.5	91.5	64.0-140			4.28	20
(S) Nitrobenzene-d5				*93.0*	*91.5*	*31.0-160*				
(S) 2-Fluorobiphenyl				*97.0*	*92.5*	*48.0-148*				
(S) p-Terphenyl-d14				*109*	*105*	*37.0-146*				

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

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

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

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

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

Company Name/Address:
Plains All American Pipeline
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

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

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

Pace PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

Report to: Project Manager

Email To: CJBryant@paalp.com;algroves@paalp.com;Mao

Project Description: Vac to Jal #5

City/State Collected:

Please Circle: PT MT CT ET

Phone: 979-997-2338

Client Project #

Lab Project # PLAINSENT-PAA12015

SDG # L1509144

D114

Collected by (print): Greg Flores

Site/Facility ID #

P.O. #

Collected by (signature): Greg Flores

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Acctnum: PLAINSENT
Template: T211672
Prelogin: P933423
PM: 3587 - Lori A Vahrenkamp
PB:
Shipped Via: Client

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	SV8270PAHSIM 1L-Amb-NoPres	V8260BTEX 40mlAmb-HCl	Remarks	Sample # (lab only)
MW 1		GW		6-23-22	1150	2	1	1		01
MW 2		GW			1240					02
MW 3		GW			1330					03
MW 4		GW			1445					04
MW 5		GW			1415					05
MW 6		GW			1355					06
MW 7		GW			1055					07
RW 1		GW			1420					08
RW 2		GW			1515					09
RW 3		GW			1345					10

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

Remarks:

pH ______ Temp ______
Flow ______ Other ______

Samples returned via: __ UPS __ FedEx __ Courier ________

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP _Y _N
COC Signed/Accurate: ✓Y _N
Bottles arrive intact: ✓Y _N
Correct bottles used: ✓Y _N
Sufficient volume sent: ✓Y _N
If Applicable
VOA Zero Headspace: ✓Y _N
Preservation Correct/Checked: ✓Y _N
RAD Screen <0.5 mR/hr: ✓Y _N

Relinquished by : (Signature) Greg Flores	Date: 6/24/22	Time: 1600	Received by: (Signature) [signature]	Trip Blank Received: Yes / No (circled No) HCL / MeoH TBR
Relinquished by : (Signature) [signature]	Date: 6/24/22	Time: 1700	Received by: (Signature) SWA	Temp: MMA8C 21.4 to = 21.4 Bottles Received: 34
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 6/25/22 Time: 0800

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Company Name/Address:
Plains All American Pipeline

21 Waterway Ave., Suite 300
The Woodlands, TX 77380

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

Pres Chk

Report to: **Project Manager**

Email To: CJBryant@paalp.com;algroves@paalp.com;Mao

Project Description: **Vac to Jal #5**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **979-997-2338**

Client Project #

Lab Project # **PLAINSENT-PAA12015**

Collected by (print): Greg Flores

Site/Facility ID #

P.O. #

Collected by (signature): Greg Flo

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	SV8270PAHSIM 1L-Amb-NoPres	V8260BTEX 40mlAmb-HCl							Remarks	Sample # (lab only)
RW 4		GW		6-23-22	1455	2	1	1								11
RW 5		GW		"	1435	1	1	1								12
RW 6		GW		"	1405	1	1	1								13
RW 7		GW		"	1425	1	1	1								14
RW 8		GW		"	1510	4	2	2								15

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1509144

Table #

Acctnum: **PLAINSENT**
Template: **T211672**
Prelogin: **P933423**
PM: **3587 - Lori A Vahrenkamp**
PB:

Shipped Via: **Client**

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

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes (No) HCL / MeoH TBR	If preservation required by Login: Date/Time
Greg Flores	6/24/22	1600			
	6/24/22	1700	SWA	Temp 21.4 °C Bottles Received: 34	
				21.4 +0 = 21.4	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
				6/25/22 0800	

ANALYTICAL REPORT

October 11, 2022

Plains All American Pipeline

Sample Delivery Group:	L1541769
Samples Received:	10/01/2022
Project Number:	PAA12015
Description:	Vac to Jal #5

Report To: Bill Goldsby
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Entire Report Reviewed By:

Chad A Upchurch
Project Manager

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

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RW3 L1541769-09 14

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MW1 L1541769-01 GW

			Collected by	Collected date/time	Received date/time	
				09/28/22 12:10	10/01/22 09:15	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1938424	1	10/06/22 18:58	10/06/22 18:58	JCP	Mt. Juliet, TN

MW2 L1541769-02 GW

			Collected by	Collected date/time	Received date/time	
				09/28/22 12:00	10/01/22 09:15	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1938424	1	10/06/22 19:19	10/06/22 19:19	JCP	Mt. Juliet, TN

MW3 L1541769-03 GW

			Collected by	Collected date/time	Received date/time	
				09/28/22 11:20	10/01/22 09:15	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1938754	1	10/07/22 16:05	10/07/22 16:05	JCP	Mt. Juliet, TN

MW4 L1541769-04 GW

			Collected by	Collected date/time	Received date/time	
				09/28/22 11:30	10/01/22 09:15	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1938754	1	10/07/22 16:26	10/07/22 16:26	JCP	Mt. Juliet, TN

MW5 L1541769-05 GW

			Collected by	Collected date/time	Received date/time	
				09/28/22 10:40	10/01/22 09:15	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1938754	1	10/07/22 16:46	10/07/22 16:46	JCP	Mt. Juliet, TN

MW6 L1541769-06 GW

			Collected by	Collected date/time	Received date/time	
				09/28/22 11:50	10/01/22 09:15	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1938754	1	10/07/22 17:07	10/07/22 17:07	JCP	Mt. Juliet, TN

MW7 L1541769-07 GW

			Collected by	Collected date/time	Received date/time	
				09/28/22 12:20	10/01/22 09:15	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1938754	1	10/07/22 17:28	10/07/22 17:28	JCP	Mt. Juliet, TN

RW1 L1541769-08 GW

			Collected by	Collected date/time	Received date/time	
				09/28/22 12:30	10/01/22 09:15	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1938754	1	10/07/22 17:48	10/07/22 17:48	JCP	Mt. Juliet, TN

RW3 L1541769-09 GW

			Collected by	Collected date/time	Received date/time	
				09/28/22 12:40	10/01/22 09:15	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1938754	1	10/07/22 18:09	10/07/22 18:09	JCP	Mt. Juliet, TN

RW4 L1541769-10 GW

			Collected by	Collected date/time	Received date/time	
				09/28/22 11:40	10/01/22 09:15	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1938754	1	10/07/22 18:30	10/07/22 18:30	JCP	Mt. Juliet, TN

RW5 L1541769-11 GW

			Collected by	Collected date/time	Received date/time	
				09/28/22 11:10	10/01/22 09:15	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1938754	1	10/07/22 18:50	10/07/22 18:50	JCP	Mt. Juliet, TN

RW6 L1541769-12 GW

			Collected by	Collected date/time	Received date/time	
				09/28/22 10:50	10/01/22 09:15	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1938754	1	10/07/22 19:11	10/07/22 19:11	JCP	Mt. Juliet, TN

RW7 L1541769-13 GW

			Collected by	Collected date/time	Received date/time	
				09/28/22 11:00	10/01/22 09:15	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1939250	1	10/08/22 14:20	10/08/22 14:20	ACG	Mt. Juliet, TN

DUP-01 L1541769-14 GW

			Collected by	Collected date/time	Received date/time	
				09/28/22 00:00	10/01/22 09:15	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1939250	1	10/08/22 14:39	10/08/22 14:39	ACG	Mt. Juliet, TN

CASE NARRATIVE

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

Chad A Upchurch
Project Manager

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	<0.0000941		0.0000941	0.00100	1	10/06/2022 18:58	WG1938424
Toluene	<0.000278		0.000278	0.00100	1	10/06/2022 18:58	WG1938424
Ethylbenzene	<0.000137		0.000137	0.00100	1	10/06/2022 18:58	WG1938424
Total Xylenes	<0.000174		0.000174	0.00300	1	10/06/2022 18:58	WG1938424
(S) Toluene-d8	*120*			*80.0-120*		*10/06/2022 18:58*	WG1938424
(S) 4-Bromofluorobenzene	*90.2*			*77.0-126*		*10/06/2022 18:58*	WG1938424
(S) 1,2-Dichloroethane-d4	*91.7*			*70.0-130*		*10/06/2022 18:58*	WG1938424

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	<0.0000941		0.0000941	0.00100	1	10/06/2022 19:19	WG1938424
Toluene	<0.000278		0.000278	0.00100	1	10/06/2022 19:19	WG1938424
Ethylbenzene	<0.000137		0.000137	0.00100	1	10/06/2022 19:19	WG1938424
Total Xylenes	<0.000174		0.000174	0.00300	1	10/06/2022 19:19	WG1938424
(S) Toluene-d8	*113*			*80.0-120*		*10/06/2022 19:19*	WG1938424
(S) 4-Bromofluorobenzene	*87.8*			*77.0-126*		*10/06/2022 19:19*	WG1938424
(S) 1,2-Dichloroethane-d4	*89.3*			*70.0-130*		*10/06/2022 19:19*	WG1938424

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	<0.0000941		0.0000941	0.00100	1	10/07/2022 16:05	WG1938754
Toluene	<0.000278		0.000278	0.00100	1	10/07/2022 16:05	WG1938754
Ethylbenzene	<0.000137		0.000137	0.00100	1	10/07/2022 16:05	WG1938754
Total Xylenes	<0.000174		0.000174	0.00300	1	10/07/2022 16:05	WG1938754
(S) Toluene-d8	*120*			*80.0-120*		*10/07/2022 16:05*	WG1938754
(S) 4-Bromofluorobenzene	*91.6*			*77.0-126*		*10/07/2022 16:05*	WG1938754
(S) 1,2-Dichloroethane-d4	*90.0*			*70.0-130*		*10/07/2022 16:05*	WG1938754

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	<0.0000941		0.0000941	0.00100	1	10/07/2022 16:26	WG1938754
Toluene	<0.000278		0.000278	0.00100	1	10/07/2022 16:26	WG1938754
Ethylbenzene	<0.000137		0.000137	0.00100	1	10/07/2022 16:26	WG1938754
Total Xylenes	<0.000174		0.000174	0.00300	1	10/07/2022 16:26	WG1938754
(S) Toluene-d8	*120*			*80.0-120*		*10/07/2022 16:26*	WG1938754
(S) 4-Bromofluorobenzene	*90.2*			*77.0-126*		*10/07/2022 16:26*	WG1938754
(S) 1,2-Dichloroethane-d4	*93.6*			*70.0-130*		*10/07/2022 16:26*	WG1938754

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	<0.0000941		0.0000941	0.00100	1	10/07/2022 16:46	WG1938754
Toluene	<0.000278		0.000278	0.00100	1	10/07/2022 16:46	WG1938754
Ethylbenzene	<0.000137		0.000137	0.00100	1	10/07/2022 16:46	WG1938754
Total Xylenes	<0.000174		0.000174	0.00300	1	10/07/2022 16:46	WG1938754
(S) Toluene-d8	*116*			*80.0-120*		*10/07/2022 16:46*	WG1938754
(S) 4-Bromofluorobenzene	*91.5*			*77.0-126*		*10/07/2022 16:46*	WG1938754
(S) 1,2-Dichloroethane-d4	*93.2*			*70.0-130*		*10/07/2022 16:46*	WG1938754

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	<0.0000941		0.0000941	0.00100	1	10/07/2022 17:07	WG1938754
Toluene	<0.000278		0.000278	0.00100	1	10/07/2022 17:07	WG1938754
Ethylbenzene	<0.000137		0.000137	0.00100	1	10/07/2022 17:07	WG1938754
Total Xylenes	<0.000174		0.000174	0.00300	1	10/07/2022 17:07	WG1938754
(S) Toluene-d8	*116*			*80.0-120*		*10/07/2022 17:07*	WG1938754
(S) 4-Bromofluorobenzene	*89.7*			*77.0-126*		*10/07/2022 17:07*	WG1938754
(S) 1,2-Dichloroethane-d4	*93.8*			*70.0-130*		*10/07/2022 17:07*	WG1938754

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	<0.0000941		0.0000941	0.00100	1	10/07/2022 17:28	WG1938754
Toluene	<0.000278		0.000278	0.00100	1	10/07/2022 17:28	WG1938754
Ethylbenzene	<0.000137		0.000137	0.00100	1	10/07/2022 17:28	WG1938754
Total Xylenes	<0.000174		0.000174	0.00300	1	10/07/2022 17:28	WG1938754
(S) Toluene-d8	*118*			*80.0-120*		*10/07/2022 17:28*	WG1938754
(S) 4-Bromofluorobenzene	*88.6*			*77.0-126*		*10/07/2022 17:28*	WG1938754
(S) 1,2-Dichloroethane-d4	*93.9*			*70.0-130*		*10/07/2022 17:28*	WG1938754

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00103		0.0000941	0.00100	1	10/07/2022 17:48	WG1938754
Toluene	<0.000278		0.000278	0.00100	1	10/07/2022 17:48	WG1938754
Ethylbenzene	0.00378		0.000137	0.00100	1	10/07/2022 17:48	WG1938754
Total Xylenes	0.00494		0.000174	0.00300	1	10/07/2022 17:48	WG1938754
(S) Toluene-d8	*117*			*80.0-120*		*10/07/2022 17:48*	WG1938754
(S) 4-Bromofluorobenzene	*93.9*			*77.0-126*		*10/07/2022 17:48*	WG1938754
(S) 1,2-Dichloroethane-d4	*89.4*			*70.0-130*		*10/07/2022 17:48*	WG1938754

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00126		0.0000941	0.00100	1	10/07/2022 18:09	WG1938754
Toluene	<0.000278		0.000278	0.00100	1	10/07/2022 18:09	WG1938754
Ethylbenzene	0.00213		0.000137	0.00100	1	10/07/2022 18:09	WG1938754
Total Xylenes	0.00174	J	0.000174	0.00300	1	10/07/2022 18:09	WG1938754
(S) Toluene-d8	*114*			*80.0-120*		*10/07/2022 18:09*	WG1938754
(S) 4-Bromofluorobenzene	*90.6*			*77.0-126*		*10/07/2022 18:09*	WG1938754
(S) 1,2-Dichloroethane-d4	*90.7*			*70.0-130*		*10/07/2022 18:09*	WG1938754

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	<0.0000941		0.0000941	0.00100	1	10/07/2022 18:30	WG1938754
Toluene	<0.000278		0.000278	0.00100	1	10/07/2022 18:30	WG1938754
Ethylbenzene	<0.000137		0.000137	0.00100	1	10/07/2022 18:30	WG1938754
Total Xylenes	<0.000174		0.000174	0.00300	1	10/07/2022 18:30	WG1938754
(S) Toluene-d8	*117*			*80.0-120*		*10/07/2022 18:30*	WG1938754
(S) 4-Bromofluorobenzene	*90.2*			*77.0-126*		*10/07/2022 18:30*	WG1938754
(S) 1,2-Dichloroethane-d4	*94.6*			*70.0-130*		*10/07/2022 18:30*	WG1938754

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	<0.0000941		0.0000941	0.00100	1	10/07/2022 18:50	WG1938754
Toluene	<0.000278		0.000278	0.00100	1	10/07/2022 18:50	WG1938754
Ethylbenzene	<0.000137		0.000137	0.00100	1	10/07/2022 18:50	WG1938754
Total Xylenes	<0.000174		0.000174	0.00300	1	10/07/2022 18:50	WG1938754
(S) Toluene-d8	*114*			*80.0-120*		*10/07/2022 18:50*	WG1938754
(S) 4-Bromofluorobenzene	*90.3*			*77.0-126*		*10/07/2022 18:50*	WG1938754
(S) 1,2-Dichloroethane-d4	*92.1*			*70.0-130*		*10/07/2022 18:50*	WG1938754

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	<0.0000941		0.0000941	0.00100	1	10/07/2022 19:11	WG1938754
Toluene	<0.000278		0.000278	0.00100	1	10/07/2022 19:11	WG1938754
Ethylbenzene	<0.000137		0.000137	0.00100	1	10/07/2022 19:11	WG1938754
Total Xylenes	<0.000174		0.000174	0.00300	1	10/07/2022 19:11	WG1938754
(S) Toluene-d8	*117*			*80.0-120*		*10/07/2022 19:11*	WG1938754
(S) 4-Bromofluorobenzene	*89.4*			*77.0-126*		*10/07/2022 19:11*	WG1938754
(S) 1,2-Dichloroethane-d4	*93.1*			*70.0-130*		*10/07/2022 19:11*	WG1938754

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00175		0.0000941	0.00100	1	10/08/2022 14:20	WG1939250
Toluene	<0.000278		0.000278	0.00100	1	10/08/2022 14:20	WG1939250
Ethylbenzene	0.00140		0.000137	0.00100	1	10/08/2022 14:20	WG1939250
Total Xylenes	<0.000174		0.000174	0.00300	1	10/08/2022 14:20	WG1939250
(S) Toluene-d8	*102*			*80.0-120*		*10/08/2022 14:20*	WG1939250
(S) 4-Bromofluorobenzene	*94.6*			*77.0-126*		*10/08/2022 14:20*	WG1939250
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*10/08/2022 14:20*	WG1939250

DUP-01
Collected date/time: 09/28/22 00:00
L1541769

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	<0.0000941		0.0000941	0.00100	1	10/08/2022 14:39	WG1939250
Toluene	<0.000278		0.000278	0.00100	1	10/08/2022 14:39	WG1939250
Ethylbenzene	<0.000137		0.000137	0.00100	1	10/08/2022 14:39	WG1939250
Total Xylenes	<0.000174		0.000174	0.00300	1	10/08/2022 14:39	WG1939250
(S) Toluene-d8	*101*			*80.0-120*		*10/08/2022 14:39*	WG1939250
(S) 4-Bromofluorobenzene	*88.3*			*77.0-126*		*10/08/2022 14:39*	WG1939250
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*10/08/2022 14:39*	WG1939250

Method Blank (MB)

(MB) R3847234-2 10/06/22 10:15

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	<0.0000941		0.0000941	0.00100
Toluene	<0.000278		0.000278	0.00100
Ethylbenzene	<0.000137		0.000137	0.00100
Xylenes, Total	<0.000174		0.000174	0.00300
(S) Toluene-d8	*112*			*80.0-120*
(S) 4-Bromofluorobenzene	*91.4*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*90.8*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3847234-1 10/06/22 09:13

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00383	76.6	70.0-123	
Toluene	0.00500	0.00423	84.6	79.0-120	
Ethylbenzene	0.00500	0.00478	95.6	79.0-123	
Xylenes, Total	0.0150	0.0132	88.0	79.0-123	
(S) Toluene-d8			*114*	*80.0-120*	
(S) 4-Bromofluorobenzene			*91.3*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*88.9*	*70.0-130*	

Method Blank (MB)

(MB) R3847170-2 10/07/22 11:25

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	<0.0000941		0.0000941	0.00100
Toluene	<0.000278		0.000278	0.00100
Ethylbenzene	<0.000137		0.000137	0.00100
Xylenes, Total	<0.000174		0.000174	0.00300
(S) Toluene-d8	*120*			*80.0-120*
(S) 4-Bromofluorobenzene	*95.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*92.8*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3847170-1 10/07/22 10:43

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00453	90.6	70.0-123	
Toluene	0.00500	0.00509	102	79.0-120	
Ethylbenzene	0.00500	0.00543	109	79.0-123	
Xylenes, Total	0.0150	0.0162	108	79.0-123	
(S) Toluene-d8			*116*	*80.0-120*	
(S) 4-Bromofluorobenzene			*92.6*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*92.3*	*70.0-130*	

Method Blank (MB)

(MB) R3846918-3 10/08/22 10:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	<0.0000941		0.0000941	0.00100
Toluene	<0.000278		0.000278	0.00100
Ethylbenzene	<0.000137		0.000137	0.00100
Xylenes, Total	<0.000174		0.000174	0.00300
(S) Toluene-d8	*103*			*80.0-120*
(S) 4-Bromofluorobenzene	*85.9*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*

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

(LCS) R3846918-1 10/08/22 09:02 • (LCSD) R3846918-2 10/08/22 09:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00537	0.00528	107	106	70.0-123			1.69	20
Toluene	0.00500	0.00520	0.00511	104	102	79.0-120			1.75	20
Ethylbenzene	0.00500	0.00576	0.00556	115	111	79.0-123			3.53	20
Xylenes, Total	0.0150	0.0171	0.0167	114	111	79.0-123			2.37	20
(S) Toluene-d8				*97.8*	*96.8*	*80.0-120*				
(S) 4-Bromofluorobenzene				*91.6*	*91.8*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*117*	*122*	*70.0-130*				

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
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.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

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

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

Company Name/Address:
Plains All American Pipeline
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

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

Pres Chk

Report to: **Bill Goldsby**

Email To: CJBryant@paalp.com;khudgens@paalp.com;Ma

Project Description: **Vac to Jal #5**

City/State Collected: EUNICE NM

Please Circle: PT MT CT ET

Phone: **281-507-3578**

Client Project # **PAA12015**

Lab Project # **PLAINSENT-PAA12015**

Collected by (print): CHRIS SANCHEZ

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

Pace PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1541769
H147

Acctnum: **PLAINSENT**
Template: **T217032**
Prelogin: **P953911**
PM: **3564 - Chad A Upchurch**
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEX 40mlAmb-HCl	Remarks	Sample # (lab only)
MW1		GW		9-28-22	1210	2	2		-01
MW2		GW			1200				-02
MW3		GW			1120				-03
MW4		GW			1130				-04
MW5		GW			1040				-05
MW6		GW			1150				-06
MW7		GW			1220				-07
RW1		GW			1230				-08
RW3		GW			1240				-09
RW4		GW		9-29-22	1140	2	2		-10

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: ___ UPS ___ FedEx ___ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: ___ NP ___ Y ___ N
COC Signed/Accurate: ___ Y ___ N
Bottles arrive intact: ___ Y ___ N
Correct bottles used: ___ Y ___ N
Sufficient volume sent: ___ Y ___ N
If Applicable
VOA Zero Headspace: ___ Y ___ N
Preservation Correct/Checked: ___ Y ___ N
RAD Screen <0.5 mR/hr: ___ Y ___ N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	9-30-22	1020			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 6.8 °C Bottles Received:	
	9/30/22	1200	FedEx	1.8+0=1.8 28	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
			Zac Purvis	10-1-22 09:15	

Company Name/Address:
Plains All American Pipeline

21 Waterway Ave., Suite 300
The Woodlands, TX 77380

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

Pres Chk

Report to: **Bill Goldsby**

Email To: **CJBryant@paalp.com;khudgens@paalp.com;Ma**

Project Description: **Vac to Jal #5**

City/State Collected: **EUNICE NM**

Please Circle: PT MT CT ET

Phone: **281-507-3578**

Client Project # **PAA12015**

Lab Project # **PLAINSENT-PAA12015**

Collected by (print): **CHRIS SANCHEZ**

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEX 40mlAmb-HCl									Remarks	Sample # (lab only)
RW5		GW		9-28-22	1110	2	2										-11
RW6		GW		↑	1050	2	2										-12
RW7		GW		↓	1100	2	2										-13
DUP-01		GW		9-28-22	—	2	2										-14
		GW		9													
		GW															

Chain of Custody Page 2 of 2

Pace PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG #

Table #

Acctnum: **PLAINSENT**

Template: **T217032**

Prelogin: **P953911**

PM: **3564 - Chad A Upchurch**

PB:

Shipped Via:

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	9-30-22	1030		0	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 6.8 °C	Bottles Received: 28
	9/30/22	1700	FedEx	1.8+0=1.8	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date:	Time:
			Zac Parr	10-1-22	09:15

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

ANALYTICAL REPORT

January 19, 2023

Revised Report

Plains All American Pipeline

Sample Delivery Group:	L1566269
Samples Received:	12/10/2022
Project Number:	PAA 12015
Description:	Vac to Jal#5
Site:	SRS - 2003-00134
Report To:	Bill Goldsby 21 Waterway Ave., Suite 300 The Woodlands, TX 77380

Entire Report Reviewed By:

Chad A Upchurch
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 Services, LLC -Dallas
400 W. Bethany Drive Suite 190 Allen, TX 75013 972-727-1123 800-767-5859 www.pacenational.com

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SAMPLE SUMMARY

MW1 L1566269-01 GW

Collected by: GF/CS | Collected date/time: 12/09/22 13:05 | Received date/time: 12/10/22 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260	WG1975552	1	12/16/22 15:02	12/16/22 15:02	ZST	Allen, TX

MW2 L1566269-02 GW

Collected by: GF/CS | Collected date/time: 12/09/22 12:55 | Received date/time: 12/10/22 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260	WG1974952	1	12/15/22 14:22	12/15/22 14:22	ZST	Allen, TX

MW3 L1566269-03 GW

Collected by: GF/CS | Collected date/time: 12/09/22 12:15 | Received date/time: 12/10/22 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260	WG1974952	1	12/15/22 14:39	12/15/22 14:39	ZST	Allen, TX

MW4 L1566269-04 GW

Collected by: GF/CS | Collected date/time: 12/09/22 12:25 | Received date/time: 12/10/22 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260	WG1974952	1	12/15/22 14:57	12/15/22 14:57	ZST	Allen, TX

MW5 L1566269-05 GW

Collected by: GF/CS | Collected date/time: 12/09/22 11:35 | Received date/time: 12/10/22 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260	WG1974952	1	12/15/22 15:14	12/15/22 15:14	ZST	Allen, TX

MW6 L1566269-06 GW

Collected by: GF/CS | Collected date/time: 12/09/22 12:45 | Received date/time: 12/10/22 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260	WG1974952	1	12/15/22 15:32	12/15/22 15:32	ZST	Allen, TX

MW7 L1566269-07 GW

Collected by: GF/CS | Collected date/time: 12/09/22 13:15 | Received date/time: 12/10/22 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260	WG1974952	1	12/15/22 15:50	12/15/22 15:50	ZST	Allen, TX

RW4 L1566269-08 GW

Collected by: GF/CS | Collected date/time: 12/09/22 12:35 | Received date/time: 12/10/22 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260	WG1975552	1	12/16/22 18:33	12/16/22 18:33	ZST	Allen, TX

SAMPLE SUMMARY

RW5 L1566269-09 GW

Collected by: GF/CS | Collected date/time: 12/09/22 12:05 | Received date/time: 12/10/22 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260	WG1975552	1	12/16/22 18:51	12/16/22 18:51	ZST	Allen, TX

RW6 L1566269-10 GW

Collected by: GF/CS | Collected date/time: 12/09/22 11:45 | Received date/time: 12/10/22 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260	WG1975552	1	12/16/22 19:09	12/16/22 19:09	ZST	Allen, TX

RW7 L1566269-11 GW

Collected by: GF/CS | Collected date/time: 12/09/22 11:55 | Received date/time: 12/10/22 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260	WG1975552	1	12/16/22 19:26	12/16/22 19:26	ZST	Allen, TX

DUP-01 L1566269-12 GW

Collected by: GF/CS | Collected date/time: 12/09/22 00:00 | Received date/time: 12/10/22 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260	WG1975552	1	12/16/22 19:44	12/16/22 19:44	ZST	Allen, TX

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.

Chad A Upchurch
Project Manager

Report Revision History

Level II Report - Version 1: 12/20/22 13:41

Project Narrative

Revised Report: Update to appropriate account

Volatile Organic Compounds (GC/MS) by Method 8260

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	<0.000493		0.000493	0.00200	1	12/16/2022 15:02	WG1975552
Ethylbenzene	<0.000462		0.000462	0.00200	1	12/16/2022 15:02	WG1975552
Toluene	<0.000998		0.000998	0.00500	1	12/16/2022 15:02	WG1975552
Xylenes, Total	<0.00132		0.00132	0.00600	1	12/16/2022 15:02	WG1975552
(S) 1,2-Dichloroethane-d4	*93.6*			*70.0-130*		*12/16/2022 15:02*	WG1975552
(S) 4-Bromofluorobenzene	*102*			*70.0-130*		*12/16/2022 15:02*	WG1975552
(S) Toluene-d8	*104*			*70.0-130*		*12/16/2022 15:02*	WG1975552

Volatile Organic Compounds (GC/MS) by Method 8260

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	<0.000493		0.000493	0.00200	1	12/15/2022 14:22	WG1974952
Ethylbenzene	<0.000462		0.000462	0.00200	1	12/15/2022 14:22	WG1974952
Toluene	<0.000998		0.000998	0.00500	1	12/15/2022 14:22	WG1974952
Xylenes, Total	<0.00132		0.00132	0.00600	1	12/15/2022 14:22	WG1974952
(S) 1,2-Dichloroethane-d4	*91.3*			*70.0-130*		*12/15/2022 14:22*	WG1974952
(S) 4-Bromofluorobenzene	*0.328*	J2		*70.0-130*		*12/15/2022 14:22*	WG1974952
(S) Toluene-d8	*99.2*			*70.0-130*		*12/15/2022 14:22*	WG1974952

MW3
Collected date/time: 12/09/22 12:15

SAMPLE RESULTS - 03

L1566269

Volatile Organic Compounds (GC/MS) by Method 8260

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	<0.000493		0.000493	0.00200	1	12/15/2022 14:39	WG1974952
Ethylbenzene	<0.000462		0.000462	0.00200	1	12/15/2022 14:39	WG1974952
Toluene	<0.000998		0.000998	0.00500	1	12/15/2022 14:39	WG1974952
Xylenes, Total	<0.00132		0.00132	0.00600	1	12/15/2022 14:39	WG1974952
(S) 1,2-Dichloroethane-d4	*89.0*			*70.0-130*		*12/15/2022 14:39*	WG1974952
(S) 4-Bromofluorobenzene	*108*			*70.0-130*		*12/15/2022 14:39*	WG1974952
(S) Toluene-d8	*101*			*70.0-130*		*12/15/2022 14:39*	WG1974952

Volatile Organic Compounds (GC/MS) by Method 8260

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	<0.000493		0.000493	0.00200	1	12/15/2022 14:57	WG1974952
Ethylbenzene	<0.000462		0.000462	0.00200	1	12/15/2022 14:57	WG1974952
Toluene	<0.000998		0.000998	0.00500	1	12/15/2022 14:57	WG1974952
Xylenes, Total	<0.00132		0.00132	0.00600	1	12/15/2022 14:57	WG1974952
(S) 1,2-Dichloroethane-d4	*88.9*			*70.0-130*		*12/15/2022 14:57*	WG1974952
(S) 4-Bromofluorobenzene	*109*			*70.0-130*		*12/15/2022 14:57*	WG1974952
(S) Toluene-d8	*102*			*70.0-130*		*12/15/2022 14:57*	WG1974952

Volatile Organic Compounds (GC/MS) by Method 8260

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	<0.000493		0.000493	0.00200	1	12/15/2022 15:14	WG1974952
Ethylbenzene	<0.000462		0.000462	0.00200	1	12/15/2022 15:14	WG1974952
Toluene	<0.000998		0.000998	0.00500	1	12/15/2022 15:14	WG1974952
Xylenes, Total	<0.00132		0.00132	0.00600	1	12/15/2022 15:14	WG1974952
(S) 1,2-Dichloroethane-d4	*90.0*			*70.0-130*		*12/15/2022 15:14*	WG1974952
(S) 4-Bromofluorobenzene	*106*			*70.0-130*		*12/15/2022 15:14*	WG1974952
(S) Toluene-d8	*99.4*			*70.0-130*		*12/15/2022 15:14*	WG1974952

Volatile Organic Compounds (GC/MS) by Method 8260

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	<0.000493		0.000493	0.00200	1	12/15/2022 15:32	WG1974952
Ethylbenzene	<0.000462		0.000462	0.00200	1	12/15/2022 15:32	WG1974952
Toluene	<0.000998		0.000998	0.00500	1	12/15/2022 15:32	WG1974952
Xylenes, Total	<0.00132		0.00132	0.00600	1	12/15/2022 15:32	WG1974952
(S) 1,2-Dichloroethane-d4	*88.9*			*70.0-130*		*12/15/2022 15:32*	WG1974952
(S) 4-Bromofluorobenzene	*105*			*70.0-130*		*12/15/2022 15:32*	WG1974952
(S) Toluene-d8	*98.5*			*70.0-130*		*12/15/2022 15:32*	WG1974952

MW-7
Collected date/time: 12/09/22 13:15
L1566269

Volatile Organic Compounds (GC/MS) by Method 8260

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	<0.000493		0.000493	0.00200	1	12/15/2022 15:50	WG1974952
Ethylbenzene	<0.000462		0.000462	0.00200	1	12/15/2022 15:50	WG1974952
Toluene	<0.000998		0.000998	0.00500	1	12/15/2022 15:50	WG1974952
Xylenes, Total	<0.00132		0.00132	0.00600	1	12/15/2022 15:50	WG1974952
(S) 1,2-Dichloroethane-d4	*89.0*			*70.0-130*		*12/15/2022 15:50*	WG1974952
(S) 4-Bromofluorobenzene	*104*			*70.0-130*		*12/15/2022 15:50*	WG1974952
(S) Toluene-d8	*99.0*			*70.0-130*		*12/15/2022 15:50*	WG1974952

RW4
Collected date/time: 12/09/22 12:35
L1566269

Volatile Organic Compounds (GC/MS) by Method 8260

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	<0.000493		0.000493	0.00200	1	12/16/2022 18:33	WG1975552
Ethylbenzene	<0.000462		0.000462	0.00200	1	12/16/2022 18:33	WG1975552
Toluene	<0.000998		0.000998	0.00500	1	12/16/2022 18:33	WG1975552
Xylenes, Total	<0.00132		0.00132	0.00600	1	12/16/2022 18:33	WG1975552
(S) 1,2-Dichloroethane-d4	*95.7*			*70.0-130*		*12/16/2022 18:33*	WG1975552
(S) 4-Bromofluorobenzene	*104*			*70.0-130*		*12/16/2022 18:33*	WG1975552
(S) Toluene-d8	*101*			*70.0-130*		*12/16/2022 18:33*	WG1975552

Volatile Organic Compounds (GC/MS) by Method 8260

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	<0.000493		0.000493	0.00200	1	12/16/2022 18:51	WG1975552
Ethylbenzene	<0.000462		0.000462	0.00200	1	12/16/2022 18:51	WG1975552
Toluene	<0.000998		0.000998	0.00500	1	12/16/2022 18:51	WG1975552
Xylenes, Total	<0.00132		0.00132	0.00600	1	12/16/2022 18:51	WG1975552
(S) 1,2-Dichloroethane-d4	*96.9*			*70.0-130*		*12/16/2022 18:51*	WG1975552
(S) 4-Bromofluorobenzene	*103*			*70.0-130*		*12/16/2022 18:51*	WG1975552
(S) Toluene-d8	*102*			*70.0-130*		*12/16/2022 18:51*	WG1975552

Volatile Organic Compounds (GC/MS) by Method 8260

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	<0.000493		0.000493	0.00200	1	12/16/2022 19:09	WG1975552
Ethylbenzene	<0.000462		0.000462	0.00200	1	12/16/2022 19:09	WG1975552
Toluene	<0.000998		0.000998	0.00500	1	12/16/2022 19:09	WG1975552
Xylenes, Total	<0.00132		0.00132	0.00600	1	12/16/2022 19:09	WG1975552
(S) 1,2-Dichloroethane-d4	*98.4*			*70.0-130*		*12/16/2022 19:09*	WG1975552
(S) 4-Bromofluorobenzene	*102*			*70.0-130*		*12/16/2022 19:09*	WG1975552
(S) Toluene-d8	*101*			*70.0-130*		*12/16/2022 19:09*	WG1975552

Volatile Organic Compounds (GC/MS) by Method 8260

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00127	J	0.000493	0.00200	1	12/16/2022 19:26	WG1975552
Ethylbenzene	0.00103	J	0.000462	0.00200	1	12/16/2022 19:26	WG1975552
Toluene	<0.000998		0.000998	0.00500	1	12/16/2022 19:26	WG1975552
Xylenes, Total	<0.00132		0.00132	0.00600	1	12/16/2022 19:26	WG1975552
(S) 1,2-Dichloroethane-d4	*97.3*			*70.0-130*		*12/16/2022 19:26*	WG1975552
(S) 4-Bromofluorobenzene	*101*			*70.0-130*		*12/16/2022 19:26*	WG1975552
(S) Toluene-d8	*103*			*70.0-130*		*12/16/2022 19:26*	WG1975552

Volatile Organic Compounds (GC/MS) by Method 8260

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	<0.000493		0.000493	0.00200	1	12/16/2022 19:44	WG1975552
Ethylbenzene	<0.000462		0.000462	0.00200	1	12/16/2022 19:44	WG1975552
Toluene	<0.000998		0.000998	0.00500	1	12/16/2022 19:44	WG1975552
Xylenes, Total	<0.00132		0.00132	0.00600	1	12/16/2022 19:44	WG1975552
(S) 1,2-Dichloroethane-d4	*97.2*			*70.0-130*		*12/16/2022 19:44*	WG1975552
(S) 4-Bromofluorobenzene	*99.9*			*70.0-130*		*12/16/2022 19:44*	WG1975552
(S) Toluene-d8	*101*			*70.0-130*		*12/16/2022 19:44*	WG1975552

Method Blank (MB)

(MB) R3872424-2 12/15/22 08:34

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	<0.000493		0.000493	0.00200
Ethylbenzene	<0.000462		0.000462	0.00200
Toluene	<0.000998		0.000998	0.00500
Xylenes, Total	<0.00132		0.00132	0.00600
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*
(S) 4-Bromofluorobenzene	*102*			*70.0-130*
(S) Toluene-d8	*101*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3872424-1 12/15/22 07:38

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0200	0.0191	95.5	73.0-131	
Ethylbenzene	0.0200	0.0199	99.5	76.0-129	
Toluene	0.0200	0.0192	96.0	73.0-130	
Xylenes, Total	0.0600	0.0597	99.5	78.0-124	
(S) 1,2-Dichloroethane-d4			*104*	*70.0-130*	
(S) 4-Bromofluorobenzene			*103*	*70.0-130*	
(S) Toluene-d8			*99.5*	*70.0-130*	

L1565952-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1565952-16 12/15/22 09:27 • (MS) R3872424-3 12/15/22 10:50 • (MSD) R3872424-4 12/15/22 11:07

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	2.00	3.10	5.24	4.99	107	94.5	100	74.0-130			4.89	20
Ethylbenzene	2.00	0.425	2.63	2.46	110	102	100	77.0-127			6.68	20
Toluene	2.00	4.03	6.49	6.19	123	108	100	74.0-127			4.73	20
Xylenes, Total	6.00	<0.132	9.22	8.64	154	144	100	71.0-133	J5	J5	6.49	20
(S) 1,2-Dichloroethane-d4					*96.8*	*102*		*70.0-130*				
(S) 4-Bromofluorobenzene					*103*	*98.2*		*70.0-130*				
(S) Toluene-d8					*99.8*	*104*		*70.0-130*				

Method Blank (MB)

(MB) R3873451-2 12/16/22 14:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	<0.000493		0.000493	0.00200
Ethylbenzene	<0.000462		0.000462	0.00200
Toluene	<0.000998		0.000998	0.00500
Xylenes, Total	<0.00132		0.00132	0.00600
(S) 1,2-Dichloroethane-d4	*94.3*			*70.0-130*
(S) 4-Bromofluorobenzene	*101*			*70.0-130*
(S) Toluene-d8	*102*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3873451-1 12/16/22 13:36

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0200	0.0204	102	73.0-131	
Ethylbenzene	0.0201	0.0200	99.5	76.0-129	
Toluene	0.0200	0.0197	98.5	73.0-130	
Xylenes, Total	0.0596	0.0600	101	78.0-124	
(S) 1,2-Dichloroethane-d4			*91.0*	*70.0-130*	
(S) 4-Bromofluorobenzene			*100*	*70.0-130*	
(S) Toluene-d8			*102*	*70.0-130*	

L1566269-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1566269-01 12/16/22 15:02 • (MS) R3873451-3 12/16/22 15:20 • (MSD) R3873451-4 12/16/22 15:37

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.0200	<0.000493	0.0209	0.0211	105	105	1	74.0-130			0.952	20
Ethylbenzene	0.0201	<0.000462	0.0212	0.0208	105	103	1	77.0-127			1.90	20
Toluene	0.0200	<0.000998	0.0209	0.0208	105	104	1	74.0-127			0.480	20
Xylenes, Total	0.0596	<0.00132	0.0638	0.0627	107	105	1	71.0-133			1.74	20
(S) 1,2-Dichloroethane-d4					*90.4*	*92.5*		*70.0-130*				
(S) 4-Bromofluorobenzene					*98.7*	*98.0*		*70.0-130*				
(S) Toluene-d8					*103*	*102*		*70.0-130*				

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.

ACCREDITATIONS & LOCATIONS

Pace Analytical Services, LLC -Dallas 400 W. Bethany Drive Suite 190 Allen, TX 75013

Arkansas	88-0647	Kansas	E10388
Florida	E871118	Texas	T104704232-22-37
Iowa	408	Oklahoma	8727
Louisiana	30686		

[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.

Plains All American Pipeline
21 Waterway Ave, Suite 300
The Woodland TX 77380

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

Report to: Bill Goldsby

Email To: CSBrant@paapl.com
KHudgens@paapl.com

Project Description: VAC to Jal 5

City/State Collected: Eunice, NM

Phone: 281-507-3578
Fax:

Client Project # PAA 12015

Lab Project #

Collected by (print): G. Flores / C. Sanchez

Site/Facility ID #

P.O. #

Collected by (signature): Greg Flo

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Pres Chk

Analysis / Container / Preservative

8260 BTEX

Chain of Custody

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# LSL162269

Table #

Acctnum:

Template:

Prelogin:

TSR:

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Remarks	Sample # (lab only)
MW 1				12-9-22	1305	2	X	-01
MW 2					1255			-02
MW 3					1215			-03
MW 4					1225			-04
MW 5					1135			-05
MW 6					1245			-06
MW 7					1315			-07
RW 4					1235			-08
RW 5					1205			-09
RW 6					1145			-10

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking # 3919 4866 9619

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Greg Flo	12/8	4:50		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
FedEx	12/10/22	0920	Olivia Currie	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time: Hold: Condition: NCF / OK

Chain of Custody

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

PLAINS ALL AMERICAN PIPELINE
21 WATERWAY AVE, SUITE 300
THE WOODLAND TX 77380

Billing Information:
ACCOUNTS PAYABLE
333 CLAY ST., STE 1600
HOUSTON TX 77002

Pres Chk

Report to: BILL GOLDSBY

Email To: CSBRANT@PAAPL.COM KHUDGENS@PAAPL.COM

Project Description: Vac to JAL 5

City/State Collected: Eunice NM

Phone: 281-507-3578
Fax:

Client Project # PAA12015

Lab Project #

L# L1566269

Table #

Collected by (print): C. Sanchez / G. Flores

Site/Facility ID #

P.O. #

Collected by (signature): Greg Flores

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Immediately Packed on Ice N ___ Y ✓

Acctnum:
Template:
Prelogin:
TSR:
PB:
Shipped Via:

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8260 BTEX	Remarks	Sample # (lab only)
RW 7				12-9-22	1155	2	X		-11
DUP-01				12-9-22		2	X		-12

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

Remarks:

pH ______ Temp ______
Flow ______ Other ______

Samples returned via:
__ UPS __ FedEx __ Courier __ ______

Tracking # 3919 4866 9619

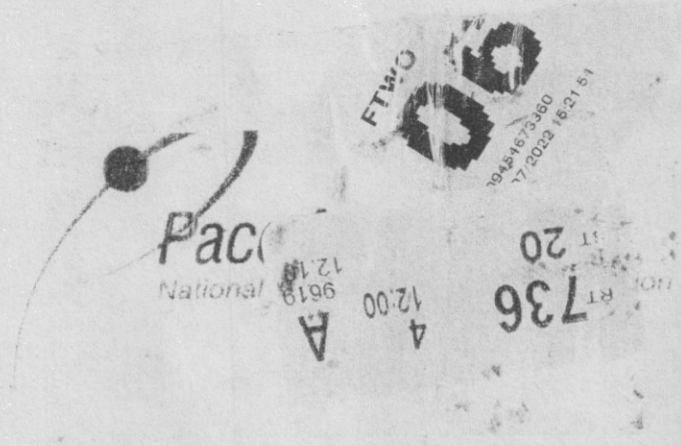
Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)		
Greg Flores	12/8	4:30	[signature]	Trip Blank Received: Yes / No HCL / MeoH TBR	
Relinquished by: (Signature) FedEx	Date: 12/10/22	Time: 0920	Received by: (Signature) Olivia Currie	Temp: °C	Bottles Received:
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date:	Time:

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK



ORIGIN ID:MAFA (432) 202-4238

PACE ANALYTICAL NATIONAL
12065 LEBANON RD

MOUNT JULIET, TN 37122
UNITED STATES-US

SHIP DATE: 09DEC22
ACTWGT: 39.55 LB
CAD: 6994482/SSFE2341
DIMS: 20x14x14 IN

BILL THIRD PARTY

TO PACE ANALYTICAL SERVICES,
PACE ANALYTICAL SERVICES, INC.
400 W BETHANY DR
STE 190
ALLEN TX 75013

(972) 727-1123

INV:
PO:

REF:

DEPT:

FedEx Express

1 of 2

TRK# 0201 3919 4866 9619

MASTER

XO DNEA

SATURDAY 12:00P
PRIORITY OVERNIGHT
AHS
75013
TX-US DFW

Pace Analytical	Document Name: Sample Condition Upon Receipt	Document Revised: 7/27/20 Page 1 of 1
	Document No.: F-DAL-C-001-rev.14	Issuing Authority: Pace Dallas Quality Office

Sample Condition Upon Receipt

☑Dallas ☐Ft Worth ☐Corpus Christi ☐Austin

Client Name: Plains All American Pipeline Project Work order (place label): L1566269

Courier: FedEX ☑ UPS ☐ USPS ☐ Client ☐ LSO ☐ PACE ☐ Other: _____

Tracking #: 3919 4866 9619

Custody Seal on Cooler/Box: Yes ☑ No ☐

Received on ice: Wet ☑ Blue ☐ No ice ☐

Receiving Lab 1 Thermometer Used: 1R18 **Cooler Temp °C:** 5.0 (Recorded) +0.5 (Correction Factor) 5.5 (Actual)

Receiving Lab 2 Thermometer Used: _____ **Cooler Temp °C:** _____ (Recorded) _____ (Correction Factor) _____ (Actual)

Temperature should be above freezing to 6°C unless collected same day as receipt in which evidence of cooling is acceptable

Triage Person: DG Date: 12/10/22

Chain of Custody relinquished	Yes ☑ No ☐
Sampler name & signature on COC	Yes ☑ No ☐
Short HT analyses (<72 hrs)	Yes ☐ No ☑

Login Person: DL Date: 12/10

Sufficient Volume received	Yes ☑ No ☐
Correct Container used	Yes ☑ No ☐
Container Intact	Yes ☑ No ☐
Sample pH Acceptable pH Strips:_____ Residual Chlorine Present Cl Strips:_____ Sulfide Present Lead Acetate Strips:_____	Yes ☐ No ☐ NA ☑ Yes ☐ No ☐ NA ☑ Yes ☐ No ☐ NA ☑
Are soil samples (volatiles, TPH) received in 5035A Kits (not applicable to TCLP VOA or PST Program TPH)	Yes ☐ No ☐ NA ☑
Unpreserved 5035A soil frozen within 48 hrs	Yes ☐ No ☐ NA ☑
Headspace in VOA (>6mm)	Yes ☐ No ☑ NA ☐
Project sampled in USDA Regulated Area outside of Texas State Sampled:_____	Yes ☐ No ☐ NA ☑
Non-Conformance(s):	Yes ☐ No ☑

Labeling Person (if different than log-in): _____ Date: _____

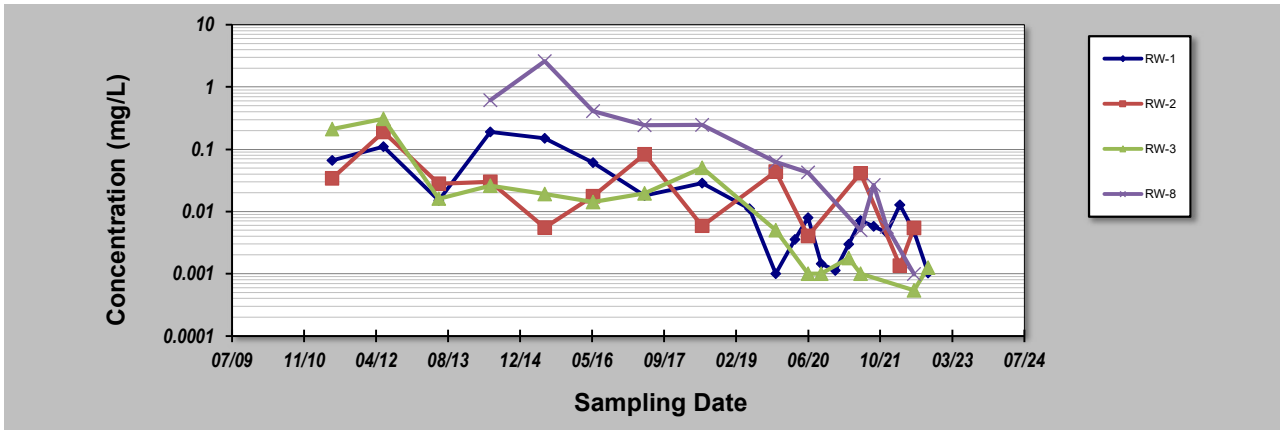
Appendix B

Mann-Kendall Trend Test

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	13-Mar-23	Job ID:	PAA12015
Facility Name:	Plains - Vac to Jal #5	Constituent:	Benzene
Conducted By:	WRG	Concentration Units:	mg/L

Sampling Point ID:	RW-1	RW-2	RW-3	RW-8			
Sampling Event	Sampling Date	BENZENE CONCENTRATION (mg/L)						
1	06/01/11	**0.0660**	**0.034**	**0.21**				
2	05/22/12	**0.1100**	**0.19**	**0.3100**				
3	06/11/13	**0.0150**	**0.028**	**0.0160**				
4	06/03/14	**0.1900**	**0.03**	**0.0260**	**0.61**			
5	06/16/15	**0.1500**	0.0055	**0.0190**	**2.6**			
6	05/17/16	**0.0606**	**0.0176**	**0.0142**	**0.41**			
7	05/09/17	**0.0180**	**0.0829**	**0.0196**	**0.243**			
8	06/12/18	**0.0288**	0.00586	**0.0505**	**0.245**			
9	05/08/19	**0.0110**						
10	11/06/19	***0.0010***	**0.0438**	***0.0050***	**0.0624**			
11	03/18/20	0.00355						
12	06/17/20	0.00794	0.00404	***0.0010***	**0.0424**			
13	09/16/20	0.00145		***0.0010***				
14	12/23/20	0.00113						
15	03/25/21	0.00296		0.00178				
16	06/17/21	0.00714	**0.0410**	***0.0010***	0.00498			
17	09/16/21	0.00577			**0.0265**			
18	12/16/21	0.00454			0.00562			
19	03/16/22	**0.0128**	0.00134					
20	06/23/22	0.00478	0.00546	0.000539	0.0010			
21	09/28/22	0.00103		0.00126				
22	12/09/22							
23								
24								
25								
Coefficient of Variation:		1.59	1.36	2.00	1.97			
Mann-Kendall Statistic (S):		-108	-30	-68	-47			
Confidence Factor:		100.0%	96.2%	>99.9%	>99.9%			
Concentration Trend:		Decreasing	Decreasing	Decreasing	Decreasing			



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.
4. Nondetectable concentrations listed as 0.0009 mg/L (i.e., <MDL) and indicated in italicized bold red values.
5. All concentrations in milligrams per liter (mg/L)

Appendix C

2006 – 2022 Historical Well Survey Data and Groundwater Elevations

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-1	03/29/06	T13036-1	**0.557**	0.0032	0.0133	0.0092	
MW-1	06/10/06	T13862-1	**0.639** [a]	<0.00036	0.0033	0.0015 J	
MW-1	09/12/06	T14676-1	**0.512** [a]	<0.00020	<0.00033	<0.00036	
MW-1	12/06/06	T15618-1	**0.452** [a]	<0.00020	0.0049	<0.00036	
MW-1	02/28/07	T16494-1	**0.481** [a]	<0.00020	0.0191	<0.00036	
MW-1	05/30/07	T17645-1	**0.213** [a]	<0.00023	0.0043	<0.00055	
MW-1	09/06/07	T18811-1	**0.066**	<0.00023	0.006	<0.00055	
MW-1	11/13/07	T19737-1	**0.0955** [c]	<0.001	0.0091	<0.003	
MW-1	02/26/08	T21028-1	**0.0156**	<0.00023	0.00069 J	<0.00055	
MW-1	05/28/08	T22367-1	**0.031**	<0.00023	0.0022	<0.00055	
MW-1	08/18/08	T23538-1	0.001	<0.0005	<0.0005	<0.001	
MW-1	11/19/08	8112008	**0.0209**	0.00120	0.00330	<0.00100	
MW-1	02/17/09	187728	0.0027	<0.001	<0.001	<0.001	
MW-1	05/19/09	196550	0.0004 J	<0.000281	<0.000535	<0.000960	
MW-1	08/26/09	208325	<0.000133	<0.000281	<0.000535	<0.000960	
MW-1	11/18/09	215413	**0.223**	<0.00332	0.0617	<0.00143	
MW-1	02/11/10	222481	**0.0769**	<0.0004	0.0042	<0.000379	
MW-1	05/12/10	1005475-01	<0.0010	<0.0010	<0.0010	<0.0030	
MW-1	08/26/10	1008909-01	**0.017**	<0.0010	<0.0010	<0.0030	
MW-1	11/18/10	1011749-01	0.0077	<0.0010	<0.0010	<0.0030	
MW-1	02/23/11	1102701-04	**0.025**	<0.0010	<0.0010	<0.0030	
MW-1	06/01/11	1106050-01	0.0004 J	<0.0010	<0.0010	<0.0030	
MW-1	08/30/11	11081008-01	<0.001	<0.0010	<0.0010	<0.0030	
MW-1	11/28/11	1111901-01	<0.001	<0.0010	<0.0010	<0.0030	
MW-1	02/22/12	1202864-01	0.0010	<0.0010	<0.0010	<0.0030	
MW-1	05/22/12	12051078-01	<0.001	<0.0010	<0.0010	<0.0030	
MW-1	09/11/12	1209475-01	<0.001	<0.001	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-1	11/26/12	1211904-01	<0.001	<0.001	<0.001	<0.003	
MW-1	02/27/13	L622455-01	<0.001	<0.005	<0.001	<0.003	
MW-1	06/11/13	L641163-01	<0.001	<0.005	<0.001	<0.003	
MW-1	09/10/13	L656835-01	<0.001	<0.005	<0.001	<0.003	
MW-1	11/07/13	L667856-01	0.00046 J	<0.005	<0.001	<0.003	
MW-1	03/05/14	L686955-01	<0.001	<0.005	<0.001	<0.003	
MW-1	06/03/14	L703477-01	<0.001	<0.005	<0.001	<0.003	
MW-1	09/17/14	L722791-01	<0.001	<0.005	<0.001	<0.003	
MW-1	11/12/14	L733897-01	<0.001	<0.005	<0.001	<0.003	
MW-1	02/25/15	L750722-01	<0.001	<0.005	<0.001	<0.003	
MW-1	06/16/15	L772255-01	<0.001	<0.005	<0.001	<0.003	
MW-1	08/26/15	L785959-01	<0.001	<0.005	<0.001	<0.003	
MW-1	11/17/15	L802523-01	<0.001	<0.005	<0.001	<0.003	
MW-1	03/08/16	L822589-01	<0.001	<0.005	<0.001	<0.003	
MW-1	05/17/16	L836879-01	<0.001	<0.005	<0.001	<0.003	
MW-1	09/19/16	L860929-01	<0.001	<0.005	<0.001	<0.003	
MW-1	12/14/16	L879216-01	<0.001	<0.001	<0.001	<0.003	
MW-1	02/28/17	L893439-01	<0.001	<0.001	<0.001	<0.003	
MW-1	05/08/17	L908717-01	<0.001	<0.001	<0.001	<0.003	
MW-1	09/15/17	L936891-01	<0.001	<0.001	<0.001	<0.003	
MW-1	11/29/17	L954383-01	<0.001	<0.001	<0.001	<0.003	
MW-1	03/07/18	L976397-01	<0.001	<0.001	<0.001	<0.003	
MW-1	06/12/18	L1001691-01	<0.001	<0.001	<0.001	<0.003	
MW-1	09/05/18	L1023536-01	<0.001	<0.001	<0.001	<0.003	
MW-1	11/28/18	L1048614-01	<0.001	<0.001	<0.001	<0.003	
MW-1	02/12/19	L1069996-01	<0.001	<0.001	<0.001	<0.003	
MW-1	05/08/19	L1097774-01	<0.001	0.00486	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-1	08/22/19	L1132369-01	<0.001	<0.001	<0.001	<0.003	
MW-1	11/06/19	L1158995-01	<0.001	<0.001	<0.001	<0.003	
MW-1	03/18/20	L1201828	<0.001	<0.001	<0.001	<0.003	
MW-1	06/17/20	L1231256-01	<0.001	<0.001	<0.001	<0.003	
MW-1	09/16/20	L1263780-01	<0.001	<0.001	<0.001	<0.003	
MW-1	12/23/20	L1300493-01	<0.001	<0.001	<0.001	<0.003	
MW-1	03/25/21	NS	NS	NS	NS	NS	
MW-1	06/17/21	L1369543-01	<0.001	<0.001	<0.001	<0.003	
MW-1	09/16/21	NS	NS	NS	NS	NS	
MW-1	12/16/21	L1444115-01	<0.001	<0.001	<0.001	<0.003	
MW-1	06/23/22	L1509144-01	<0.0000941	<0.000278	<0.000137	<0.000174	
MW-1	09/28/22	L1541769-01	<0.0000941	<0.000278	<0.000137	<0.000174	
MW-1	12/09/22	L1566269-01	<0.000493	<0.000998	<0.000462	<0.00132	
MW-2	03/29/06	T 13036-2	0.0012	0.0011	0.00042	<0.00072	
MW-2	06/10/06	T13862-2	0.00038 J	<0.00036	<0.00035	<0.00072	
MW-2	09/12/06	T14676-2	<0.00035	<0.00020	<0.00033	<0.00036	
MW-2	12/06/06	T15618-2	0.0012	0.00087 J	<0.00033	<0.00036	
MW-2	02/28/07	T16494-2	0.0044	0.0017	<0.00033	<0.00036	
MW-2	05/30/07	T17645-2	0.00065 J	<0.00023	<0.00035	<0.00055	
MW-2	09/06/07	T18811-2	<0.00021	<0.00023	<0.00035	<0.00055	
MW-2	11/13/07	T19737-2	<0.001	<0.001	<0.001	<0.003	
MW-2	02/26/08	T21028-2	<0.00021	<0.00023	<0.00035	<0.00055	
MW-2	05/28/08	T22367-2	<0.00021	<0.00023	<0.00035	<0.00055	
MW-2	08/18/08	T23538-2	0.00065 J	<0.0005	<0.0005	<0.001	
MW-2	11/19/08	8112008	<0.00100	<0.00100	<0.00100	<0.00100	
MW-2	02/17/09	187729	<0.00100	<0.00100	<0.00100	<0.00100	

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Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-2	05/19/09	196551	<0.000133	<0.000281	<0.000535	0.0018	
MW-2	08/26/09	208326	<0.000149	<0.000188	<0.000178	<0.000163	
MW-2	11/18/09	215414	<0.000160	<0.000332	<0.000230	<0.000143	
MW-2	02/11/10	222482	<0.000371	<0.0004	<0.00043	<0.000379	
MW-2	05/12/10	1005475-02	<0.001	<0.001	<0.001	<0.003	
MW-2	08/26/10	1008909-02	<0.001	<0.001	<0.001	<0.003	
MW-2	11/18/10	1011749-02	<0.001	<0.001	<0.001	<0.003	
MW-2	02/23/11	1102701-05	<0.001	<0.001	<0.001	<0.003	
MW-2	06/01/11	1106050-02	<0.001	<0.001	<0.001	<0.003	
MW-2	08/30/11	11081008-02	<0.001	<0.001	<0.001	<0.003	
MW-2	11/28/11	1111901-02	<0.001	<0.001	<0.001	<0.003	
MW-2	02/22/12	1202864-02	<0.001	<0.001	<0.001	<0.003	
MW-2	05/22/12	12051078-02	<0.001	<0.001	<0.001	<0.003	
MW-2	09/11/12	1209475-02	<0.001	<0.001	<0.001	<0.003	
MW-2	11/26/12	1211904-02	<0.001	<0.001	<0.001	<0.003	
MW-2	02/27/13	L622455-02	<0.001	<0.005	<0.001	<0.003	
MW-2	06/11/13	L641163-02	<0.001	<0.005	<0.001	<0.003	
MW-2	09/10/13	L656835-02	<0.001	<0.005	<0.001	<0.003	
MW-2	11/07/13	L667856-02	<0.001	<0.005	<0.001	<0.003	
MW-2	03/05/14	L686955-02	<0.001	<0.005	<0.001	<0.003	
MW-2	06/03/14	L703477-02	<0.001	<0.005	<0.001	<0.003	
MW-2	09/17/14	L722791-02	<0.001	<0.005	<0.001	<0.003	
MW-2	11/12/14	L733897-02	<0.001	<0.005	<0.001	<0.003	
MW-2	02/25/15	L750722-02	<0.001	<0.005	<0.001	<0.003	
MW-2	06/16/15	L772255-02	<0.001	<0.005	<0.001	<0.003	
MW-2	08/26/15	L785959-02	<0.001	<0.005	<0.001	<0.003	
MW-2	11/17/15	L802523-02	<0.001	<0.005	<0.001	<0.003	

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Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-2	03/08/16	L822589-02	<0.001	<0.005	<0.001	<0.003	
MW-2	05/17/16	L836879-02	<0.001	<0.005	<0.001	<0.003	
MW-2	09/19/16	L860929-02	<0.001	<0.005	<0.001	<0.003	
MW-2	12/14/16	L879216-02	<0.001	<0.001	<0.001	<0.003	
MW-2	02/28/17	L893439-02	<0.001	<0.001	<0.001	<0.003	
MW-2	05/08/17	L908717-02	<0.001	<0.001	<0.001	<0.003	
MW-2	09/15/17	L936891-02	<0.001	<0.001	<0.001	<0.003	
MW-2	11/29/17	L954383-02	<0.001	<0.001	<0.001	<0.003	
MW-2	03/07/18	L976397-02	<0.001	<0.001	<0.001	<0.003	
MW-2	06/12/18	L1001691-02	<0.001	<0.001	<0.001	<0.003	
MW-2	09/05/18	L1023536-02	<0.001	<0.001	<0.001	<0.003	
MW-2	11/28/18	L1048614-02	<0.001	<0.001	<0.001	<0.003	
MW-2	02/12/19	L1069996-02	<0.001	<0.001	<0.001	<0.003	
MW-2	05/08/19	L1097774-02	<0.001	0.00488	<0.001	<0.003	
MW-2	08/22/19	L1132369-02	<0.001	<0.001	<0.001	<0.003	
MW-2	11/06/19	L1158995-02	<0.001	<0.001	<0.001	<0.003	
MW-2	03/18/20	L1201828-02	<0.001	<0.001	<0.001	<0.003	
MW-2	06/17/20	L1231256-02	<0.001	<0.001	<0.001	<0.003	
MW-2	09/16/20	L1263780-02	<0.001	<0.001	<0.001	<0.003	
MW-2	12/23/20	L1300493-02	<0.001	<0.001	<0.001	<0.003	
MW-2	03/25/21	NS	NS	NS	NS	NS	
MW-2	06/18/21	L1369543-02	<0.001	<0.001	<0.001	<0.003	
MW-2	09/16/21	NS	NS	NS	NS	NS	
MW-2	12/16/21	L1444115-02	<0.001	<0.001	<0.001	<0.003	
MW-2	06/23/22	L1509144-02	<0.0000941	<0.000278	<0.000137	<0.000174	
MW-2	09/28/22	L1541769-02	<0.0000941	<0.000278	<0.000137	<0.000174	
MW-2	12/09/22	L1566269-02	<0.000493	<0.000998	<0.000462	<0.00132	

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Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-3	03/29/06	T 13036-3	**0.0129**	0.0089	0.0021	0.0038	
MW-3	06/10/06	T13862-3	0.0075	0.0043	0.00071 J	0.002	
MW-3	09/12/06	T14676-3	0.0023	<0.00020	<0.00033	<0.00036	
MW-3	12/06/06	T15618-3	0.0021	0.00077 J	<0.00033	<0.00036	
MW-3	02/28/07	T16494-3	0.0078	0.0026	0.00061	0.0024 J	
MW-3	05/30/07	T17645-3	<0.00021	<0.00023	<0.00035	<0.00055	
MW-3	09/06/07	T18811-3	<0.00021	<0.00023	<0.00035	<0.00055	
MW-3	11/13/07	T19737-3	<0.001	<0.001	<0.001	<0.003	
MW-3	02/26/08	T21028-3	<0.00021	<0.00023	<0.00035	<0.00055	
MW-3	05/28/08	T22367-3	<0.00021	<0.00023	<0.00035	<0.00055	
MW-3	08/18/08	T23538-3	0.0019	<0.0005	<0.0005	<0.0005	
MW-3	11/19/08	8112008	<0.00100	<0.00100	<0.00100	<0.00100	
MW-3	02/17/09	187730	<0.00100	<0.00100	<0.00100	<0.00100	
MW-3	05/19/09	196552	0.0011	<0.000281	<0.000535	<0.000960	
MW-3	08/26/09	208327	<0.000149	<0.000188	<0.000178	<0.000163	
MW-3	11/18/09	215415	<0.000160	<0.000332	<0.000230	<0.000143	
MW-3	02/11/10	222483	<0.000371	<0.0004	<0.00043	<0.000379	
MW-3	08/26/10	1008909-03	<0.001	<0.001	<0.001	<0.003	
MW-3	11/18/10	1011749-03	<0.001	<0.001	<0.001	<0.003	
MW-3	02/23/11	1102701-06	<0.001	<0.001	<0.001	<0.003	
MW-3	06/01/11	1106050-03	<0.001	<0.001	<0.001	<0.003	
MW-3	08/30/11	11081008-03	<0.001	<0.001	<0.001	<0.003	
MW-3	11/28/11	1111901-03	<0.001	<0.001	<0.001	<0.003	
MW-3	02/22/12	1202864-03	<0.001	<0.001	<0.001	<0.003	
MW-3	05/22/12	12051078-03	<0.001	<0.001	<0.001	<0.003	
MW-3	09/11/12	1209475-03	<0.001	<0.001	<0.001	<0.003	

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Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-3	11/26/12	1211904-02	<0.001	<0.001	<0.001	<0.003	
MW-3	02/27/13	L622455-03	<0.001	<0.005	<0.001	<0.003	
MW-3	06/11/13	L641163-03	<0.001	<0.005	<0.001	<0.003	
MW-3	09/10/13	L656835-03	<0.001	<0.005	<0.001	<0.003	
MW-3	11/07/13	L667856-03	<0.001	<0.005	<0.001	<0.003	
MW-3	03/05/14	L686955-03	<0.001	<0.005	<0.001	<0.003	
MW-3	06/03/14	L703477-03	<0.001	<0.005	<0.001	<0.003	
MW-3	09/17/14	L722791-03	<0.001	<0.005	<0.001	<0.003	
MW-3	11/12/14	L733897-03	<0.001	<0.005	<0.001	<0.003	
MW-3	02/25/15	L750722-03	<0.001	<0.005	<0.001	<0.003	
MW-3	06/16/15	L772255-03	<0.001	<0.005	<0.001	<0.003	
MW-3	08/26/15	L785959-03	<0.001	<0.005	<0.001	<0.003	
MW-3	11/17/15	L802523-03	<0.001	<0.005	<0.001	<0.003	
MW-3	03/08/16	L822589-03	<0.001	<0.005	<0.001	<0.003	
MW-3	05/17/16	L836879-03	<0.001	<0.005	<0.001	<0.003	
MW-3	09/19/16	L860929-03	<0.001	<0.005	<0.001	<0.003	
MW-3	12/14/16	L879216-03	<0.001	<0.001	<0.001	<0.003	
MW-3	02/28/17	L893439-03	<0.001	<0.001	<0.001	<0.003	
MW-3	05/08/17	L908717-03	<0.001	<0.001	<0.001	<0.003	
MW-3	09/15/17	L936891-03	<0.001	<0.001	<0.001	<0.003	
MW-3	11/29/17	L954383-03	<0.001	<0.001	<0.001	<0.003	
MW-3	03/07/18	L976397-03	<0.001	<0.001	<0.001	<0.003	
MW-3	06/12/18	L1001691-03	<0.001	<0.001	<0.001	<0.003	
MW-3	09/05/18	L1023536-03	<0.001	<0.001	<0.001	<0.003	
MW-3	11/28/18	L1048614-03	<0.001	<0.001	<0.001	<0.003	
MW-3	02/12/19	L1069996-03	<0.001	<0.001	<0.001	<0.003	
MW-3	05/08/19	L1097774-03	<0.001	<0.001	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-3	08/22/19	L1132369-03	<0.001	<0.001	<0.001	<0.003	
MW-3	11/06/19	L1158995-03	<0.001	<0.001	<0.001	<0.003	
MW-3	03/18/20	L1201828-03	<0.001	<0.001	<0.001	<0.003	
MW-3	06/17/20	L1231256-03	<0.001	<0.001	<0.001	<0.003	
MW-3	09/16/20	L1263780-03	<0.001	<0.001	<0.001	<0.003	
MW-3	12/23/20	L1300493-03	<0.001	<0.001	<0.001	<0.003	
MW-3	03/25/21	L1331415-01	<0.001	<0.001	<0.001	<0.003	
MW-3	06/18/21	L1369543-03	<0.001	<0.001	<0.001	<0.003	
MW-3	09/16/21	L1405764-01	<0.001	<0.001	<0.001	<0.003	
MW-3	12/16/21	L1444115-03	<0.001	<0.001	<0.001	<0.003	
MW-3	06/23/22	L1509144-03	<0.0000941	<0.000278	<0.000137	<0.000174	
MW-3	09/28/22	L1541769-03	<0.0000941	<0.000278	<0.000137	<0.000174	
MW-3	12/09/22	L1566269-03	<0.000493	<0.000998	<0.000462	<0.00132	
MW-4	12/06/06	T15618-4	<0.00035	<0.00020	<0.00033	<0.00036	
MW-4	02/28/07	T16494-4	<0.00035	<0.00020	<0.00033	<0.00036	
MW-4	05/30/07	T17645-4	<0.00021	<0.00023	<0.00035	<0.00055	
MW-4	09/06/07	T18811-4	<0.00021	<0.00023	<0.00035	<0.00055	
MW-4	11/13/07	T19737-4	<0.001	<0.001	<0.001	<0.003	
MW-4	02/26/08	T21028-4	0.00086 J	<0.00023	<0.00035	<0.00055	
MW-4	05/28/08	T22367-4	<0.00021	<0.00023	<0.00035	<0.00055	
MW-4	08/18/08	T23538-4	<0.0005	<0.0005	<0.0005	<0.001	
MW-4	11/19/08	8112008	<0.00100	<0.00100	<0.00100	<0.00100	
MW-4	02/17/09	187731	<0.00100	<0.00100	<0.00100	<0.00100	
MW-4	05/19/09	196553	<0.000133	<0.000281	<0.000535	<0.000960	
MW-4	08/26/09	208328	<0.000149	<0.000188	<0.000178	<0.000163	
MW-4	11/18/09	215416	<0.000160	<0.000332	<0.000230	<0.000143	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-4	02/11/10	222484	<0.000371	<0.0004	<0.00043	<0.000379	
MW-4	05/12/10	1005475-04	<0.001	<0.001	<0.001	<0.003	
MW-4	08/26/10	1008909-04	<0.001	<0.001	<0.001	<0.003	
MW-4	11/18/10	1011749-04	<0.001	<0.001	<0.001	<0.003	
MW-4	02/23/11	1102701-07	<0.001	<0.001	<0.001	<0.003	
MW-4	06/01/11	1106050-04	<0.001	<0.001	<0.001	<0.003	
MW-4	08/30/11	11081008-04	<0.001	<0.001	<0.001	<0.003	
MW-4	11/28/11	1111901-04	<0.001	<0.001	<0.001	<0.003	
MW-4	02/22/12	1202864-04	<0.001	<0.001	<0.001	<0.003	
MW-4	05/22/12	12051078-04	<0.001	<0.001	<0.001	<0.003	
MW-4	09/11/12	1209475-04	<0.001	<0.001	<0.001	<0.003	
MW-4	11/26/12	1211904-04	<0.001	<0.001	<0.001	<0.003	
MW-4	02/27/13	L622455-04	<0.001	<0.005	<0.001	<0.003	
MW-4	06/11/13	L641163-04	<0.001	<0.005	<0.001	<0.003	
MW-4	09/10/13	L656835-04	<0.001	<0.005	<0.001	<0.003	
MW-4	11/07/13	L667856-04	<0.001	<0.005	<0.001	<0.003	
MW-4	03/05/14	L686955-04	<0.001	<0.005	<0.001	<0.003	
MW-4	06/03/14	L703477-04	<0.001	<0.005	<0.001	<0.003	
MW-4	09/17/14	L722791-04	<0.001	<0.005	<0.001	<0.003	
MW-4	11/12/14	L733897-04	<0.001	<0.005	<0.001	<0.003	
MW-4	02/25/15	L750722-04	<0.001	<0.005	<0.001	<0.003	
MW-4	06/16/15	L772255-04	<0.001	<0.005	<0.001	<0.003	
MW-4	08/26/15	L785959-04	<0.001	<0.005	<0.001	<0.003	
MW-4	11/17/15	L802523-04	<0.001	<0.005	<0.001	<0.003	
MW-4	03/08/16	L822589-04	<0.001	<0.005	<0.001	<0.003	
MW-4	05/17/16	L836879-04	<0.001	<0.005	<0.001	<0.003	
MW-4	09/19/16	L860929-04	<0.001	<0.005	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-4	12/14/16	L879216-04	<0.001	<0.001	<0.001	<0.003	
MW-4	02/28/17	L893439-04	<0.001	<0.001	<0.001	<0.003	
MW-4	05/08/17	L908717-04	<0.001	<0.001	<0.001	<0.003	
MW-4	09/15/17	L936891-04	<0.001	<0.001	<0.001	<0.003	
MW-4	11/29/17	L954383-04	<0.001	<0.001	<0.001	<0.003	
MW-4	03/07/18	L976397-04	<0.001	<0.001	<0.001	<0.003	
MW-4	06/12/18	L1001691-04	<0.001	<0.001	<0.001	<0.003	
MW-4	09/05/18	L1023536-04	<0.001	<0.001	<0.001	<0.003	
MW-4	11/28/18	L1048614-04	<0.001	<0.001	<0.001	<0.003	
MW-4	02/12/19	L1069996-04	<0.001	<0.001	<0.001	<0.003	
MW-4	05/08/19	L1097774-04	<0.001	0.00479	<0.001	<0.003	
MW-4	08/22/19	L1132369-04	<0.001	<0.001	<0.001	<0.003	
MW-4	11/06/19	L1158995-04	<0.001	<0.001	<0.001	<0.003	
MW-4	03/18/20	L1201828-04	<0.001	<0.001	<0.001	<0.003	
MW-4	06/17/20	L1231256-04	<0.001	<0.001	<0.001	<0.003	
MW-4	09/16/20	L1263780-04	<0.001	<0.001	<0.001	<0.003	
MW-4	12/23/20	L1300493-04	<0.001	<0.001	<0.001	<0.003	
MW-4	03/25/21	L1331415-02	<0.001	<0.001	<0.001	<0.003	
MW-4	06/17/21	L1369543-04	<0.001	<0.001	<0.001	<0.003	
MW-4	09/16/21	L1405764-02	<0.001	<0.001	<0.001	<0.003	
MW-4	12/16/21	L1444115-04	<0.001	<0.001	<0.001	<0.003	
MW-4	06/23/22	L1509144-04	<0.0000941	<0.000278	<0.000137	<0.000174	
MW-4	09/28/22	L1541769-04	<0.0000941	<0.000278	<0.000137	<0.000174	
MW-4	12/09/22	L1566269-04	<0.000493	<0.000998	<0.000462	<0.00132	
MW-5	12/06/06	T15618-5	0.00055 J	<0.00020	<0.00033	<0.00036	
MW-5	02/28/07	T16494-5	<0.00035	<0.00020	<0.00033	<0.00036	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-5	05/30/07	T17645-5	<0.00021	<0.00023	<0.00035	<0.00055	
MW-5	09/06/07	T18811-5	<0.00021	<0.00023	<0.00035	<0.00055	
MW-5	11/13/07	T19737-5	<0.001	<0.001	<0.001	<0.003	
MW-5	02/26/08	T21028-5	<0.00021	<0.00023	<0.00035	<0.00055	
MW-5	05/28/08	T22367-5	<0.00021	<0.00023	<0.00035	<0.00055	
MW-5	08/18/08	T23538-5	<0.0005	<0.0005	<0.0005	<0.001	
MW-5	11/19/08	8112008	<0.00100	<0.00100	<0.00100	<0.00100	
MW-5	02/17/09	187732	<0.00100	<0.00100	<0.00100	<0.00100	
MW-5	05/19/09	196554	<0.000133	<0.000281	<0.000535	<0.000960	
MW-5	08/26/09	208329	<0.000149	<0.000188	<0.000178	<0.000163	
MW-5	11/18/09	215417	<0.000160	<0.000332	<0.000230	<0.000143	
MW-5	02/11/10	222485	<0.000371	<0.0004	<0.00043	<0.000379	
MW-5	05/12/10	1005475-05	<0.001	<0.001	<0.001	<0.003	
MW-5	08/26/10	1008909-05	<0.001	<0.001	<0.001	<0.003	
MW-5	11/18/10	1011749-05	<0.001	<0.001	<0.001	<0.003	
MW-5	02/23/11	1102701-08	<0.001	<0.001	<0.001	<0.003	
MW-5	06/01/11	1106050-05	<0.001	<0.001	<0.001	<0.003	
MW-5	08/30/11	11081008-05	<0.001	<0.001	<0.001	<0.003	
MW-5	11/28/11	1111901-05	<0.001	<0.001	<0.001	<0.003	
MW-5	02/22/12	1202864-05	<0.001	<0.001	<0.001	<0.003	
MW-5	05/22/12	12051078-05	<0.001	<0.001	<0.001	<0.003	
MW-5	09/11/12	1209475-05	<0.001	<0.001	<0.001	<0.003	
MW-5	11/26/12	1211904-05	<0.001	<0.001	<0.001	<0.003	
MW-5	02/27/13	L622455-05	<0.001	<0.005	<0.001	<0.003	
MW-5	06/11/13	L641163-05	<0.001	<0.005	<0.001	<0.003	
MW-5	09/10/13	L656835-05	<0.001	<0.005	<0.001	<0.003	
MW-5	11/07/13	L667856-05	<0.001	<0.005	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-5	03/05/14	L686955-05	<0.001	<0.005	<0.001	<0.003	
MW-5	06/03/14	L703477-05	<0.001	<0.005	<0.001	<0.003	
MW-5	09/17/14	L722791-05	<0.001	<0.005	0.019	0.0033	
MW-5	11/12/14	L733897-05	<0.001	<0.005	<0.001	<0.003	
MW-5	02/25/15	L750722-05	<0.001	<0.005	<0.001	<0.003	
MW-5	06/16/15	L772255-05	<0.001	<0.005	<0.001	<0.003	
MW-5	08/26/15	L785959-05	<0.001	<0.005	<0.001	<0.003	
MW-5	11/17/15	L802523-05	<0.001	<0.005	<0.001	<0.003	
MW-5	03/08/16	L822589-05	<0.001	<0.005	<0.001	<0.003	
MW-5	05/17/16	L836879-05	<0.001	<0.005	<0.001	<0.003	
MW-5	09/19/16	L860929-05	<0.001	<0.005	<0.001	<0.003	
MW-5	12/14/16	L879216-05	<0.001	<0.001	<0.001	<0.003	
MW-5	02/28/17	L893439-05	<0.001	<0.001	<0.001	<0.003	
MW-5	05/09/17	L908717-05	<0.001	<0.001	<0.001	<0.003	
MW-5	09/15/17	L936891-05	<0.001	<0.001	<0.001	<0.003	
MW-5	11/29/17	L954383-05	<0.001	<0.001	<0.001	<0.003	
MW-5	03/07/18	L976397-05	<0.001	<0.001	<0.001	<0.003	
MW-5	06/12/18	L1001691-05	<0.001	<0.001	<0.001	<0.003	
MW-5	09/05/18	L1023536-05	<0.001	<0.001	<0.001	<0.003	
MW-5	11/28/18	L1048614-05	<0.001	<0.001	<0.001	<0.003	
MW-5	02/12/19	L1069996-05	<0.001	<0.001	<0.001	<0.003	
MW-5	05/08/19	L1097774-05	<0.001	<0.001	<0.001	<0.003	
MW-5	08/22/19	L1132369-05	<0.001	<0.001	<0.001	<0.003	
MW-5	11/06/19	L1158995-05	<0.001	<0.001	<0.001	<0.003	
MW-5	03/18/20	L1201828-05	<0.001	<0.001	<0.001	<0.003	
MW-5	06/17/20	L1231256-05	<0.001	<0.001	<0.001	<0.003	
MW-5	09/16/20	L1263780-05	<0.001	<0.001	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-5	12/23/20	L1300493-05	<0.001	<0.001	<0.001	<0.003	
MW-5	03/25/21	L1331415-03	<0.001	<0.001	<0.001	<0.003	
MW-5	06/18/21	L1369543-05	<0.001	<0.001	<0.001	<0.003	
MW-5	09/16/21	L1405764-03	<0.001	<0.001	<0.001	<0.003	
MW-5	12/16/21	L1444115-05	<0.001	<0.001	<0.001	<0.003	
MW-5	06/23/22	L1509144-05	<0.0000941	<0.000278	<0.000137	<0.000174	
MW-5	09/28/22	L1541769-05	<0.0000941	<0.000278	<0.000137	<0.000174	
MW-5	12/09/22	L1566269-05	<0.000493	<0.000998	<0.000462	<0.00132	
MW-6	12/06/06	T15618-6	<0.00035	<0.00020	<0.00033	<0.00036	
MW-6	02/28/07	T16494-6	<0.00035	<0.00020	<0.00033	<0.00036	
MW-6	05/30/07	T17645-6	<0.00021	<0.00023	<0.00035	<0.00055	
MW-6	09/06/07	T18811-6	<0.00021	<0.00023	<0.00035	<0.00055	
MW-6	11/13/07	T19737-6	<0.001	<0.001	<0.001	<0.003	
MW-6	02/26/08	T21028-6	<0.00021	<0.00023	<0.00035	<0.00055	
MW-6	05/28/08	T22367-6	<0.00021	<0.00023	<0.00035	<0.00055	
MW-6	08/18/08	T23538-6	<0.0005	<0.0005	<0.0005	<0.001	
MW-6	11/19/08	8112008	<0.00100	<0.00100	<0.00100	<0.00100	
MW-6	02/17/09	187733	<0.00100	<0.00100	<0.00100	<0.00100	
MW-6	05/19/09	196555	<0.000133	<0.000281	<0.000535	<0.000960	
MW-6	08/26/09	208330	<0.000149	<0.000188	<0.000178	<0.000163	
MW-6	11/18/09	215418	<0.000160	<0.000332	<0.000230	<0.000143	
MW-6	02/11/10	222486	<0.000371	<0.0004	<0.00043	<0.000379	
MW-6	05/12/10	1005475-06	<0.001	<0.001	<0.001	<0.003	
MW-6	08/26/10	1008909-06	<0.001	<0.001	<0.001	<0.003	
MW-6	11/18/10	1011749-06	<0.001	<0.001	<0.001	<0.003	
MW-6	02/23/11	1102701-09	<0.001	<0.001	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-6	06/01/11	1106050-06	<0.001	<0.001	<0.001	<0.003	
MW-6	08/30/11	11081008-06	<0.001	<0.001	<0.001	<0.003	
MW-6	11/28/11	1111901-06	<0.001	<0.001	<0.001	<0.003	
MW-6	02/22/12	1202864-06	<0.001	<0.001	<0.001	<0.003	
MW-6	05/22/12	12051078-06	<0.001	<0.001	<0.001	<0.003	
MW-6	09/11/12	1209475-06	<0.001	<0.001	<0.001	<0.003	
MW-6	11/26/12	1211904-06	<0.001	<0.001	<0.001	<0.003	
MW-6	02/27/13	L622455-06	<0.001	<0.005	<0.001	<0.003	
MW-6	06/11/13	L641163-06	<0.001	<0.005	<0.001	<0.003	
MW-6	09/10/13	L656835-06	<0.001	<0.005	<0.001	<0.003	
MW-6	11/07/13	L667856-06	<0.001	<0.005	<0.001	<0.003	
MW-6	03/05/14	L686955-06	<0.001	<0.005	<0.001	<0.003	
MW-6	06/03/14	L703477-06	<0.001	<0.005	<0.001	<0.003	
MW-6	09/17/14	L722791-06	<0.001	<0.005	<0.001	<0.003	
MW-6	11/12/14	L733897-06	<0.001	<0.005	<0.001	<0.003	
MW-6	02/25/15	L750722-06	<0.001	<0.005	<0.001	<0.003	
MW-6	06/16/15	L772255-06	<0.001	<0.005	<0.001	<0.003	
MW-6	08/26/15	L785959-06	<0.001	<0.005	<0.001	<0.003	
MW-6	11/17/15	L802523-06	<0.001	<0.005	<0.001	<0.003	
MW-6	03/08/16	L822589-06	<0.001	<0.005	<0.001	<0.003	
MW-6	05/17/16	L836879-06	<0.001	<0.005	<0.001	<0.003	
MW-6	09/19/16	L860929-06	<0.001	<0.005	<0.001	<0.003	
MW-6	12/14/16	L879216-06	<0.001	<0.001	<0.001	<0.003	
MW-6	02/28/17	L893439-06	<0.001	<0.001	<0.001	<0.003	
MW-6	05/09/17	L908717-06	<0.001	<0.001	<0.001	<0.003	
MW-6	09/15/17	L936891-06	<0.001	<0.001	<0.001	<0.003	
MW-6	11/29/17	L954383-06	<0.001	<0.001	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-6	03/07/18	L976397-06	<0.001	<0.001	<0.001	<0.003	
MW-6	06/12/18	L1001691-06	<0.001	<0.001	<0.001	<0.003	
MW-6	09/05/18	L1023536-06	<0.001	<0.001	<0.001	<0.003	
MW-6	11/28/18	L1048614-06	<0.001	<0.001	<0.001	<0.003	
MW-6	02/12/19	L1069996-06	<0.001	<0.001	<0.001	<0.003	
MW-6	05/08/19	L1097774-06	<0.001	<0.001	<0.001	<0.003	
MW-6	08/22/19	L1132369-06	<0.001	<0.001	<0.001	<0.003	
MW-6	11/06/19	L1158995-06	<0.001	<0.001	<0.001	<0.003	
MW-6	03/18/20	L1201828-06	<0.001	<0.001	<0.001	<0.003	
MW-6	09/16/20	L1263780-06	<0.001	<0.001	<0.001	<0.003	
MW-6	06/17/20	L1231256-06	<0.001	<0.001	<0.001	<0.003	
MW-6	12/23/20	L1300493-06	<0.001	<0.001	<0.001	<0.003	
MW-6	03/25/21	L1331415-04	<0.001	<0.001	<0.001	<0.003	
MW-6	06/18/21	L1369543-06	<0.001	<0.001	<0.001	<0.003	
MW-6	09/16/21	L1405764-04	<0.001	<0.001	<0.001	<0.003	
MW-6	12/16/21	L1444115-06	<0.001	<0.001	<0.001	<0.003	
MW-6	06/23/22	L1509144-06	<0.0000941	<0.000278	<0.000137	<0.000174	
MW-6	09/28/22	L1541769-06	<0.0000941	<0.000278	<0.000137	<0.000174	
MW-6	12/09/22	L1566269-06	<0.000493	<0.000998	<0.000462	<0.00132	
MW-7	12/06/06	T15618-7	<0.00035	<0.00020	<0.00033	<0.00036	
MW-7	02/28/07	T16494-7	**0.0114**	<0.00020	<0.00033	<0.00036	
MW-7	05/30/07	T17645-7	0.0049	<0.00023	<0.00035	<0.00055	
MW-7	09/06/07	T18811-7	0.00073 J	<0.00023	<0.00035	<0.00055	
MW-7	11/13/07	T19737-7	<0.001	<0.001	<0.001	<0.003	
MW-7	02/26/08	T21028-7	<0.00021	<0.00023	<0.00035	<0.00055	
MW-7	05/28/08	T22367-7	0.00053 J	<0.00023	<0.00035	<0.00055	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-7	08/18/08	T23538-7	<0.0005	<0.0005	<0.0005	<0.001	
MW-7	11/19/08	8112008	<0.00100	<0.00100	<0.00100	<0.00100	
MW-7	02/17/09	187734	<0.00100	<0.00100	<0.00100	<0.00100	
MW-7	05/19/09	196556	<0.000133	<0.000281	<0.000535	<0.000960	
MW-7	08/26/09	208331	<0.000149	<0.000188	<0.000178	<0.000163	
MW-7	11/18/09	215419	<0.000160	<0.000332	<0.000230	<0.000143	
MW-7	02/11/10	222487	<0.000371	<0.0004	<0.00043	<0.000379	
MW-7	05/12/10	1005475-07	<0.001	<0.001	<0.001	<0.003	
MW-7	08/26/10	1008909-07	<0.001	<0.001	<0.001	<0.003	
MW-7	11/18/10	1011749-07	<0.001	<0.001	<0.001	<0.003	
MW-7	02/23/11	1102701-10	<0.001	<0.001	<0.001	<0.003	
MW-7	06/01/11	1106050-07	<0.001	<0.001	<0.001	<0.003	
MW-7	08/30/11	11081008-07	<0.001	<0.001	<0.001	<0.003	
MW-7	11/28/11	1111901-07	<0.001	<0.001	<0.001	<0.003	
MW-7	02/22/12	1202864-07	<0.001	<0.001	<0.001	<0.003	
MW-7	05/22/12	12051078-07	<0.001	<0.001	<0.001	<0.003	
MW-7	09/11/12	1209475-07	<0.001	<0.001	<0.001	<0.003	
MW-7	11/26/12	1211904-07	<0.001	<0.001	<0.001	<0.003	
MW-7	02/27/13	L622455-07	<0.001	<0.005	<0.001	<0.003	
MW-7	06/11/13	L641163-07	<0.001	<0.005	<0.001	<0.003	
MW-7	09/10/13	L656835-07	<0.001	<0.005	<0.001	<0.003	
MW-7	11/07/13	L667856-07	<0.001	<0.005	<0.001	<0.003	
MW-7	03/05/14	L686955-07	<0.001	<0.005	<0.001	<0.003	
MW-7	06/03/14	L703477-07	<0.001	<0.005	<0.001	<0.003	
MW-7	09/17/14	L722791-07	0.0012	<0.005	<0.001	<0.003	
MW-7	11/12/14	L733897-07	<0.001	<0.005	<0.001	<0.003	
MW-7	02/25/15	L750722-07	<0.001	<0.005	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-7	06/16/15	L772255-07	<0.001	<0.005	<0.001	<0.003	
MW-7	08/26/15	L785959-07	<0.001	<0.005	<0.001	<0.003	
MW-7	11/17/15	L802523-07	<0.001	<0.005	<0.001	<0.003	
MW-7	03/08/16	L822589-07	<0.001	<0.005	<0.001	<0.003	
MW-7	05/17/16	L836879-07	<0.001	<0.005	<0.001	<0.003	
MW-7	09/19/16	L860929-07	<0.001	<0.005	<0.001	<0.003	
MW-7	12/14/16	L879216-07	<0.001	<0.001	<0.001	<0.003	
MW-7	02/28/17	L893439-07	<0.001	<0.001	<0.001	<0.003	
MW-7	05/08/17	L908717-07	<0.001	<0.001	<0.001	<0.003	
MW-7	09/15/17	L936891-07	<0.001	<0.001	<0.001	<0.003	
MW-7	11/29/17	L954383-07	<0.001	<0.001	<0.001	<0.003	
MW-7	03/07/18	L976397-07	<0.001	<0.001	<0.001	<0.003	
MW-7	06/12/18	L1001691-07	<0.001	<0.001	<0.001	<0.003	
MW-7	09/05/18	L1023536-07	<0.001	<0.001	<0.001	<0.003	
MW-7	11/28/18	L1048614-07	<0.001	<0.001	<0.001	<0.003	
MW-7	02/12/19	L1069996-07	<0.001	<0.001	<0.001	<0.003	
MW-7	05/08/19	L1097774-07	<0.001	0.00461	<0.001	<0.003	
MW-7	08/22/19	L1132369-07	<0.001	<0.001	<0.001	<0.003	
MW-7	11/06/19	L1158995-07	<0.001	<0.001	<0.001	<0.003	
MW-7	03/18/20	L1201828-07	<0.001	<0.001	<0.001	<0.003	
MW-7	06/17/20	L1231256-07	<0.001	<0.001	<0.001	<0.003	
MW-7	09/16/20	L1263780-07	<0.001	<0.001	<0.001	<0.003	
MW-7	12/23/20	L1300493-07	<0.001	<0.001	<0.001	<0.003	
MW-7	03/25/21	L1331415-05	<0.001	<0.001	<0.001	<0.003	
MW-7	06/17/21	L1369543-07	<0.001	<0.001	<0.001	<0.003	
MW-7	09/16/21	L1405764-05	<0.001	<0.001	<0.001	<0.003	
MW-7	12/16/21	L1444115-07	<0.001	<0.001	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-7	06/23/22	L1509144-07	<0.0000941	<0.000278	<0.000137	<0.000174	
MW-7	09/28/22	L1541769-07	<0.0000941	<0.000278	<0.000137	<0.000174	
MW-7	12/09/22	L1566269-07	<0.000493	<0.000998	<0.000462	<0.00132	
RW-1	06/01/11	1106050-08	**0.066**	0.016	0.057	0.18	
RW-1	05/22/12	12051078-08	**0.11**	0.066	0.077	0.36	
RW-1	06/11/13	L641163-08	**0.015**	0.0045 J	0.068	0.2	
RW-1	06/03/14	L703477-08	**0.19**	0.024	0.16	0.43	
RW-1	06/16/15	L772255-08	**0.15**	0.0085 J	0.12	0.31	
RW-1	05/17/16	L836879-08	**0.0606**	0.00105 J	0.0335	0.0968	
RW-1	05/09/17	L908717-08	**0.018**	0.00107	0.0313	0.0808	
RW-1	06/12/18	L1001691-08	**0.0288**	<0.001	0.119	0.395	
RW-1	05/08/19	L1097774-08	**0.0110**	<0.005	0.109	0.162	
RW-1	11/06/19	L1158995-08	<0.005	<0.005	0.0245	0.0928	
RW-1	03/18/20	L1201828-08	0.00355	0.00100	0.0275	0.0522	
RW-1	06/17/20	L1231256-08	0.00794	<0.001	0.0515	0.0847	
RW-1	09/16/20	L1263780-08	0.00145	<0.001	0.0231	0.0289	
RW-1	12/23/20	L1300493-08	0.00113	<0.001	0.00399	0.00512	
RW-1	03/25/21	L1331415-06	0.00296	<0.001	0.0214	0.0256	
RW-1	06/17/21	L1369543-08	0.00714	<0.001	0.0322	0.0320	
RW-1	09/16/21	L1405764-06	0.00577	0.00270	0.0121	0.0178	
RW-1	12/16/21	L1444115-08	0.00454	<0.001	0.0149	0.0158	
RW-1	06/23/22	L1509144-08	0.00478	<0.00139	0.00883	0.0106 J	
RW-1	09/28/22	L1541769-08	0.00103	<0.000278	0.00378	0.00494	
RW-2	06/01/11	1106050-09	**0.034**	0.038	0.051	0.14	
RW-2	05/22/12	12051078-09	**0.19**	0.2	0.18	0.49	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
RW-2	06/11/13	L641163-09	**0.028**	0.04	0.063	0.18	
RW-2	06/03/14	L703477-09	**0.03**	0.04	0.063	0.16	
RW-2	06/16/15	L772255-09	0.0055	0.0067 J	0.0078	0.017	
RW-2	05/17/16	L836879-09	**0.0176**	0.0151	0.029	0.0695	
RW-2	05/09/17	L908717-09	**0.0829**	0.135	0.331	0.562	
RW-2	06/13/18	L1001691-09	0.00586	0.00719	0.0164	0.0424	
RW-2	05/08/19	L1097774-09	**0.0438**	0.0380	0.174	0.441	
RW-2	06/17/20	L1231256-09	0.00404	0.0041	0.0158	0.0641	
RW-2	06/17/21	L1369543-09	**0.0410**	0.00201	0.0205	0.00490	
RW-2	06/23/22	L1509144-09	0.00546	0.00106	0.00658	0.0373	
RW-3	06/01/11	110650-10	**0.21**	0.2	0.18	0.39	
RW-3	05/22/12	12051078-10	**0.31**	0.66	0.56	**1.1**	
RW-3	06/11/13	L641163-10	**0.016**	0.078	0.14	0.32	
RW-3	06/03/14	L703477-10	**0.026**	0.015 J	0.11	0.31	
RW-3	06/16/15	L772255-10	**0.019**	0.0046 J	0.09	0.37	
RW-3	05/17/16	L836879-10	**0.0142**	0.0163	0.0375	0.0965	
RW-3	05/09/17	L908717-10	**0.0196**	0.00222	0.0897	0.16	
RW-3	06/12/18	L1001691-10	**0.0505**	0.00191	0.476	**0.763**	
RW-3	05/08/19	L1097774-10	<0.005	0.00685	0.142	0.373	
RW-3	06/17/20	L1231256-10	<0.001	<0.001	0.00789	0.0179	
RW-3	09/16/20	L1263780-09	<0.001	<0.001	0.0137	0.0317	
RW-3	03/25/21	L1331415-07	0.00178	<0.001	0.00930	0.0163	
RW-3	06/18/21	L1369543-10	<0.001	<0.001	0.00449	0.00619	
RW-3	06/23/22	L1509144-10	0.000539 J	<0.000278	0.00197	0.00146 J	
RW-3	09/28/22	L1541769-09	0.00126	<0.000278	0.00213	0.00174 J	

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Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
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Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
RW-4	12/06/06	T15618-8	0.00099 J	0.00035 J	<0.00033	<0.00036	
RW-4	02/28/07	T16494-8	<0.00035	<0.00020	<0.00033	<0.00036	
RW-4	05/30/07	T17645-8	<0.00021	<0.00023	<0.00035	<0.00055	
RW-4	09/06/07	T18811-8	<0.00021	<0.00023	<0.00035	<0.00055	
RW-4	11/13/07	T19737-8	<0.001	<0.001	<0.001	<0.003	
RW-4	02/26/08	T21028-8	<0.00021	<0.00023	<0.00035	<0.00055	
RW-4	05/28/08	T22367-11	<0.00021	<0.00023	<0.00035	<0.00055	
RW-4	08/18/08	T23538-8	<0.0005	<0.0005	<0.0005	<0.001	
RW-4	11/19/08	8112008	<0.00100	<0.00100	<0.00100	<0.00100	
RW-4	02/17/09	187735	<0.00100	<0.00100	<0.00100	<0.00100	
RW-4	05/19/09	196560	<0.000133	<0.000281	<0.000535	<0.000960	
RW-4	08/26/09	208332	<0.000149	<0.000188	<0.000178	<0.000163	
RW-4	11/18/09	215420	<0.000160	<0.000332	<0.000230	<0.000143	
RW-4	02/11/10	222488	<0.000371	<0.0004	<0.00043	<0.000379	
RW-4	05/12/10	1005475-11	<0.001	<0.001	<0.001	<0.003	
RW-4	08/26/10	1008909-08	<0.001	<0.001	<0.001	<0.003	
RW-4	11/18/10	1011749-08	<0.001	<0.001	<0.001	<0.003	
RW-4	02/23/11	1102701-01	<0.001	<0.001	<0.001	<0.003	
RW-4	06/01/11	1106050-11	<0.001	<0.001	<0.001	<0.003	
RW-4	08/30/11	11081008-08	<0.001	<0.001	<0.001	<0.003	
RW-4	11/28/11	1111901-08	<0.001	<0.001	<0.001	<0.003	
RW-4	02/22/12	1202864-08	<0.001	<0.001	<0.001	<0.003	
RW-4	05/22/12	12051078-11	<0.001	<0.001	<0.001	<0.003	
RW-4	09/11/12	1209475-08	<0.001	<0.001	<0.001	<0.003	
RW-4	11/26/12	1211904-08	<0.001	<0.001	<0.001	<0.003	
RW-4	02/27/13	L622455-08	<0.001	<0.005	<0.001	<0.003	
RW-4	06/11/13	L641163-11	<0.001	<0.005	<0.001	<0.003	

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Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
RW-4	09/10/13	L656835-08	<0.001	<0.005	<0.001	<0.003	
RW-4	11/07/13	L667856-08	<0.001	<0.005	<0.001	<0.003	
RW-4	03/05/14	L686955-08	<0.001	<0.005	<0.001	<0.003	
RW-4	06/03/14	L703477-11	<0.001	<0.005	<0.001	<0.003	
RW-4	09/17/14	L722791-08	<0.001	<0.005	<0.001	<0.003	
RW-4	11/12/14	L733897-08	<0.001	<0.005	<0.001	<0.003	
RW-4	02/25/15	L750722-08	<0.001	<0.005	<0.001	<0.003	
RW-4	06/16/15	L772255-11	<0.001	<0.005	<0.001	<0.003	
RW-4	08/26/15	L785959-08	<0.001	<0.005	<0.001	<0.003	
RW-4	08/26/15	L785959-08	<0.001	<0.005	<0.001	<0.003	
RW-4	03/08/16	L822589-08	<0.001	<0.005	<0.001	<0.003	
RW-4	05/17/16	L836879-11	<0.001	<0.005	<0.001	<0.003	
RW-4	09/19/16	L860929-08	<0.001	<0.005	<0.001	<0.003	
RW-4	12/14/16	L879214-01	<0.001	<0.001	<0.001	<0.003	
RW-4	02/28/17	L893439-08	<0.001	<0.001	<0.001	<0.003	
RW-4	05/08/17	L908717-11	<0.001	<0.001	<0.001	<0.003	
RW-4	09/15/17	L936890-01	<0.001	<0.001	<0.001	<0.003	
RW-4	11/29/17	L954383-08	<0.001	<0.001	<0.001	<0.003	
RW-4	03/07/18	L976397-08	<0.001	<0.001	<0.001	<0.003	
RW-4	06/13/18	L1001691-11	<0.001	<0.001	<0.001	<0.003	
RW-4	09/05/18	L1023536-08	<0.001	<0.001	<0.001	<0.003	
RW-4	11/28/18	L1048614-08	<0.001	<0.001	<0.001	<0.003	
RW-4	02/12/19	L1069996-08	<0.001	<0.001	<0.001	<0.003	
RW-4	05/08/19	L1097774-15	<0.001	<0.001	<0.001	<0.003	
RW-4	08/22/19	L1132369-08	<0.001	<0.001	<0.001	<0.003	
RW-4	11/06/19	L1158995-09	<0.001	<0.001	<0.001	<0.003	
RW-4	03/18/20	L1201828-09	<0.001	<0.001	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
RW-4	06/17/20	L1231256-11	<0.001	<0.001	<0.001	<0.003	
RW-4	09/16/20	L1263780-10	<0.001	<0.001	<0.001	<0.003	
RW-4	12/23/20	L1300493-09	<0.001	<0.001	<0.001	<0.003	
RW-4	03/25/21	L1331415-08	<0.001	<0.001	<0.001	<0.003	
RW-4	06/18/21	L1369543-11	<0.001	<0.001	<0.001	<0.003	
RW-4	09/16/21	NS	NS	NS	NS	NS	
RW-4	12/16/21	L1444115-09	<0.001	<0.001	<0.001	<0.003	
RW-4	06/23/22	L1509144-11	<0.0000941	<0.000278	<0.000137	<0.000174	
RW-4	09/28/22	L1541769-10	<0.0000941	<0.000278	<0.000137	<0.000174	
RW-4	12/09/22	L1566269-08	<0.000493	<0.000998	<0.000462	<0.00132	
RW-5	12/06/06	T15618-9	0.0035	0.00095 J	0.00043 J	<0.00036	
RW-5	02/28/07	T16494-9	**0.0193**	0.0038	0.0015	0.0014 J	
RW-5	05/30/07	T17645-9	0.0045	0.0011	0.00066 J	0.00056 J	
RW-5	09/06/07	T18811-9	0.0012	<0.00023	<0.00035	<0.00055	
RW-5	11/13/07	T19737-9	0.0024	<0.001	<0.001	<0.003	
RW-5	02/26/08	T21028-9	<0.00021	<0.00023	<0.00035	<0.00055	
RW-5	05/28/08	T22367-12	0.00045 J	<0.00023	<0.00035	<0.00055	
RW-5	08/18/08	T23538-9	<0.0005	<0.0005	<0.0005	<0.001	
RW-5	11/19/08	8112008	0.00260	<0.00100	<0.00100	<0.00100	
RW-5	02/17/09	187736	0.0048	<0.00100	<0.00100	<0.00100	
RW-5	05/19/09	196561	0.0003 J	<0.000281	<0.000535	0.0016	
RW-5	08/26/09	208333	0.0024	<0.000281	<0.000535	<0.000960	
RW-5	11/18/09	215421	0.0008 J	<0.000332	<0.000230	<0.000143	
RW-5	02/11/10	222489	<0.000371	<0.0004	<0.00043	<0.000379	
RW-5	05/12/10	1005475-12	<0.001	<0.001	<0.001	<0.003	
RW-5	08/26/10	1008909-09	<0.001	<0.001	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
RW-5	11/18/10	1011749-09	<0.001	<0.001	<0.001	<0.003	
RW-5	02/23/11	1102701-02	<0.001	<0.001	<0.001	<0.003	
RW-5	06/01/11	1106050-12	<0.001	<0.001	<0.001	<0.003	
RW-5	08/30/11	11081008-09	<0.001	<0.001	<0.001	<0.003	
RW-5	11/28/11	1111901-09	<0.001	<0.001	<0.001	<0.003	
RW-5	02/22/12	1202864-09	<0.001	<0.001	<0.001	<0.003	
RW-5	05/22/12	12051078-12	<0.001	<0.001	<0.001	<0.003	
RW-5	09/11/12	1209475-09	<0.001	<0.001	<0.001	<0.003	
RW-5	11/26/12	1211904-09	<0.001	<0.001	<0.001	<0.003	
RW-5	02/27/13	L622455-09	<0.001	<0.005	<0.001	<0.003	
RW-5	06/11/13	L641163-12	<0.001	<0.005	<0.001	<0.003	
RW-5	09/10/13	L656835-09	<0.001	<0.005	<0.001	<0.003	
RW-5	11/07/13	L667856-09	<0.001	<0.005	<0.001	<0.003	
RW-5	03/05/14	L686955-09	<0.001	<0.005	<0.001	<0.003	
RW-5	06/03/14	L703477-12	<0.001	<0.005	<0.001	<0.003	
RW-5	09/17/14	L722791-09	<0.001	<0.005	<0.001	<0.003	
RW-5	11/12/14	L733897-09	<0.001	<0.005	<0.001	<0.003	
RW-5	02/25/15	L750722-09	<0.001	<0.005	<0.001	<0.003	
RW-5	06/16/15	L772255-12	<0.001	<0.005	<0.001	<0.003	
RW-5	08/26/15	L785959-09	<0.001	<0.005	<0.001	<0.003	
RW-5	11/17/15	L802523-09	<0.001	<0.005	<0.001	<0.003	
RW-5	03/08/16	L822589-09	<0.001	<0.005	<0.001	<0.003	
RW-5	05/17/16	L836879-12	<0.001	<0.005	<0.001	<0.003	
RW-5	09/19/16	L860929-09	<0.001	<0.005	<0.001	<0.003	
RW-5	12/14/16	L879214-02	<0.001	<0.001	<0.001	<0.003	
RW-5	02/28/17	L893439-09	<0.001	<0.001	<0.001	<0.003	
RW-5	05/08/17	L908717-12	<0.001	<0.001	<0.001	<0.003	

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Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
RW-5	09/15/17	L936890-02	<0.001	<0.001	<0.001	<0.003	
RW-5	11/29/17	L954383-09	<0.001	<0.001	<0.001	<0.003	
RW-5	03/07/18	L976397-09	<0.001	<0.001	<0.001	<0.003	
RW-5	06/13/18	L1001691-12	<0.001	<0.001	<0.001	<0.003	
RW-5	09/05/18	L1023536-09	<0.001	<0.001	<0.001	<0.003	
RW-5	11/28/18	L1048614-09	<0.001	<0.001	<0.001	<0.003	
RW-5	02/12/19	L1069996-09	<0.001	<0.001	<0.001	<0.003	
RW-5	05/08/19	L1097774-11	<0.001	<0.001	<0.001	<0.003	
RW-5	08/22/19	L1132369-09	<0.001	<0.001	<0.001	<0.003	
RW-5	11/06/19	L1158995-10	<0.001	<0.001	<0.001	<0.003	
RW-5	03/18/20	L1201828-10	<0.001	<0.001	<0.001	<0.003	
RW-5	06/17/20	L1231256-12	<0.001	<0.001	<0.001	<0.003	
RW-5	09/16/20	L1263780-11	<0.001	<0.001	<0.001	<0.003	
RW-5	12/23/20	L1300493-10	<0.001	<0.001	<0.001	<0.003	
RW-5	03/25/21	NS	NS	NS	NS	NS	
RW-5	06/18/21	L1369543-12	<0.001	<0.001	<0.001	<0.003	
RW-5	09/16/21	NS	NS	NS	NS	NS	
RW-5	12/16/21	L1444115-10	<0.001	<0.001	<0.001	<0.003	
RW-5	06/23/22	L1509144-12	<0.0000941	<0.000278	<0.000137	<0.000174	
RW-5	09/28/22	L1541769-11	<0.0000941	<0.000278	<0.000137	<0.000174	
RW-5	12/09/22	L1566269-09	<0.000493	<0.000998	<0.000462	<0.00132	
RW-6	12/06/06	T15618-10	<0.00035	<0.00020	<0.00033	<0.00036	
RW-6	02/28/07	T16494-10	<0.00035	<0.00020	<0.00033	<0.00036	
RW-6	05/30/07	T17645-10	<0.00021	<0.00023	<0.00035	<0.00055	
RW-6	09/06/07	T18811-10	<0.00021	<0.00023	<0.00035	<0.00055	
RW-6	11/13/07	T19737-10	<0.001	<0.001	<0.001	<0.003	

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Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
RW-6	02/26/08	T21028-10	<0.00021	<0.00023	<0.00035	<0.00055	
RW-6	05/28/08	T22367-13	<0.00021	<0.00023	<0.00035	<0.00055	
RW-6	08/18/08	T23538-10	<0.0005	<0.0005	<0.0005	<0.001	
RW-6	11/19/08	8112008	<0.00100	<0.00100	<0.00100	<0.00100	
RW-6	02/17/09	187737	<0.00100	<0.00100	<0.00100	<0.00100	
RW-6	05/19/09	196562	0.0008 J	<0.000281	<0.000535	<0.000960	
RW-6	08/26/09	208334	0.0002 J	<0.000281	<0.000535	<0.000960	
RW-6	11/18/09	215422	<0.000160	<0.000332	<0.000230	<0.000143	
RW-6	02/11/10	222490	<0.000371	<0.0004	<0.00043	<0.000379	
RW-6	05/12/10	1005475-13	<0.001	<0.001	<0.001	<0.003	
RW-6	08/26/10	1008909-10	<0.001	<0.001	<0.001	<0.003	
RW-6	11/18/10	1011749-10	<0.001	<0.001	<0.001	<0.003	
RW-6	02/23/11	1102701-03	<0.001	<0.001	<0.001	<0.003	
RW-6	06/01/11	1106050-13	<0.001	<0.001	<0.001	<0.003	
RW-6	08/30/11	11081008-10	<0.001	<0.001	<0.001	<0.003	
RW-6	11/28/11	1111901-10	<0.001	<0.001	<0.001	<0.003	
RW-6	02/22/12	1202864-10	<0.001	<0.001	<0.001	<0.003	
RW-6	05/22/12	12051078-13	<0.001	<0.001	<0.001	<0.003	
RW-6	09/11/12	1209475-09	<0.001	<0.001	<0.001	<0.003	
RW-6	11/26/12	1211904-10	<0.001	<0.001	<0.001	<0.003	
RW-6	02/27/13	L622455-10	<0.001	<0.005	<0.001	<0.003	
RW-6	06/11/13	L641163-12	<0.001	<0.005	<0.001	<0.003	
RW-6	09/10/13	L656835-10	<0.001	<0.005	<0.001	<0.003	
RW-6	11/07/13	L667856-10	<0.001	<0.005	<0.001	<0.003	
RW-6	03/05/14	L686955-10	<0.001	<0.005	<0.001	<0.003	
RW-6	06/03/14	L703477-13	<0.001	<0.005	<0.001	<0.003	
RW-6	09/17/14	L722791-10	<0.001	<0.005	<0.001	<0.003	

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Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
RW-6	11/12/14	L733897-10	<0.001	<0.005	<0.001	<0.003	
RW-6	02/25/14	L750722-11	<0.001	<0.005	<0.001	<0.003	
RW-6	06/16/15	L772255-13	<0.001	<0.005	<0.001	<0.003	
RW-6	08/26/15	L785959-10	<0.001	<0.005	<0.001	<0.003	
RW-6	11/17/15	L802523-10	<0.001	<0.005	<0.001	<0.003	
RW-6	03/08/16	L822589-10	<0.001	<0.005	<0.001	<0.003	
RW-6	05/17/16	L836879-13	<0.001	<0.005	<0.001	<0.003	
RW-6	09/19/16	L860929-10	<0.001	<0.005	<0.001	<0.003	
RW-6	12/14/16	L879214-03	<0.001	<0.001	<0.001	<0.003	
RW-6	02/28/17	L893439-10	<0.001	<0.001	<0.001	<0.003	
RW-6	05/08/17	L908717-13	<0.001	<0.001	<0.001	<0.003	
RW-6	09/15/17	L936890-03	<0.001	<0.001	<0.001	<0.003	
RW-6	11/29/17	L954383-10	<0.001	<0.001	<0.001	<0.003	
RW-6	03/07/18	L976397-10	<0.001	<0.001	<0.001	<0.003	
RW-6	06/13/18	L1001691-13	<0.001	<0.001	<0.001	<0.003	
RW-6	09/05/18	L1023536-10	<0.001	<0.001	<0.001	<0.003	
RW-6	11/28/18	L1048614-10	<0.001	<0.001	<0.001	<0.003	
RW-6	02/12/19	L1069996-10	<0.001	<0.001	<0.001	<0.003	
RW-6	05/08/19	L1097774-12	<0.001	<0.001	<0.001	<0.003	
RW-6	08/22/19	L1132369-10	<0.001	<0.001	<0.001	<0.003	
RW-6	11/06/19	L1158995-11	<0.001	<0.001	<0.001	<0.003	
RW-6	03/18/20	L1158995-11	<0.001	<0.001	<0.001	<0.003	
RW-6	06/17/20	L1231256-13	<0.001	<0.001	<0.001	<0.003	
RW-6	09/16/20	L1263780-12	<0.001	<0.001	<0.001	<0.003	
RW-6	12/23/20	L1300493-11	<0.001	<0.001	<0.001	<0.003	
RW-6	03/25/21	NS	NS	NS	NS	NS	
RW-6	06/18/21	L1369543-13	<0.001	<0.001	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
RW-6	09/16/21	NS	NS	NS	NS	NS	
RW-6	12/16/21	L1444115-11	<0.001	<0.001	<0.001	<0.003	
RW-6	06/23/22	L1509144-13	<0.0000941	<0.000278	<0.000137	<0.000174	
RW-6	09/28/22	L1541769-12	<0.0000941	<0.000278	<0.000137	<0.000174	
RW-6	12/09/22	L1566269-10	<0.000493	<0.000998	<0.000462	<0.00132	
RW-7	11/07/13	L667856-11	<0.001	<0.005	<0.001	<0.003	
RW-7	03/05/14	L686955-11	<0.001	<0.005	<0.001	<0.003	
RW-7	06/03/14	L703477-14	0.00036 J	<0.005	<0.001	<0.003	
RW-7	09/17/14	L722791-11	<0.001	<0.005	<0.001	<0.003	
RW-7	11/12/14	L733897-11	<0.001	<0.005	<0.001	<0.003	
RW-7	02/25/15	L750722-10	<0.001	<0.005	<0.001	<0.003	
RW-7	06/16/15	L772255-14	<0.001	<0.005	<0.001	<0.003	
RW-7	08/26/15	L785959-11	<0.001	<0.005	<0.001	<0.003	
RW-7	11/17/15	L802523-11	<0.001	<0.005	0.000568 J	<0.003	
RW-7	03/08/16	L822589-11	<0.001	<0.005	0.000563 J	<0.003	
RW-7	05/17/16	L836879-14	<0.001	<0.005	0.00052 J	<0.003	
RW-7	09/19/16	L860929-11	<0.001	<0.005	0.000447 J	<0.003	
RW-7	12/14/16	L879214-04	<0.001	<0.001	<0.001	<0.003	
RW-7	02/28/17	L893439-11	<0.001	<0.001	<0.001	<0.003	
RW-7	05/08/17	L908717-14	<0.001	<0.001	<0.001	<0.003	
RW-7	09/15/17	L936890-04	<0.001	<0.001	<0.001	<0.003	
RW-7	11/29/17	L954383-11	<0.001	<0.001	<0.001	<0.003	
RW-7	03/07/18	L976397-11	<0.001	<0.001	<0.001	<0.003	
RW-7	06/13/18	L1001691-14	<0.001	<0.001	<0.001	<0.003	
RW-7	09/05/18	L1023536-11	<0.001	<0.001	0.00381	<0.003	
RW-7	11/28/18	L1048614-11	<0.001	<0.001	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
RW-7	02/12/19	L1069996-11	0.00105	<0.001	0.00771	<0.003	
RW-7	05/08/19	L1097774-13	<0.001	<0.001	0.00363	<0.003	
RW-7	08/22/19	L1132369-11	<0.001	<0.001	0.00122	<0.003	
RW-7	11/06/19	L1158995-12	<0.001	<0.001	<0.001	<0.003	
RW-7	03/18/20	L1201828-11	<0.001	<0.001	<0.001	<0.003	
RW-7	06/17/20	L1231256-14	0.0015	<0.001	0.00556	<0.003	
RW-7	09/16/20	L1263780-13	0.0015	<0.001	<0.001	<0.003	
RW-7	12/23/20	L1300493-12	<0.001	<0.001	0.00355	<0.003	
RW-7	03/25/21	L1331415-08	0.00151	<0.001	0.00108	<0.003	
RW-7	06/18/21	L1369543-14	<0.001	<0.001	0.00179	<0.003	
RW-7	09/16/21	L1405764-07	0.00114	<0.001	0.00126	<0.003	
RW-7	12/16/21	L1444115-12	0.00126	<0.001	<0.001	<0.003	
RW-7	06/23/22	L1509144-14	0.000332 J	<0.000278	0.00104	<0.000174	
RW-7	09/28/22	L1541769-13	0.00175	<0.000278	0.00140	<0.000174	
RW-7	12/09/22	L1566269-11	0.00127 J	<0.000998	0.00103 J	<0.00132	
RW-8	06/03/14	L703477-15	**0.61**	0.31 J	0.63	**1.3**	
RW-8	06/16/15	L772255-15	**2.6**	**1.1**	**1.1**	**2.5**	
RW-8	05/17/16	L836879-15	**0.41**	0.034 J6	0.343	0.617	
RW-8	05/08/17	L908717-15	**0.243**	0.0325	0.326	0.482	
RW-8	06/13/18	L1001691-15	**0.245**	0.027	0.529	**0.657**	
RW-8	05/08/19	L1097774-14	**0.0624**	0.00759	0.126	0.247	
RW-8	06/17/20	L1231256-15	**0.0424**	<0.001	0.115	0.258	
RW-8	06/18/21	L1369543-15	0.00498	<0.001	0.0417	0.0832	
RW-8	09/16/21	L1405764-08	**0.0265**	<0.001	0.0519	0.0913	
RW-8	12/16/21	L1444115-13	0.00562	<0.001	0.0230	0.0545	
RW-8	06/23/22	L1509144-15	0.000989 J	<0.000278	0.0219	0.0533	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOCD No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	

NMOCD: New Mexico Oil Conservation Division
Exceedences of NMOCD Remediation Criteria are shown in ***bold***
[a] *Result is from Run #2*
J: Analyte detected below method detection limit (MDL) but above sample detection limit (SDL)

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

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

CONDITIONS

Action 200560

CONDITIONS

Operator:	OGRID:
PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	34053
	Action Number: 200560
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 2022 Annual Groundwater Monitoring Report: Content Satisfactory 1. Continue PSH recovery on a monthly basis from RW-1 through RW-2 2. Conduct semi-annual sampling and monitoring on wells: MW-1, MW-2, MW-4, MW-6, MW-7, RW-5, RW-6 3. Continue quarterly sampling of monitor wells: MW-3, MW-5, RW-1, RW-2, RW-3, RW-7 and RW-8 4. Please demonstrate that PAH remains below the NMWQCC standards/NMOCD in monitoring wells before requesting discontinuation of this analysis. 5. Submit the annual 2023 Annual Monitoring Report by April 1, 2024.	7/26/2023