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March 14, 2023

Mr. Nelson Velez
EMNRD- Oil Conservation Division
1000 Rio Brazos Road
Aztec, NM 87410

Re: Former Eunice North Gas Plant
2022 Annual Groundwater Monitoring Report
Eunice, Lea County, New Mexico

Dear Mr. Velez,

Please find enclosed the 2022 Annual Groundwater Monitoring Report, prepared for the Former Eunice North Gas Plant, in Eunice, New Mexico.

This Report was prepared by Arcadis U.S., Inc. (Arcadis) on behalf of Chevron Environmental Management Company (CEMC).

Please do not hesitate to call Sonja Zabienski with Arcadis at 720-344-3723 or myself at 832-854-5601, should you have any questions.

Sincerely,

Jason Michelson

Jason Michelson

ARCADIS

Chevron Environmental Management Company

2022 ANNUAL GROUNDWATER MONITORING REPORT

Former Eunice North Gas Plant
Eunice, Lea County, New Mexico

14 March 2023

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2022 ANNUAL GROUNDWATER MONITORING REPORT

Former Eunice North Gas Plant
Eunice, Lea County, New Mexico

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Date:
March 14, 2023

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ACRONYMS AND ABBREVIATIONS

amsl -	above mean sea level
Arcadis -	Arcadis U.S., Inc.
BTEX -	benzene, toluene, ethylbenzene, and xylenes
CV -	coefficient of variation
DRO -	diesel-range organics
Ft/ft -	foot per foot
GRO -	gasoline-range organics
HS -	HydraSleeve™
LNAPL -	light nonaqueous phase liquid
mg/L -	milligram per liter
report -	2022 Annual Groundwater Monitoring Report
S -	sum of trend
Site -	former Eunice North Gas Plant, located in Eunice, Lea County, New Mexico
TDS -	total dissolved solids
USEPA -	United States Environmental Protection Agency
WQCC -	Water Quality Control Commission

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1 INTRODUCTION

On behalf of Chevron Environmental Management Company, Arcadis U.S., Inc. (Arcadis) prepared this 2022 Annual Groundwater Monitoring Report (report) to summarize semiannual groundwater monitoring activities conducted in 2022 at the former Eunice North Gas Plant, located in Eunice, Lea County, New Mexico (Site). Data presented in this report were collected during two semiannual groundwater monitoring events conducted during February and October 2022.

The Site is located approximately 0.5 mile north of Eunice, New Mexico, in the southern half of the southeast quarter of the northeast quarter of Section 28, Township 21 South, Range 27 East based on the Public Land Survey System. The approximately 30-acre Site is bordered by North Main Street to the east and residential areas to the south. The surrounding area is mostly flat, undeveloped grazing land with oil and gas production infrastructure. The Site Location Map is shown on **Figure 1**. The Well Location Map and Monitoring Plan is shown on **Figure 2** and provides additional site details. Additional site background information is provided in **Appendix A**.

The Site and surrounding area are underlain by the Ogallala Formation, which is bounded by claystones, sandstones, and siltstones from the Triassic Chinle Formation. The base of the aquifer contains 5 to 10 feet of gravel, sand, and clay overlain by red and yellow sandstones. Geological cross sections are provided in **Appendix B**.

Construction of a full-scale groundwater remediation system is underway at the Site to address chloride and other site-specific constituents of concern.

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2 GROUNDWATER MONITORING ACTIVITIES

Groundwater at the Site is monitored semiannually from a network of 80 wells (Arcadis 2020). A Groundwater Monitoring Reduction Workplan was submitted in July 2020 and implemented during the second 2020 semiannual event. The spring monitoring event included sampling and gauging 80 wells and the fall event included a reduced set of 32 wells. Well locations and sampling frequency are shown on **Figure 2**. **Table 1** presents a summary of 2022 groundwater monitoring activities. Arcadis performed semiannual groundwater sampling events February 14 through 21 and October 11 and 12, 2022.

2.1 Groundwater Sampling Methodology

Representative groundwater samples were collected within the screened interval of each well under undisturbed conditions using the no-purge HydraSleeve™ (HS) method. After samples were collected, new HS samplers were deployed and remained in the wells until the next monitoring event.

Field parameters including temperature, pH, dissolved oxygen, oxidation-reduction potential, specific conductivity, and turbidity were recorded prior to sample collection using a downhole probe. Samples collected for dissolved metals and dissolved hexavalent chromium were filtered in the field using a 0.45-micron filter. The February and October 2022 field parameter readings are presented in **Tables 3** and **4**, respectively.

2.2 Groundwater Gauging

During both semiannual monitoring events, depth to groundwater and depth to light nonaqueous phase liquid (LNAPL), if present, were gauged in accessible wells using a water level meter, or an oil-water interface probe if LNAPL was anticipated, and measurements were recorded from the top of casing. A potentiometric surface map of the spring 2022 elevations is shown on **Figure 3**. During the spring event, two wells (MW044 and MW078SA) were not accessible for gauging (**Table 1**). During the fall event, one well (MW078SA) was not accessible for gauging. Historical groundwater elevations are presented in **Appendix C**. Data collected during the 2022 semiannual monitoring events indicate the following:

- Groundwater elevations ranged from 3,351.88 feet above mean sea level (amsl; well MW072SA) to 3,382.22 feet amsl (well MW099) during the February 2022 semiannual gauging event.
- Groundwater elevation ranged from 3,352.28 feet amsl (well MW086SA) to 3,385.91 feet amsl (well MW007A) during the October 2022 semiannual gauging event.
- Groundwater elevations during the 2022 period appear to be consistent with historical levels, with groundwater flow to the northeast.
- Groundwater elevation data for the 2022 sampling events are presented in **Table 2**, with historical elevation data provided in **Appendix C**. The annual groundwater potentiometric surface map for February 2022 is shown on **Figure 3**.
- The calculated average gradient is approximately 0.0087 foot per foot (ft/ft) to the northeast; however, the gradient steepens from less than 0.001 ft/ft at the upgradient end of the plume to approximately 0.01 ft/ft at the downgradient end of the plume.

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- LNAPL was measured in MW006 during the fall monitoring event at a thickness of approximately 0.10 foot in 2022. LNAPL has been intermittently measured in well MW006 since 2012, with thicknesses ranging from sheen observations to approximately 3.55 feet. Well MW006 is located within the site boundaries in the northeast, near the former location of a buried metal sump that was removed in 2003. Approximately 740 cubic yards of hydrocarbon-impacted soil were removed and the excavation was backfilled. According to the 2015 Annual Groundwater Monitoring Report (GHD 2016), LNAPL had been observed periodically in wells MW005 and MW006 since the excavation, and unspecified LNAPL remediation and recovery was performed from 2004 to 2011.

2.3 Groundwater Analytical Results

In 2022, groundwater samples were collected from 77 wells during the spring monitoring event and from 30 wells during the fall monitoring event. Additionally, eight duplicate samples were collected during the spring monitoring event and three duplicate samples were collected during the fall monitoring event for quality control purposes. During the events, three wells were not sampled that were included in the sampling plan (**Table 1**), for the following reasons:

- *Well MW006*. LNAPL was present in the monitoring well during spring and fall.
- *Well MW078SA*. This monitoring well was inaccessible or had insufficient water to sample.
- *Well MW044*. The monitoring well was buried and inaccessible.

Samples were sent to Xenco Laboratories in Midland, Texas for analysis of dissolved metals; total dissolved solids (TDS); chloride; benzene, toluene, ethylbenzene, and xylenes (BTEX); diesel-range organics (DRO); and gasoline-range organics (GRO). Analytical results from 2022 were compared to the New Mexico Water Quality Control Commission (WQCC) groundwater standards and are presented in **Tables 5** through **8**. Laboratory reports and data validation results are provided in **Appendix D**. Cumulative summary tables of groundwater analytical results from 1996 through 2017, and 2017 through present are provided in **Appendices E** and **F**, respectively.

2.3.1 Benzene, Toluene, Ethylbenzene, and Xylenes

Groundwater samples collected from six well locations during the spring 2022 monitoring event and two locations during the fall 2022 monitoring event were analyzed by United States Environmental Protection Agency (USEPA) Methods 8021B for BTEX and 8015B for DRO and GRO (**Table 1**). None of the locations sampled during the spring and fall 2022 monitoring event exceeded the WQCC for BTEX. There are no WQCC groundwater standards established for DRO or GRO. Results are presented in **Tables 5** and **6**.

2.3.2 Chloride and Total Dissolved Solids

Groundwater samples collected from 77 wells during the spring monitoring event and from 30 wells during the fall were analyzed by USEPA Methods 300/300.1 and 2540C for chloride and TDS, respectively (**Table 1**). **Figures 4** and **5** present chloride isoconcentrations for the spring and fall 2022 monitoring events, respectively. Results are summarized as follows:

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- *Chloride.* The WQCC standard of 250 milligrams per liter (mg/L) was exceeded at 66 of 77 well locations, with a maximum concentration of 15,700 mg/L (well MW069) in spring 2022. The WQCC standard was exceeded at 26 of 30 locations with a maximum concentration of 8,330 mg/L (well MW069) in fall 2022.
- *TDS.* The WQCC standard of 1,000 mg/L was exceeded at 69 of 77 well locations, with a maximum concentration of 14,300 mg/L (well MW069) in spring 2022. The WQCC standard was exceeded at 29 of 30 locations with a maximum concentration of 17,000 mg/L (well MW069) in fall 2022.

Results for the spring and fall 2022 sampling events are presented in **Tables 7** and **8**, respectively. Historical results are provided in **Appendices E** and **F**.

2.3.3 Dissolved Metals

Groundwater samples were collected from 77 well locations in spring 2022 and 30 well locations in fall 2022 and were analyzed by USEPA Method 6020A for dissolved arsenic, dissolved total chromium, dissolved iron, and dissolved manganese; and by USEPA Method 7196A for dissolved hexavalent chromium (**Table 1**). **Figures 6** through **9** show dissolved chromium and dissolved hexavalent chromium isoconcentrations for the spring and fall monitoring events. Results are summarized as follows:

- *Dissolved arsenic*. The WQCC standard of 0.01 mg/L was exceeded at in 51 of 77 well locations in spring 2022, with a maximum concentration of 0.066 mg/L (well MW037). The WQCC standard was exceeded at 20 of 30 well locations in fall 2022, with a maximum concentration of 0.0193 mg/L (well MW067SA).
- *Dissolved total chromium*. The WQCC standard of 0.05 mg/L was exceeded in 31 of 77 well locations, with a maximum concentration of 3.90 mg/L (well MW058) in spring 2022. The WQCC standard was exceeded at 12 of 30 well locations, with a maximum concentration of 4.06 mg/L (well MW095) in fall 2022. **Figures 6** and **7** show dissolved chromium isoconcentrations during the spring and fall 2022 events, respectively.
- *Dissolved hexavalent chromium*. The WQCC standard of 0.05 mg/L was exceeded in 31 of 77 well locations, with a maximum concentration of 3.43 mg/L (well MW058) in spring 2022. The WQCC standard was exceeded at 11 of 30 well locations, with a maximum concentration of 3.36 mg/L (well MW023) in fall 2022. **Figures 8** and **9** show dissolved hexavalent chromium isoconcentrations during the spring and fall 2022 events, respectively.
- *Dissolved iron*. The WQCC standard of 1 mg/L was exceeded in 9 of 77 well locations, with a maximum concentration of 75.0 mg/L (well MW008M) in spring 2022. The WQCC standard was not exceeded during the fall 2022 monitoring event.
- *Dissolved manganese*. The WQCC standard of 0.2 mg/L was exceeded in 14 of 77 well locations, with a maximum concentration of 7.98 mg/L (well IW010) in spring 2022. The WQCC standard was exceeded at 4 of 30 well locations, with a maximum concentration of 2.55 mg/L (well MW068) in fall 2022.

Analytical results for the spring and fall 2022 sampling events are presented in **Tables 7** and **8**, respectively. Historical results are provided in **Appendices E** and **F**.

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2.4 Chromium and Chloride Trend Analysis

2.4.1 Mann-Kendall Methodology

Mann-Kendall analysis was used to evaluate concentration trends at representative site wells. Wells were selected for trend analysis based on recent data completeness (i.e., at least five data points since the start of HS sampling in spring 2016) and locations within the chromium and chloride plumes to represent conditions within the respective plume areas. Trends are evaluated annually.

The Mann-Kendall trend test is a nonparametric test that determines trends based on ranked data. As such, it is relatively insensitive to outlier values and nondetect concentrations and does not require the data to fit a specific model. The basic Mann-Kendall trend test is performed by listing the concentrations of the constituent of interest in temporal order and computing the differences between a given measurement and earlier measurements (Gilbert 1987; USEPA 2009). Based on USEPA guidance, nondetect values are set to one value less than that of any detections (USEPA 2009). The Mann-Kendall test statistic (sum of trend [S]) is the difference between the number of strictly positive differences and the number of strictly negative differences. If S is positive, an increasing trend is indicated; if S is negative, a decreasing trend is indicated; and if S is near zero, no trend is apparent. Trends with positive or negative S-statistics were accepted as statistically significant for p-values less than or equal to 0.1 (90 percent confidence level). The coefficient of variation (CV) is a quantitative measure that can be used to evaluate if concentrations are stable in cases where a statistically significant trend is not apparent. The CV is calculated as the standard deviation divided by the mean (average) concentration. CV values near or greater than 1 indicate variability in concentrations through time, while lower values indicate stability. Mann-Kendall analyses were performed on data collected after the sampling methodology change to HS that occurred site-wide in spring 2016.

2.4.2 Dissolved Chromium Trend Analysis Results

A table summarizing Mann-Kendall analyses and individual trend charts are provided in **Appendix G**. Results from the Mann-Kendall analyses indicate the following:

- Western and southern plumes (upgradient; offsite):
    - In well MW094, located at the southwestern plume fringe, has had dissolved chromium concentrations that have ranged between 0.316 mg/L (February 2022) and 1.81 mg/L (May 2016). The concentrations indicate a statistically significant decreasing trend. The concentration trends for MW094 are provided in **Appendix G**, **Figure G-1**. All concentrations since HS sampling began have exceeded the NMWQCC groundwater standard for dissolved chromium.
    - Well MW058 dissolved chromium concentrations have ranged between 2.46 mg/L (May 2016) and 3.9 mg/L (February 2022) and indicate a statistically significant increasing trend. The concentration trends for MW058 are provided in **Appendix G**, **Figure G-2**. All concentrations since HS sampling began in spring 2016 have exceeded the NMWQCC groundwater standard for dissolved chromium.
    - Well MW013 dissolved chromium concentrations have remained stable between 0.465 mg/L (October 2022) and 2.54 mg/L (April 2019). The concentration trends for MW013 are provided in **Appendix G**,

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Figure G-3. All concentrations since HS sampling began have exceeded the NMWQCC groundwater standard for dissolved chromium.

- Eastern plume (downgradient; offsite):
  - Well MW041A concentrations have remained stable between 0.189 mg/L (May 2016) and 0.213 mg/L (March 2021). The concentration trends for well MW041A are provided in **Appendix G**, **Figure G-4**. All concentrations since HS sampling began have exceeded the NMWQCC groundwater standard for dissolved chromium.
  - Well MW051SA dissolved chromium concentrations have ranged between 0.0263 mg/L (May 2016) and 0.818 mg/L (May 2017). The timeframe for analysis was adjusted to include data from 2017 to present, as the first data point (May 2016) is significantly lower. Mann-Kendall results for this adjusted time period indicate a statistically significant decreasing trend. The concentration trends for well MW051SA are provided in **Appendix G**, **Figure G-5**. All concentrations since May 2017 have exceeded the NMWQCC groundwater standard for dissolved chromium.
  - In well MW085SA, located just upgradient of the historical injection transect, dissolved chromium concentrations ranged between 0.0101 mg/L (May 2016) and 0.0696 mg/L (September 2020), and indicate a statistically significant increasing trend. The concentration trends for well MW085SA are provided in **Appendix G**, **Figure G-6**. Dissolved chromium has exceeded the NMWQCC groundwater standard from April 2019 to March 2021. It did not exceed the standard during the last sampling event (October 2022).
  - In well MW086SA, located downgradient of the historical injection transect, dissolved chromium concentrations have ranged between 0.0277 mg/L (September 2020) and 0.0762 mg/L (October 2019). Trend direction has been variable since HS sampling began; however, concentrations have remained generally stable as indicated by a CV value of 0.287. The concentration trends for well MW086SA are provided in **Appendix G**, **Figure G-7**. Dissolved chromium was less than the NMWQCC groundwater standard during the most recent monitoring event (October 2022).

Assumed source area concentrations in the southwestern plume fringe are stable to decreasing near well MW094 and may potentially be migrating downgradient within the existing plume to the areas represented by wells MW058 and MW013 given the direction of groundwater flow. Concentrations are remaining stable near MW041A and decreasing at local hotspots (well MW051SA) within the plume core, downgradient of the Site. Increasing chromium concentrations at the leading edge (well MW085SA) may indicate a natural plume progression and potential rebound especially because no active treatment is implemented at this time. A summary map of the dissolved chromium trend analyses is provided in **Appendix G**, **Figure G-8**.

2.4.3 Chloride Trend Analysis Results

A table summarizing Mann-Kendall analyses and individual trend charts are provided in **Appendix G**. Results from the Mann-Kendall analyses indicate the following:

- Western and southern plumes (offsite):
  - In well MW069, located on the westernmost plume fringe, chloride concentrations ranged between 715 mg/L (September 2017) and 20,900 mg/L (May 2016). Trend direction has been

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variable, but concentrations appear to have stabilized since increasing in April 2019. The concentration trends for well MW069 are provided in **Appendix G**, **Figure G-9**. All concentrations have exceeded the NMWQCC groundwater standard for chloride.

- Well MW094 chloride concentrations have ranged between 637 mg/L (February 2022) and 1,130 mg/L (May 2016) and indicate a statistically significant decreasing trend. The concentration trends for well MW094 are provided in **Appendix G**, **Figure G-10**. All results since HS sampling began have exceeded the NMWQCC groundwater standard for chloride.
- Well MW032, located on the southern-most plume fringe, chloride concentrations ranged between 231 mg/L (May 2016) and 430 mg/L (October 2022). The concentration trends for well MW032 are provided in **Appendix G**, **Figure G-11**. Chloride concentrations indicate a statistically significant increasing trend over the analysis period.
- Well MW058 chloride concentrations have remained stable between 995 J mg/L (May 2017) and 1,330 mg/L (March 2021). The concentration trends for well MW058 are provided in **Appendix G**, **Figure G-12.** All concentrations since HS sampling began have exceeded the NMWQCC groundwater standard chloride.
- Well MW013 chloride concentrations have ranged between 255 mg/L (September 2017) and 978 mg/L (March 2021), and do not indicate a statistically significant trend. The concentration trends for well MW013 are provided in **Appendix G**, **Figure G-13**. All results have exceeded the NMWQCC groundwater standard for chloride.

- Onsite plume:
  - Well MW047 chloride concentrations were between 162 mg/L (October 2022) and 604 J mg/L (February 2022) and indicate a statistically significant decreasing trend. The concentration trends for well MW047 are provided in **Appendix G**, **Figure G-14**.
- Eastern plume (offsite):
  - Well MW041A chloride concentrations have remained stable between 377 mg/L (September 2017) and 488 mg/L (October 2019). The concentration trends for well MW041A are provided in **Appendix G**, **Figure G-15**. All results have exceeded the NMWQCC groundwater standard for chloride.
  - Well MW051SA chloride concentrations do not have a statistically significant trend and have ranged between 1,030 mg/L (March 2020) and 1,360 mg/L (April 2018). The concentration trends for well MW051SA are provided in **Appendix G**, **Figure G-16**. All results since HS sampling began have exceeded the NMWQCC groundwater standard for chloride.
  - In well MW085SA, located just upgradient of the historical injection well transect, chloride concentrations have ranged from 1,070 mg/L (March 2021) and 1,650 mg/L (September 2018). Mann-Kendall trend analysis does not indicate a statistically significant trend at 90 percent confidence but remain stable, as indicated by a CV less than 1. The concentration trends for well MW085SA are provided in **Appendix G**, **Figure G-17**. All concentrations have exceeded the NMWQCC groundwater standard for chloride.

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- In well MW073SA, located just downgradient of the historical injection transect, chloride concentrations have ranged between 189 mg/L (March 2018) and 2,100 mg/L (October 2019). Analysis does not indicate a statistically significant trend and concentrations are variable as indicated by a CV close to 1. The concentration trends for well MW073SA are provided in **Appendix G**, **Figure G-18**. Chloride concentrations have exceeded the NMWQCC groundwater standard since September 2018.
- Well MW086SA chloride concentrations have ranged between 907 mg/L (October 2022) and 1,470 mg/L (May 2017). The chloride concentrations have been analyzed using Mann-Kendall analysis since May 2017. Analysis does not indicate a statistically significant trend. The concentration trends for well MW086SA are provided in **Appendix G**, **Figure G-19**. All concentrations have exceeded the NMWQCC groundwater standard for chloride.
- Well MW100, located on the northern-most downgradient plume fringe, chloride concentrations have ranged from 667 J mg/L (September 2017) and 1,100 mg/L (February 2022). Mann-Kendall trend analysis indicates a statistically significant increasing trend. The concentration trends for well MW100 are provided in **Appendix G**, **Figure G-20**. All concentrations have exceeded the NMWQCC standard for chloride.

Stable trend directions indicated at the assumed upgradient source area represented by well MW069, and an increasing trend at upgradient well MW032, potentially indicate that a chloride source is still contributing to the overall plume to a variable extent; however, stable to decreasing trends within the central plume area (including onsite at well MW047) could suggest that the impact of the upgradient source is not impacting the stability of the center of the plume at this time. Stable to increasing concentrations downgradient of the Site could indicate natural fluctuations within the plume footprint and potential concentration migration within the plume, especially because no active treatment is implemented at this time. No statistically significant trends near the leading edge of the plume at well MW086SA or the southeastern edge (well MW073SA) but increasing trends at the northern edge (well MW100) indicate variable behavior within the plume at the leading edge, potentially attributed to naturally occurring fluctuations since no active treatment is implemented at this time. A summary map of the chloride trend analyses is provided in **Appendix G**, **Figure G-21**.

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3 SUMMARY

The 2022 monitoring and investigation activities indicated the following:

- Groundwater analytical results are consistent with historical concentrations observed.
- Mann-Kendall trend analyses indicate that trends for the dissolved total chromium plume vary across the plume area, with an increasing trend seen along the leading edge of the plume (well MW085SA). Concentration trends for the chloride plume indicate that the central and onsite plume area is decreasing, although chloride concentrations along the southern plume fringe and the northern and southern portions of the leading edge are increasing. At this time, trend results appear to be within expectations for the chloride and chromium plumes, especially because no active treatment is currently implemented.

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TABLES

Table 1
Summary of 2022 Groundwater Monitoring Activities
2022 Annual Groundwater Monitoring Report
Former Eunice South Gas Plant
Eunice, Lea County, New Mexico

Monitoring Well ID	Groundwater Elevation	Field Water Quality Parameters	BTEX (8021B)	GRO (8015B)	DRO (8015B)	Dissolved Metals (6020A)	Hexavalent Chromium (7196A)	Chloride (300.0)	TDS (2540C)	Notes
MW-1	x/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	LNAPL
MW-2	x/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	LNAPL
MW-3	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	
MW-4	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	
MW-5	x/--	--/--	--/--	--/--	--/--	--/--	--/--	--/--	--/--	LNAPL
MW-6	x/--	--/--	--/--	--/--	--/--	--/--	--/--	--/--	--/--	LNAPL
MW-7	x/--	--/--	--/--	--/--	--/--	--/--	--/--	--/--	--/--	LNAPL
MW-8	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	
MW-9	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	
MW-10	x/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	LNAPL
MW-11	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	
MW-12	x/--	--/--	--/--	--/--	--/--	--/--	--/--	--/--	--/--	LNAPL
MW-13	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	
MW-14	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	
MW-15	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	DUP-01/DUP-01
MW-16	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	
MW-17	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	
MW-18	(x)/--	--/--	--/--	--/--	--/--	--/--	--/--	--/--	--/--	obstruction in well
MW-19	x/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	LNAPL
MW-20	x/--	--/--	--/--	--/--	--/--	--/--	--/--	--/--	--/--	LNAPL
MW-21	x/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	LNAPL
MW-22	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	
MW-23	x/--	--/--	--/--	--/--	--/--	--/--	--/--	--/--	--/--	
MW-24	x/x	(x)/x	(x)/x	(x)/x	(x)/x	(x)/x	(x)/x	(x)/x	(x)/x	Sample data not available for spring
MW-25	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	DUP-04/--
MW-26	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	
MW-27	x/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	LNAPL
MW-28	x/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	LNAPL
MW-29	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	
MW-30	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	
MW-31	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	
MW-32	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	
MW-34	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	DUP-03/DUP-02
MW-35	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	
MW-36	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	
MW-37	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	
MW-38	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	
MWD-1	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	
MWD-2	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	
MWD-3	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	
MWD-4	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	
MWD-5	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	
MWD-6	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	
MWD-7	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	
MWD-8	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	
MWD-9	x/x	(x)/(x)	(x)/(x)	(x)/(x)	(x)/(x)	(x)/(x)	(x)/(x)	(x)/(x)	(x)/(x)	Well damaged due to excess sand in well.
MWD-11	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	
MWD-12	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	
MWD-13	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	
MWD-14	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	
MWD-15	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	Obstruction in well.

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Table 1
Summary of 2022 Groundwater Monitoring Activities
2022 Annual Groundwater Monitoring Report
Former Eunice South Gas Plant
Eunice, Lea County, New Mexico

Monitoring Well ID	Groundwater Elevation	Field Water Quality Parameters	BTEX (8021B)	GRO (8015B)	DRO (8015B)	Dissolved Metals (6020A)	Hexavalent Chromium (7196A)	Chloride (300.0)	TDS (2540C)	Notes
MWD-17	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	
RW-1	x/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	LNAPL
RW-2	x/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	LNAPL
RW-3	x/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	LNAPL
RW-4	x/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	LNAPL
RW-5	x/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	LNAPL
RW-6	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	
RW-7	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	
RW-8	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	
TMW-1	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	DUP-02/
TMW-2	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	(x)/--	Obstruction in well. Unable to gauge.
TMW-3	x/--	--/--	--/--	--/--	--/--	--/--	--/--	--/--	--/--	Gauging data unavailable
TMW-6	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	
WW-2	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	
WW-7	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	x/--	

Acronyms and Abbreviations:

BTEX = benzene, toluene, ethylbenzene, and xylenes

DRO = diesel-range organics

GRO = gasoline-range organics

ID = identification

LNAPL = light nonaqueous phase liquid

TDS = total dissolved solids

x / x = spring sampling event/fall sampling event

x = sample planned and collected

(x) = sample planned and not collected

-- = no sample planned during event

Table 2
Spring 2022 Field Parameters
2022 Annual Groundwater Monitoring Report
Former Eunice South Gas Plant
Eunice, Lea County, New Mexico

Location ID	Date	Dissolved Oxygen	Oxidation-Reduction Potential	pH	Specific Conductivity	Temperature	Turbidity
		mg/L	mV	SU	µS/cm	°C	NTU
MW-3	2/23/2022	5.23	145	8.48	1.29	8.48	2.6
MW-4	2/23/2022	5.72	-132	7.03	7.30	13.72	0.0
MW-8	2/24/2022	10.65	-77	6.76	3.65	15.74	2.6
MW-9	2/23/2022	0.60	-39	6.16	1.86	13.82	12.2
MW-11	2/25/2022	0.21	-63	6.70	1.81	12.31	41.5
MW-13	2/23/2022	15.36	61	6.60	1.67	13.50	77.9
MW-14	2/23/2022	6.26	134	6.24	2.61	10.49	116
MW-15	2/23/2022	13.37	197	5.60	4.73	7.90	256
MW-16	2/23/2022	13.37	178	5.41	6.16	12.56	96.9
MW-17	2/23/2022	1.33	-146	6.40	4.55	12.61	0.0
MW-22	2/24/2022	1.89	-222	7.06	15.6	14.65	0.0
MW-24	2/25/2022	0.21	-63	6.70	1.81	12.31	41.5
MW-25	2/25/2022	1.68	-228	7.72	13.1	10.89	0.0
MW-26	2/25/2022	13.37	178	5.41	6.16	12.31	96.9
MW-29	2/23/2022	8.64	-77	6.81	2.27	15.43	14.2
MW-30	2/23/2022	3.06	134	6.54	2.09	13.02	29.6
MW-31	2/23/2022	12.84	-85	6.54	2.40	15.35	22.7
MW-32	2/25/2022	2.01	-76	6.76	4.24	12.22	31.1
MW-34	2/24/2022	4.03	-76	7.06	2.45	18.25	0.00
MW-35	2/23/2022	11.20	-27	6.62	1.30	12.02	34.0
MW-36	2/23/2022	10.10	143	6.54	2.02	12.22	35.6
MW-37	2/23/2022	14.19	-85	6.70	1.77	15.37	25.8
MW-38	2/23/2022	12.73	-48	6.69	3.25	15.30	18.7
MWD-1	2/24/2022	1.55	-68	6.50	3.27	11.64	0.0
MWD-2	2/23/2022	1.81	16	7.16	4.51	15.22	0.0
MWD-3	2/24/2022	1.52	-224	6.70	18.6	14.03	7.9
MWD-4	2/24/2022	2.20	-201	6.31	2.06	10.47	19.5
MWD-5	2/24/2022	4.39	-46	7.10	3.06	17.19	0.00
MWD-6	2/24/2022	4.03	-55	6.94	1.75	18.10	0.00
MWD-7	2/24/2022	1.62	-28	6.40	18.6	13.98	0.0
MWD-8	2/23/2022	5.24	-1	7.20	1.11	14.81	1.7

Table 2
Spring 2022 Field Parameters
2022 Annual Groundwater Monitoring Report
Former Eunice South Gas Plant
Eunice, Lea County, New Mexico

Location ID	Date	Dissolved Oxygen	Oxidation-Reduction Potential	pH	Specific Conductivity	Temperature	Turbidity
		mg/L	mV	SU	µS/cm	°C	NTU
MWD-11	2/23/2022	3.53	-26	6.74	1.65	8.7	11.3
MWD-12	2/23/2022	6.14	-218	7.57	5.77	17.01	0.0
MWD-13	2/25/2022	1.72	-70	6.85	12.3	12.54	0.0
MWD-14	2/25/2022	1.20	-244	7.65	6.77	13.55	0.0
MWD-15	2/24/2022	0.94	-179	5.73	6.30	9.88	35.5
MWD-17	2/24/2022	2.53	-249	7.36	20.3	15.64	0.0
RW-6	2/24/2022	1.88	-218	7.32	5.64	15.86	0.0
RW-7	2/24/2022	2.87	-63	7.57	13.3	14.20	0.0
RW-8	2/23/2022	1.96	-210	7.17	5.86	11.07	0.0
TMW-1	2/23/2022	2.22	-172	7.41	2.50	7.41	0.0
TMW-6	2/25/2022	19.06	-75	6.89	1.70	12.90	66.1
WW-2	2/23/2022	2.42	-78	6.93	1.96	13.39	76.7
WW-7	2/23/2022	2.42	-134	7.01	0.847	13.43	138

Acronyms and Abbreviations:

ID = identification

mg/L = milligrams per liter

mV = millivolts

NTU = nephelometric turbidity unit

SU = standard unit

µS/cm = microSiemens per centimeter

°C = degrees Celsius

-- = Not detected/ Not Measured

Table 3
Fall 2022 Field Parameters
2022 Annual Groundwater Monitoring Report
Former Eunice South Gas Plant
Eunice, Lea County, New Mexico

Location ID	Date	Dissolved Oxygen	Oxidation-Reduction Potential	pH	Specific Conductivity	Temperature	Turbidity
		mg/L	mV	SU	mS/cm	°C	NTU
MW-11	9/28/2022	0.07	-151	6.80	1.70	27.19	0.00
MW-15	9/27/2022	--	--	--	--	--	--
MW-16	9/27/2022	1.89	0.69	--	7.16	24.79	368
MW-17	9/28/2022	1.12	-21	6.23	3.01	20.21	0.00
MW-24	9/28/2022	0.25	-158	7.07	2.30	23.01	0.00
MW-25	9/28/2022	0.12	-129	6.90	10.2	27.33	0.00
MW-26	9/28/2022	0.29	-121	6.52	1.93	21.84	0.00
MW-29	9/27/2022	0.23	-172	8.29	2.62	27.03	0.00
MW-30	9/27/2022	3.27	-79	7.84	2.18	26.54	0.00
MW-32	9/27/2022	0.65	-191	8.41	5.14	26.14	0.00
MW-34	9/27/2022	--	--	--	--	--	--
MW-35	9/27/2022	1.10	-55	6.04	1.49	21.43	0.00
MW-38	9/27/2022	1.37	-137	6.04	1.49	23.14	0.00
MWD-9	9/28/2022	--	--	--	--	--	--
MWD-12	9/28/2022	0.90	-102	8.13	4.93	25.74	0.00
MWD-13	9/27/2022	0.87	-51	6.99	14.4	25.35	0.00
MWD-14	9/28/2022	0.00	-136	7.66	5.42	27.14	0.00
MWD-15	9/28/2022	0.89	-149	6.81	5.09	23.87	0.00
MWD-3	9/28/2022	0.22	-171	7.24	24.3	25.52	0.00
RW-6	9/28/2022	7.55	-113	7.70	4.50	26.28	0.00

Acronyms and Abbreviations:

°C = degrees Celsius

ID = identification

mg/L = milligrams per liter

mV = millivolts

NTU = nephelometric turbidity unit

SU = standard unit

mS/cm = milliSiemens per centimeter

Table 4
2022 Groundwater Elevations
2022 Annual Groundwater Monitoring Report
Former Eunice South Gas Plant
Eunice, Lea County, New Mexico

ARCADIS

Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet btoc)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	LNAPL Specific Gravity	Uncorrected Groundwater Elevation (feet amsl)	Corrected Groundwater Elevation (feet amsl)[1]
MW-1	2/22/2022	3335.09	54.80	53.35	1.45	0.74	3280.29	3281.36
MW-2	2/22/2022	3335.70	52.99	51.46	1.53	0.74	3282.71	3283.84
MW-3	2/22/2022	3339.65	55.33	NM	NA	NA	3284.32	3284.32
MW-4	2/22/2022	3333.25	49.47	NM	NA	NA	3283.78	3283.78
MW-5	2/22/2022	3333.85	53.34	50.38	2.96	0.82	3280.51	3282.94
MW-6	2/25/2022	3332.33	49.71	NM	NA	NA	3282.62	3282.62
MW-7	2/25/2022	3330.43	47.92	NM	NA	NA	3282.51	3282.51
MW-8	2/22/2022	3330.59	48.96	NM	NA	NA	3281.63	3281.63
MW-9	2/22/2022	3334.73	53.09	NM	NA	NA	3281.64	3281.64
MW-10	2/22/2022	3336.38	52.63	50.85	1.78	0.74	3283.75	3285.07
MW-11	2/22/2022	3334.86	51.55	NM	NA	0.72	3283.31	3283.31
MW-11	9/27/2022	3334.86	51.37	NM	NA	NA	3283.49	3283.49
MW-12	2/22/2022	3333.88	51.19	50.22	0.97	0.72	3282.69	3283.39
MW-13	2/22/2022	3336.15	54.95	NM	NA	NA	3281.20	3281.20
MW-14	2/22/2022	3333.04	52.15	NM	NA	NA	3280.89	3280.89
MW-15	2/22/2022	3328.98	47.27	NM	NA	NA	3281.71	3281.71
MW-15	9/27/2022	3328.98	36.98	NM	NA	NA	3292.00	3292.00
MW-16	2/22/2022	3330.20	47.27	NM	NA	NA	3282.93	3282.93
MW-16	9/27/2022	3330.20	47.05	NM	NA	NA	3283.15	3283.15
MW-17	2/22/2022	3334.32	50.69	NM	NA	NA	3283.63	3283.63
MW-17	9/27/2022	3334.32	50.69	NM	NA	NA	3283.63	3283.63
MW-19	2/22/2022	3334.21	51.71	49.92	1.79	0.82	3282.50	3283.97
MW-20	2/22/2022	3334.06	53.24	50.57	2.67	0.82	3280.82	3283.01
MW-21	2/22/2022	3333.02	51.49	49.82	1.67	0.82	3281.53	3282.90
MW-22	2/22/2022	3334.87	51.88	NM	NA	NA	3282.99	3282.99
MW-23	2/22/2022	3334.45	51.10	NM	NA	NA	3283.35	3283.35
MW-24	2/22/2022	3336.97	53.49	NM	NA	0.74	3283.48	3283.48
MW-24	9/27/2022	3336.97	53.27	NM	NA	NA	3283.70	3283.70
MW-25	2/22/2022	3336.31	51.09	NM	NA	NA	3285.22	3285.22
MW-25	9/27/2022	3336.31	51.03	NM	NA	NA	3285.28	3285.28
MW-26	2/22/2022	3334.93	51.79	NM	NA	0.72	3283.14	3283.14
MW-26	9/27/2022	3334.93	51.61	NM	NA	0.72	3283.32	3283.32
MW-27	2/22/2022	3334.96	53.44	52.14	1.30	0.72	3281.52	3282.46
MW-28	2/22/2022	3333.04	54.76	53.10	1.66	0.72	3278.28	3279.48
MW-29	2/22/2022	3334.01	52.15	NM	NA	NA	3281.86	3281.86
MW-29	9/27/2022	3334.01	51.97	NM	NA	NA	3282.04	3282.04
MW-30	2/22/2022	3336.49	54.49	NM	NA	NA	3282.00	3282.00
MW-30	9/27/2022	3336.49	54.60	NM	NA	NA	3281.89	3281.89
MW-31	2/22/2022	3334.52	53.73	NM	NA	NA	3280.79	3280.79
MW-32	2/22/2022	3333.01	50.63	NM	NA	NA	3282.38	3282.38
MW-32	9/27/2022	3333.01	50.59	NM	NA	NA	3282.42	3282.42
MW-34	2/22/2022	3335.77	53.27	NM	NA	NA	3282.50	3282.50
MW-34	9/27/2022	3335.77	52.83	NM	NA	NA	3282.94	3282.94
MW-35	2/22/2022	NM	66.35	NM	NA	NA	NM	NM
MW-35	9/27/2022	NM	56.04	NM	NA	NA	NM	NM
MW-36	2/22/2022	NM	60.54	NM	NA	NA	NM	NM
MW-37	2/22/2022	NM	56.16	NM	NA	NA	NM	NM
MW-38	2/22/2022	NM	50.14	NM	NA	NA	NM	NM
MW-38	9/27/2022	NM	50.32	NM	NA	NA	NM	NM
MWD-1	2/22/2022	3335.26	51.46	NM	NA	NA	3283.80	3283.80
MWD-2	2/22/2022	3336.32	52.38	NM	NA	NA	3283.94	3283.94
MWD-3	2/22/2022	3335.06	51.84	NM	NA	NA	3283.22	3283.22
MWD-3	9/27/2022	3335.06	51.88	NM	NA	NA	3283.18	3283.18
MWD-4	2/22/2022	3330.86	48.53	NM	NA	NA	3282.33	3282.33
MWD-5	2/22/2022	3334.01	51.62	NM	NA	NA	3282.39	3282.39
MWD-6	2/22/2022	3335.08	53.00	NM	NA	NA	3282.08	3282.08
MWD-7	2/22/2022	3332.82	49.73	NM	NA	NA	3283.09	3283.09
MWD-8	2/22/2022	3335.97	52.03	NM	NA	NA	3283.94	3283.94
MWD-9	2/22/2022	3333.45	50.47	NM	NA	NA	3282.98	3282.98
MWD-9	9/27/2022	3333.45	50.50	NM	NA	NA	3282.95	3282.95

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Table 4
2022 Groundwater Elevations
2022 Annual Groundwater Monitoring Report
Former Eunice South Gas Plant
Eunice, Lea County, New Mexico

Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet btoc)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	LNAPL Specific Gravity	Uncorrected Groundwater Elevation (feet amsl)	Corrected Groundwater Elevation (feet amsl)[1]
MWD-11	2/22/2022	3338.24	54.40	NM	NA	NA	3283.84	3283.84
MWD-12	2/22/2022	3334.08	51.94	NM	NA	NA	3282.14	3282.14
MWD-12	9/27/2022	3334.08	51.82	NM	NA	NA	3282.26	3282.26
MWD-13	2/22/2022	3332.11	49.79	NM	NA	NA	3282.32	3282.32
MWD-13	9/27/2022	3332.11	49.58	NM	NA	NA	3282.53	3282.53
MWD-14	2/22/2022	3333.76	51.93	NM	NA	NA	3281.83	3281.83
MWD-14	9/27/2022	3333.76	50.63	NM	NA	NA	3283.13	3283.13
MWD-15	2/22/2022	3335.35	51.63	NM	NA	NA	3283.72	3283.72
MWD-15	9/27/2022	3335.35	51.62	NM	NA	NA	3283.73	3283.73
MWD-17	2/22/2022	3334.74	51.51	NM	NA	NA	3283.23	3283.23
RW-1	2/22/2022	3335.19	53.08	51.34	1.74	0.74	3282.11	3283.40
RW-2	2/22/2022	3337.84	56.72	55.23	1.49	0.74	3281.12	3282.22
RW-3	2/22/2022	3338.06	55.77	55.76	0.01	0.72	3282.29	3282.30
RW-4	2/22/2022	3334.14	55.41	53.68	1.73	0.72	3278.73	3279.98
RW-5	2/22/2022	3334.20	55.08	54.64	0.44	0.72	3279.12	3279.44
RW-6	2/22/2022	3332.37	49.54	NM	NA	NA	3282.83	3282.83
RW-6	9/27/2022	3332.37	49.61	NM	NA	NA	3282.76	3282.76
RW-7	2/22/2022	3331.23	50.76	NM	NA	NA	3280.47	3280.47
RW-8	2/22/2022	3333.39	49.70	NM	NA	NA	3283.69	3283.69
TMW-1	2/22/2022	3337.70	53.76	NM	NA	NA	3283.94	3283.94
TMW-6	2/22/2022	3335.36	51.56	NM	NA	NA	3283.80	3283.80
WW-2	2/22/2022	3331.46	49.46	NM	NA	NA	3282.00	3282.00
WW-7	2/22/2022	3331.73	50.52	NM	NA	NA	3281.21	3281.21

Note:

1. Corrected groundwater elevations are corrected using an assumed LNAPL specific gravity of determined during LNAPL transmissivity testing. The formula used to correct groundwater elevation is as follows:

$$Corrected\ GW\ Elevation = TOC\ Elevation - (DTW - LNAPL\ Thickness * LNAPL\ Specific\ Gravity)$$

Acronyms and Abbreviations:

amsl = above mean sea level

btoc = below top of casing

DTW = depth to groundwater

GW = groundwater

ID = identification

LNAPL = light nonaqueous phase liquid

NA = not applicable

NM = not measured

TOC = top of casing

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Table 5
Spring 2022 BTEX Analytical Data
2022 Annual Groundwater Monitoring Report
Former Eunice South Gas Plant
Eunice, Lea County, New Mexico

Location ID	Date Sampled	Analyte	Benzene		Toluene		Ethylbenzene		Total Xylenes		DRO		GRO	
		Unit	mg/L											
		NMWQCC Standard	0.005		1		0.7		0.62		NA		NA	
MW-3	2/23/2022	REG	0.00200	U	**0.000689**	**J**	0.00200	U	0.00400	U	4.49	U	4.49	U
MW-4	2/23/2022	REG	0.00200	U	**0.000559**	**J**	0.00200	U	0.00400	U	4.55	U	4.55	U
MW-8	2/24/2022	REG	0.00200	U	0.00200	U	0.00200	U	0.00400	U	4.53	U	4.53	U
MW-9	2/24/2022	REG	0.00200	U	0.00200	U	0.00200	U	0.00400	U	4.49	U	4.49	U
MW-11	2/25/2022	REG	**1.25**		0.00200	U	0.02000	U	**0.00689**	**J**	4.48	U	**1.26**	**J**
MW-13	2/23/2022	REG	0.00200	U	0.00200	U	0.00200	U	0.00400	U	4.46	U	4.46	U
MW-14	2/24/2022	REG	0.00200	U	0.00200	U	0.00200	U	0.00400	U	4.52	U	4.52	U
MW-15	2/23/2022	REG	0.00200	U	0.00200	U	0.00200	U	0.00400	U	4.57	U	4.57	U
MW-15	2/23/2022	FD	0.00200	U	**0.000403**	**J**	0.00200	U	0.00400	U	4.49	UJ	4.49	UJ
MW-16	2/23/2022	REG	0.00200	U	0.00200	U	0.00200	U	0.00400	U	4.55	U	4.55	U
MW-17	2/24/2022	REG	0.00200	U	0.00200	U	0.00200	U	0.00400	U	4.53	U	4.53	U
MW-22	2/24/2022	REG	**0.00169**	**J**	0.00200	U	0.00200	U	0.00400	U	4.48	U	**1.34**	**J**
MW-25	2/25/2022	REG	**0.959**	**D J**	0.00200	U	**0.0183**	**J**	0.00400	U	4.45	U	4.45	U
MW-25	2/25/2022	FD	**1.19**	**D J**	0.00200	U	**0.0159**	**J**	0.00400	U	4.45	U	**1.11**	**J**
MW-26	2/25/2022	REG	**0.371**		0.02000	U	0.00200	U	0.00400	U	**4.31**	**J**	4.49	U
MW-29	2/24/2022	REG	0.00200	U	0.00200	U	0.00200	U	0.00400	U	4.50	U	**2.33**	**J**
MW-30	2/24/2022	REG	**0.00119**	**J**	0.00200	U	0.00200	U	0.00400	U	4.48	U	4.48	U
MW-31	2/23/2022	REG	0.00200	U	0.00200	U	0.00200	U	0.00400	U	4.53	UJ	4.53	UJ
MW-32	2/25/2022	REG	**0.595**	**D J**	0.00200	U	0.00200	U	**0.000644**	**J**	**1.81**	**J**	4.49	U
MW-34	2/24/2022	REG	0.00200	U	0.00200	U	0.00200	U	0.00400	U	**1.05**	**J**	**1.43**	**J**
MW-34	2/24/2022	FD	0.00200	U	0.00200	U	0.00200	U	0.00400	U	**1.07**	**J**	**1.08**	**J**
MW-35	2/23/2022	REG	0.00200	U	0.00200	U	0.00200	U	0.00400	U	4.46	U	4.46	U
MW-36	2/23/2022	REG	0.00200	UJ	0.00200	UJ	0.00200	UJ	0.00400	UJ	4.48	U	4.48	U
MW-37	2/23/2022	REG	0.00200	U	0.00200	U	0.00200	U	0.00400	U	4.53	UJ	4.53	UJ
MW-38	2/23/2022	REG	0.00200	U	0.00200	U	0.00200	U	0.00400	U	4.55	U	4.55	U
MWD-1	2/24/2022	REG	0.00200	U	0.00200	U	0.00200	U	0.00400	U	4.53	U	4.53	U
MWD-2	2/23/2022	REG	0.00200	U	**0.000428**	**J**	0.00200	U	0.00400	U	4.52	U	4.52	U
MWD-3	2/24/2022	REG	**1.95**	**D J**	0.00200	U	**0.00139**	**J**	0.00400	U	4.49	U	**1.65**	**J**
MWD-4	2/25/2022	REG	**0.00222**		0.00200	U	0.00200	U	0.00400	U	4.49	U	4.49	U
MWD-5	2/24/2022	REG	**3.45**	**D J**	**0.00160**	**J**	**0.00745**	**J**	**0.00141**	**J**	**4.10**	**J**	**15.1**	
MWD-6	2/24/2022	REG	0.00200	U	0.00200	U	0.00200	U	0.00400	U	4.53	U	4.53	U

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Table 5
Spring 2022 BTEX Analytical Data
2022 Annual Groundwater Monitoring Report
Former Eunice South Gas Plant
Eunice, Lea County, New Mexico

Location ID	Date Sampled	Analyte	Benzene		Toluene		Ethylbenzene		Total Xylenes		DRO		GRO	
		Unit	mg/L											
		NMWQCC Standard	0.005		1		0.7		0.62		NA		NA	
MWD-7	2/24/2022	REG	0.00200	U	0.00200	UJ	0.00200	UJ	0.00400	U	4.55	U	4.55	U
MWD-8	2/23/2022	REG	0.00200	U	**0.000438**	**J**	0.00200	U	0.00400	U	4.49	U	4.49	U
MWD-11	2/23/2022	REG	0.00200	U	**0.000460**	**J**	0.00200	U	0.00400	U	4.45	UJ	4.45	UJ
MWD-12	2/24/2022	REG	0.00200	U	0.00200	U	**0.0993**	**J**	**0.00917**		**1.40**	**J**	**1.53**	**J**
MWD-13	2/25/2022	REG	0.00200	U	0.00200	U	0.00200	U	0.00400	U	4.50	U	4.50	U
MWD-14	2/25/2022	REG	**0.211**	**D**	0.00200	U	**0.0425**		**0.00302**	**J**	4.50	U	4.50	U
MWD-15	2/24/2022	REG	0.00200	U	0.00200	U	0.00200	U	0.00400	U	**1.17**	**J**	**2.40**	**J**
MWD-17	2/24/2022	REG	**0.0238**		0.00200	U	0.00200	U	0.00400	U	4.49	U	**1.52**	**J**
RW-6	2/24/2022	REG	0.00200	U	0.00200	U	0.00200	U	**0.00236**	**J**	**1.10**	**J**	**1.32**	**J**
RW-7	2/24/2022	REG	0.00200	U	0.00200	U	0.00200	U	0.00400	U	4.48	U	4.48	U
RW-8	2/23/2022	REG	0.00200	U	**0.000435**	**J**	0.00200	U	0.00400	U	4.45	U	4.45	U
TMW-1	2/23/2022	REG	**0.00177**	**J**	**0.000554**	**J**	**0.00163**	**J**	0.00400	U	4.48	U	4.48	U
TMW-1	2/23/2022	FD	**0.00200**		**0.000509**	**J**	**0.00165**	**J**	0.00400	U	4.48	U	4.48	U
TMW-6	2/25/2022	REG	**0.00435**	**J**	0.02000	U	0.00200	U	0.04000	U	4.49	U	4.49	U
WW-2	2/24/2022	REG	**0.0429**		0.00200	U	0.00200	U	0.00400	U	4.53	U	4.53	U
WW-7	2/24/2022	REG	**0.00944**	**J**	0.00200	U	**0.00596**	**J**	**0.0457**	**J**	4.49	U	**0.889**	**J**

Acronyms and Abbreviations:

bold = detected analytes

BTEX = benzene, toluene, ethylbenzene, and xylene

DRO = diesel-range organics

FD = field duplicate sample

GRO = gasoline-range organics

ID = identification

mg/L = milligrams per liter

NMWQCC = New Mexico Water Quality Control Commission

NA = Not applicable- no standard available

REG = regular field sample

shading = analytes exceeding the NMWQCC Standard

Qualifiers:

J = estimated value

U = nondetect

UJ = The compound was not detected above the reported sample quantitation limit. However, the reportedlimit is approximate and may or may not represent the actual limit of quantitation

D = diluted sample

Table 6
Fall 2022 BTEX Analytical Data
2022 Annual Groundwater Monitoring Report
Former Eunice South Gas Plant
Eunice, Lea County, New Mexico

Location ID	Date Sampled	Analyte	Benzene		Toluene		Ethylbenzene		Total Xylenes		DRO		GRO	
		Unit	mg/L											
		NMWQCC Standard	0.005		1		0.7		0.62		NA		NA	
MW-11	9/29/2022	REG	**5.19**	**D**	**0.00390**	**J**	0.02000	U	**0.0152**	**J**	4.55	U	**15.8**	
MW-15	9/27/2022	REG	0.00200	U	0.00200	U	0.00200	U	0.00400	U	4.57	U	4.57	U
MW-15	9/27/2022	FD	0.00200	U	0.00200	U	0.00200	U	0.00400	U	4.56	U	4.56	U
MW-16	9/27/2022	REG	0.00200	U	0.00200	U	0.00200	U	0.00400	U	4.59	U	4.59	U
MW-17	9/28/2022	REG	0.00200	U	0.00200	U	0.00200	U	0.00400	U	4.55	U	4.55	U
MW-24	9/29/2022	REG	**13.4**	**D J**	0.02000	U	**0.0296**	**J**	**0.0465**	**J**	4.55	U	**21.3**	
MW-25	9/29/2022	REG	**0.545**		0.02000	U	**0.0193**	**J**	0.04000	U	4.56	U	4.56	U
MW-26	9/29/2022	REG	**0.552**		**0.0120**	**J**	**0.0137**	**J**	**0.0112**	**J**	4.55	U	4.55	U
MW-29	9/27/2022	REG	**0.0488**	**J**	0.00200	U	0.000817	J	0.00400	UB	4.57	U	4.57	U
MW-30	9/27/2022	REG	0.00200	UB	0.00200	U	0.00200	U	0.00400	U	4.55	U	4.55	U
MW-32	9/27/2022	REG	0.00200	U	0.00200	U	0.00200	U	0.00400	U	4.57	U	4.57	U
MW-34	9/27/2022	REG	**0.00346**		0.00200	U	0.00200	U	0.00400	U	4.55	U	4.55	U
MW-34	9/27/2022	FD	**0.00277**	UB	0.00200	U	0.00200	U	0.00400	U	4.55	U	4.55	U
MW-35	9/27/2022	REG	0.00200	U	0.00200	U	0.00200	U	0.00400	U	4.57	U	4.57	U
MW-38	9/27/2022	REG	0.00200	U	0.00200	U	0.00200	U	0.00400	U	4.57	U	4.57	U
MWD-3	9/28/2022	REG	**1.17**	**D J**	0.00200	U	**0.00131**	J	**0.000725**	**J**	4.55	U	4.55	U
MWD-12	9/28/2022	REG	**0.00586**		0.00200	U	**0.0435**		**0.00702**		4.55	U	4.55	U
MWD-13	9/27/2022	REG	0.00200	U	0.00200	U	0.00200	U	0.00400	U	4.57	U	4.57	U
MWD-14	9/29/2022	REG	**0.963**		0.02000	U	**0.0712**		0.04000	U	4.57	UJ	4.57	U
MWD-15	9/28/2022	REG	**0.00321**	**J**	0.00200	U	**0.00198**	J	**0.00847**	**J**	4.55	U	4.55	U
RW-6	9/28/2022	REG	**0.0188**		0.00200	U	0.00200	U	**0.00314**	J	4.55	U	4.55	U

Acronyms and Abbreviations:

bold = detected analytes

BTEX = benzene, toluene, ethylbenzene, and xylenes

DRO = diesel-range organics

FD = field duplicate sample

GRO = gasoline-range organics

ID = identification

mg/L = milligrams per liter

NMWQCC = New Mexico Water Quality Control Commission

NA = Not applicable- no standard available

REG = regular field sample

shading = analytes exceeding the NMWQCC Standard

Qualifier:

D = sample was diluted

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

U = Analyte was not detected

UB = Compound considered non-detect at the listed value due to associated blank contamination

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Table 7
Spring 2022 Metals, Chloride, and Total Dissolved Solids Analytical Data
2022 Annual Groundwater Monitoring Report
Former Eunice South Gas Plant
Eunice, Lea County, New Mexico

Location ID	Date	Analyte	Dissolved Arsenic		Dissolved Barium		Dissolved Total Chromium		Dissolved Hexavalent Chromium		TDS		Chloride	
		Unit	mg/L											
		NMWQCC Standard	0.01		2		0.05		0.05		1,000		250	
MW-3	2/23/2022	REG	**0.0163**		**0.0479**		**0.000605**	**J**	0.0100	U	**816**		**86.0**	
MW-4	2/23/2022	REG	**0.00982**		**0.0808**		0.00400	U	0.0100	U	**4,060**		**1,710**	
MW-8	2/24/2022	REG	**0.0299**		**0.0767**		0.00400	U	0.0100	U	**2,290**		**714**	
MW-9	2/24/2022	REG	**0.00619**		**6.57**	**E**	0.00400	U	0.0100	U	**1,150**		**208**	
MW-11	2/25/2022	REG	**0.0290**		**1.14**		0.00400	U	0.0100	U	**826**		**66.7**	
MW-13	2/23/2022	REG	**0.0156**		**0.0831**		**0.000589**	**J**	0.0100	U	**1,290**		**337**	
MW-14	2/24/2022	REG	**0.00867**		**0.0983**		0.00400	U	0.0100	U	**1,820**		**558**	
MW-15	2/23/2022	REG	**0.0149**		**0.0816**		**0.00238**	**J**	0.0100	U	**3,240**		**1,290**	
MW-15	2/23/2022	FD	**0.0136**		**0.0760**		**0.00231**	**J**	0.0100	U	**2,960**		**1,220**	
MW-16	2/23/2022	REG	**0.0128**		**0.0332**		**0.0937**		**0.0897**		**4,000**		**1,830**	
MW-17	2/24/2022	REG	**0.00967**		**0.156**		0.00400	U	0.0100	U	**2,190**		**874**	
MW-22	2/24/2022	REG	**0.0451**		**1.05**		**0.000999**	**J**	0.0100	U	**6,620**		**2,510**	
MW-25	2/25/2022	REG	**0.0126**		**1.53**		**0.00142**	**J**	0.0100	U	**5,960**		**2,410**	
MW-25	2/25/2022	FD	**0.0122**		**1.53**		**0.00148**	**J**	0.0100	U	**6,040**		**2,450**	
MW-26	2/25/2022	REG	**0.0590**		**4.81**		0.00400	U	0.0100	U	**1,040**		**159**	
MW-29	2/24/2022	REG	**0.00276**	**J**	**7.50**	**E**	0.00400	U	0.0100	U	**1,370**		**356**	
MW-30	2/24/2022	REG	**0.00943**		**0.301**		0.00400	U	0.0100	U	**1,190**		**268**	
MW-31	2/23/2022	REG	**0.0476**		**0.310**		0.00400	U	0.0100	U	**1,660**		**447**	
MW-32	2/25/2022	REG	**0.0487**		**2.37**		0.00400	U	0.0100	U	**2,680**		**730**	
MW-34	2/24/2022	REG	**0.00105**	**J**	**4.41**	**E**	0.00400	U	0.0100	U	**1,520**		**261**	
MW-34	2/24/2022	FD	**0.000995**	**J**	**4.38**	**E**	0.00400	U	0.0100	U	**1,570**		**252**	
MW-35	2/23/2022	REG	**0.00956**		**0.0938**		0.00400	U	0.0100	U	**972**		**147**	
MW-36	2/23/2022	REG	**0.00853**		**0.0952**		0.00400	U	0.0100	U	**1,850**		**409**	
MW-37	2/23/2022	REG	**0.0113**		**0.536**		0.00400	U	0.0100	U	**1,180**		**336**	
MW-38	2/23/2022	REG	**0.00704**		**0.0653**		0.00400	U	0.0100	U	**2,320**		**807**	
MWD-1	2/24/2022	REG	**0.0416**		**2.89**	**E**	**0.00305**	J	0.0100	U	**1,560**		**465**	
MWD-2	2/23/2022	REG	**0.0113**		**0.0417**		0.00400	U	0.0100	U	**2,480**		**720**	
MWD-3	2/24/2022	REG	**0.0489**		**3.07**		0.00400	U	0.0100	U	**33,000**		**20,500**	
MWD-4	2/25/2022	REG	**0.00264**	**J**	**0.0751**		0.00400	U	0.0100	U	**952**		**90.9**	
MWD-5	2/24/2022	REG	**0.0119**		**7.61**	**E**	0.00400	U	0.0100	U	**2,300**		**634**	
MWD-6	2/24/2022	REG	**0.00390**	**J**	**1.13**		0.00400	U	0.0100	U	**1,100**		**166**	
MWD-7	2/24/2022	REG	**0.0147**		**0.0458**		0.00400	U	0.0100	U	**10,800**		**7,120**	
MWD-8	2/23/2022	REG	**0.0234**		**0.0345**		**0.00159**	**J**	0.0100	U	**646**		**116**	
MWD-11	2/23/2022	REG	**0.0159**		**0.0564**		**0.000804**	**J**	0.0100	U	**979**		**126**	
MWD-12	2/24/2022	REG	**0.0415**		0.257		0.00400	U	0.0100	U	**4,830**		**1,370**	
MWD-13	2/25/2022	REG	**0.0556**		**0.117**		**0.00218**	**J**	0.0100	U	**7,470**		**2,210**	
MWD-14	2/25/2022	REG	**0.000476**	**J**	**1.15**		**0.000888**	**J**	0.0100	U	**2,880**		**501**	
MWD-15	2/24/2022	REG	**0.00676**		**2.89**	**E**	0.00400	U	0.0100	U	**4,240**		**1,280**	
MWD-17	2/24/2022	REG	**0.0596**		**0.325**		0.00400	U	0.0100	U	**11,400**		**5,520**	
RW-6	2/24/2022	REG	**0.00404**		**1.60**		**0.000732**	**J**	0.0100	U	**2,860**		**986**	
RW-7	2/24/2022	REG	**0.00670**		**0.0762**		**0.000917**	**J**	0.0100	U	**8,230**		**3,210**	
RW-8	2/23/2022	REG	**0.0945**		**0.180**		0.00400	U	0.0100	U	**3,340**		**1,240**	
TMW-1	2/23/2022	FD	**0.0252**		**0.918**		0.00400	U	0.0100	U	**1,450**		**474**	
TMW-1	2/23/2022	REG	**0.0248**		**0.912**		0.00400	U	0.0100	U	**1,340**		**477**	
TMW-6	2/25/2022	REG	**0.0713**		**0.868**		0.00400	U	0.0100	U	**1,090**		**112**	
WW-2	2/24/2022	REG	**0.00150**	**J**	**2.94**	**E**	0.00400	U	0.0100	U	**1,160**		**672**	
WW-7	2/24/2022	REG	**0.000775**	**J**	**0.463**		0.00400	U	0.0100	U	**416**		**248**	

Acronyms and Abbreviations:

bold = detected analytes
FD = field duplicate sample
ID = identification
mg/L = milligrams per liter
NMWQCC = New Mexico Water Quality Control Commission
REG = regular field sample
TDS = total dissolved solids
shading = analytes exceeding the NMWQCC Standard
NA = Not applicable

Qualifiers:

J = estimated value
U = nondetect
E = result exceeded calibration range

Released to Imaging: 4/10/2023 12:09:44 PM

Table 8
Fall 2022 Metals, Chloride, and Total Dissolved Solids Analytical Data
2022 Annual Groundwater Monitoring Report
Former Eunice South Gas Plant
Eunice, Lea County, New Mexico

Location ID	Date	Analyte	Dissolved Arsenic	Dissolved Barium	Dissolved Total Chromium	Dissolved Hexavalent Chromium	TDS	Chloride
		Unit	mg/L					
		NMWQCC Standard	0.01	2	0.05	0.05	1,000	250
MW-11	9/29/2022	REG	**0.0314**	**1.47**	0.00400 U	0.0100 U	**1,060**	**114**
MW-15	9/27/2022	FD	**0.0117**	**0.0319**	**0.000958 J**	0.0100 U	**3,320**	**1,260**
MW-15	9/27/2022	REG	**0.0124**	**0.0392**	**0.000663 J**	0.0100 U	**3,280**	**1,260**
MW-16	9/27/2022	REG	**0.0113**	**0.0311**	**0.0776**	**0.084**	**4,340**	**1,870**
MW-17	9/28/2022	REG	**0.00758**	**0.157**	**0.00251 J**	0.0100 U	**1,810**	**792**
MW-24	9/29/2022	REG	**0.0311**	**2.98**	0.00400 U	0.0100 U	**1,270**	**240**
MW-25	9/29/2022	REG	**0.00990**	**1.30**	**0.00134 J**	0.0100 U	**5,180**	**2,350**
MW-26	9/29/2022	REG	**0.0462**	**3.95**	0.00400 U	0.0500 U	**1,090**	**160**
MW-29	9/27/2022	REG	**0.00233 J**	**9.29**	0.00400 U	0.0100 U	**1,340**	**313**
MW-30	9/27/2022	REG	**0.0106**	**0.302**	0.00400 U	0.0100 U	**1,300**	**281**
MW-32	9/27/2022	REG	**0.0438**	**1.95**	0.00400 U	0.0100 U	**2,780**	**828**
MW-34	9/27/2022	REG	**0.000976 J**	**4.83**	0.00400 U	0.0100 U	**1,500**	**252**
MW-34	9/27/2022	FD	**0.000890 J**	**4.65**	0.00400 U	0.0100 U	**1,520**	**253**
MW-35	9/27/2022	REG	**0.00869**	**0.0866**	0.00400 U	0.0100 U	**917**	**138**
MW-38	9/27/2022	REG	**0.00682**	**0.0726**	0.00400 U	0.0100 U	**1,990**	**1,000**
MWD-3	9/28/2022	REG	**0.0397**	**3.31**	**0.000833 J**	0.0100 U	**33,000**	**19,200**
MWD-12	9/28/2022	REG	**0.0356**	**0.253**	0.00400 U	0.0100 U	**4,330**	**1,610**
MWD-13	9/27/2022	REG	**0.0442**	**0.0775**	**0.00215 J**	0.0100 U	**7,390**	**3,550**
MWD-14	9/29/2022	REG	**0.000576 J**	**0.928**	**0.000671 J**	0.0100 U	**3,320**	**514**
MWD-15	9/28/2022	REG	**0.00608**	**2.93**	0.00400 U	**0.0329**	**2,820**	**1,190**
RW-6	9/28/2022	REG	**0.00325 J**	**1.47**	0.00400 U	0.0100 U	**2,790**	**963**

Acronyms and Abbreviations:

bold = detected analytes

FD = field duplicate sample

D = sample was diluted

ID = identification

mg/L = milligrams per liter

NMWQCC = New Mexico Water Quality Control Commission

REG = regular field sample

TDS = total dissolved solids

** Hexavalent chromium concentration at this well is believed to be erroneous and this data has not been used for analysis

shading = analytes exceeding the NMWQCC Standard

Qualifiers:

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

U = Analyte was not detected.

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Table 9
LNAPL Transmissivity Test
2021 Annual Groundwater Monitoring Report
Former Eunice South Gas Plant
Eunice, Lea County, New Mexico

Well ID	Test Date	Time Cut (minutes)	Initial LNAPL Thickness (feet)	Test Duration (minutes)	Final LNAPL Thickness (feet)	Percent Recovery	LNAPL Transmissivity (ft^2/day)									
							Bouwer and Rice	Cooper and Jacob/Jacob and Lohman	Cooper, Bredehoeft, and Papadopoulos	Arithmetic Mean	*2021 Arithmetic Mean*[b]	*2020 Arithmetic Mean*[b]	*2019 Arithmetic Mean*[b]	*2018 Arithmetic Mean*[b]	*2017 Arithmetic Mean*[b]	*2016 Arithmetic Mean*[b]
MW-1	---[a]	---	---	---	---	---	---	---	---	---	---	---	0.74	0.55	**1.8**	**3.0**
														1.8		
MW-2	---[a]	---	---	---	---	---	---	---	---	---	**4.9**	---	**1.2**	**5.4**	**1.6**	---
														3.4		
MW-5	---[a]	---	---	---	---	---	---	---	---	---	0.16	---	---	0.35	0.16	0.3
														0.21		
MW-10	---[a]	---	---	---	---	---	---	---	---	---	---	---	0.03	---	---	---
MW-12	---[a]	---	---	---	---	---	---	---	---	---	**1.3**	---	---	0.043	---	---
														1.4		
MW-19	---[a]	---	---	---	---	---	---	---	---	---	0.22	---	0.15	0.0053	0.013	---
														3.5		
MW-20	---[a]	---	---	---	---	---	---	---	---	---	0.64	---	**2.4**	**2.9**	**3.0**	**2.8**
														1.7		
MW-21	---[a]	---	---	---	---	---	---	---	---	---	0.12	---	---	0.47	0.0047	---
														0.38		
MW-27	9/29/2022	13	1.3	200	0.94	72%	**1.0**	**1.2**	**1.9**	**1.3**	**0.95**	0.43	**2.9**	0.57	**1.1**	---
MW-28	9/29/2022	13	1.64	79	1.4	85%	**3.8**	**6.5**	**6.6**	**5.6**	0.27	**3.0**	**1.6**	**6.2**	**4.6**	**5.9**
														3.3		
RW-1	---[a]	---	---	---	---	---	---	---	---	---	**1.0**	---	**1.2**	**1.7**	**2.2**	**1.2**
														2.0		
RW-2	9/29/2022	6	1.49	316	1.43	96%	**10.6**	**9.7**	**12.2**	**10.8**	---	**6.8**	**4.4**	**8.1**	**5.4**	**4.9**
														8.6		
RW-4	---	---	---	---	---	---	---	---	---	---	0.61	---	**3.6**	**3.1**	**3.3**	**2.5**
														1.6		

Notes:

[a]In accordance with the work plan, LNAPL baildown testing was not conducted.

[b]Reporting arithmetic mean in 2022 following technical guidance - previously reported geometric mean

Acronyms and Abbreviations:

bold = values greater than the Interstate Technology & Regulatory Commission (ITRC [2009]) recommended threshold for practical recoverability of LNAPL (0.8 ft ^{2}/day)

ft^2/day = square foot (feet) per day

LNAPL = light nonaqueous phase liquid

--- = data not available

% = percent

FIGURES

C:\Users\shasarek6736\ACCDocs\Arcadis\AUS-CHEVRON-FORMER EUNICE SOUTH GAS PLANT-EUNICE New Mexico\Project Files\2023\01-In Progress\01-DWG\GEN-F01-SITE LOCATION.dwg LAYOUT: 1 SAVED: 1/20/2023 11:57 AM ACADVER: 24.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 1/20/2023 12:11 PM BY: S HASARE, KAREPPA

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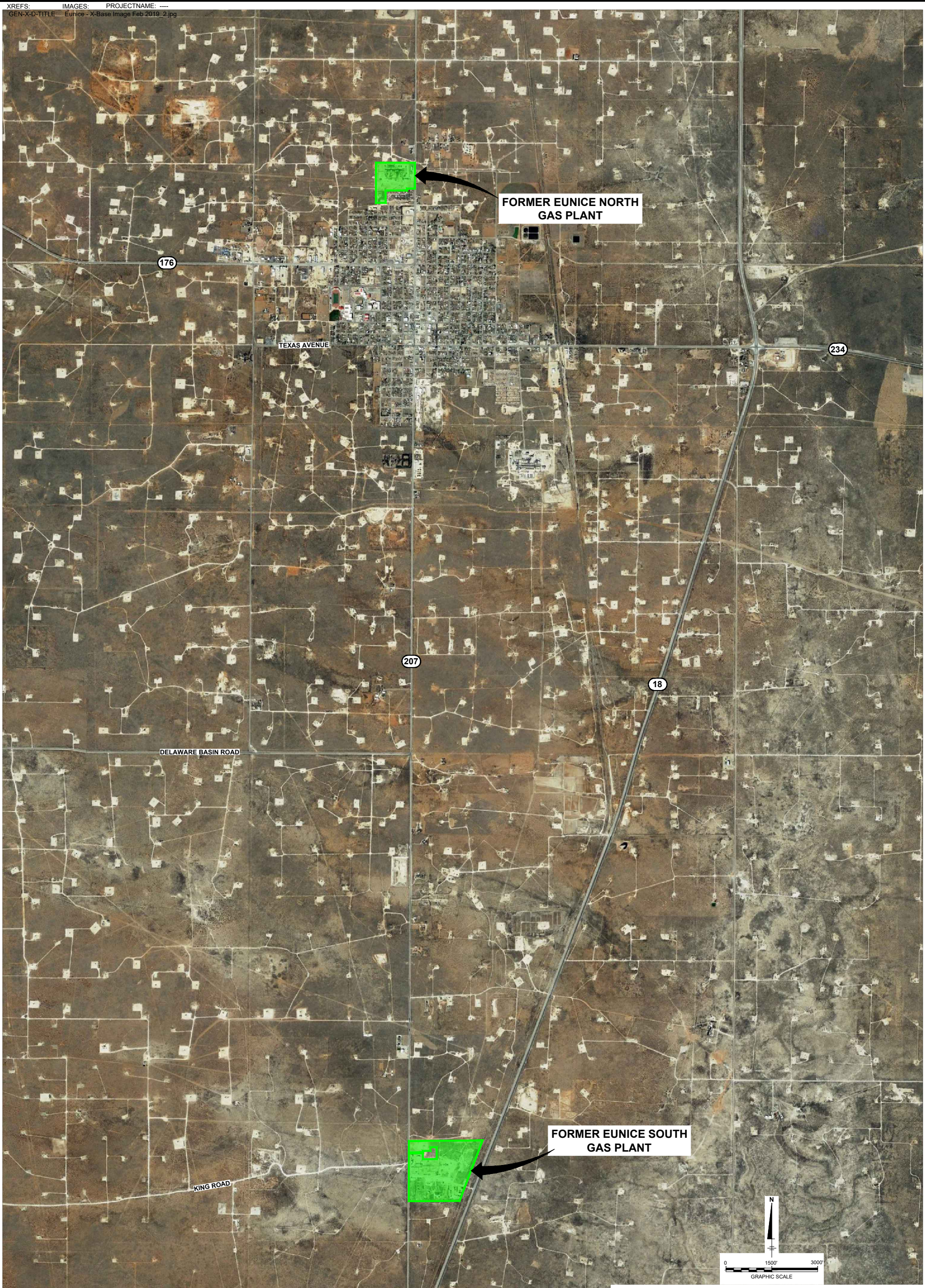

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER EUNICE SOUTH GAS PLANT
EUNICE, LEA COUNTY, NEW MEXICO

SITE LOCATION MAP

ARCADIS

FIGURE
1

C:\Users\shasarek6736\ACCDocs\Arcadis\AUS-CHEVRON-FORMER EUNICE SOUTH GAS PLANT-EUNICE New Mexico\Project Files\2023\01-In Progress\01-DWG\GEN-F02-WELL LOCATION AND MONITORING PLAN.dwg LAYOUT: 2 SAVED: 1/20/2023 12:16 PM ACADVER: 24.1S (LMS TECH)
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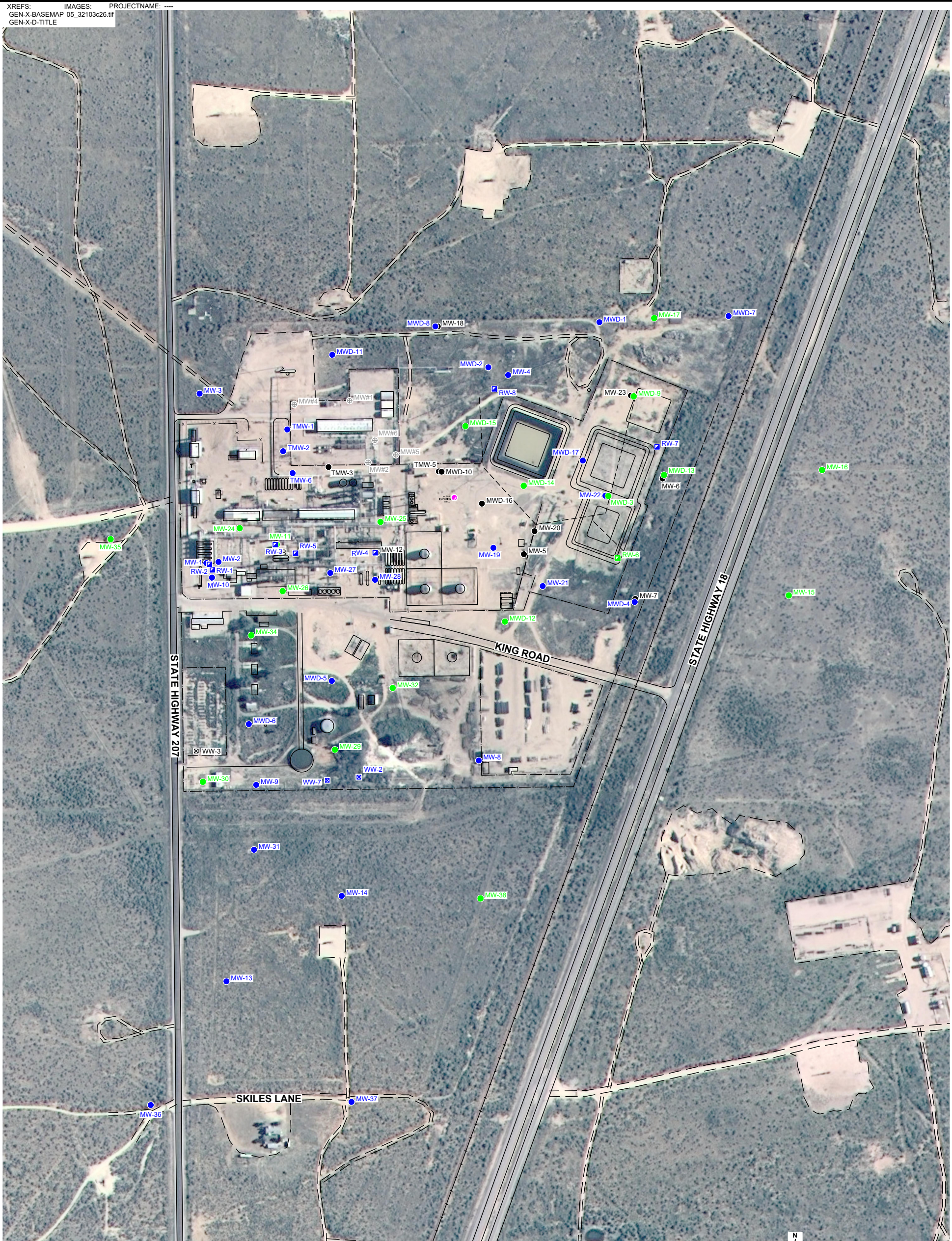

LEGEND

- MONITORING WELLS
- TARGA'S ONSITE INJECTION WELL
- RECOVERY WELL
- INACTIVE WATER WELL
- OFFSITE PROPERTY WELL (NOT SAMPLED)
- LOCATIONS IN **BLUE** ARE SAMPLED ANNUALLY
- LOCATIONS IN **GREEN** ARE SAMPLED SEMIANNUALLY
- LOCATIONS IN **BLACK** ARE NOT SAMPLED AT THIS TIME

NOTES:

1. MAP PROJECTED TO NAD83 NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, FEET.
2. AERIAL IMAGERY PROVIDED BY USGS EARTH EXPLORER, ACCESSED APRIL 2016.
3. WELLS SURVEYED 1998, 2000, 2001, 2002, AND 2006 BY PIPER SURVEYING COMPANY. NAD27 NM S.P. EAST, FEET.
4. SITE FEATURES PROVIDED BY CRA

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER EUNICE SOUTH GAS PLANT
EUNICE, LEA COUNTY, NEW MEXICO

WELL LOCATION AND MONITORING PLAN MAP

ARCADIS

FIGURE
2

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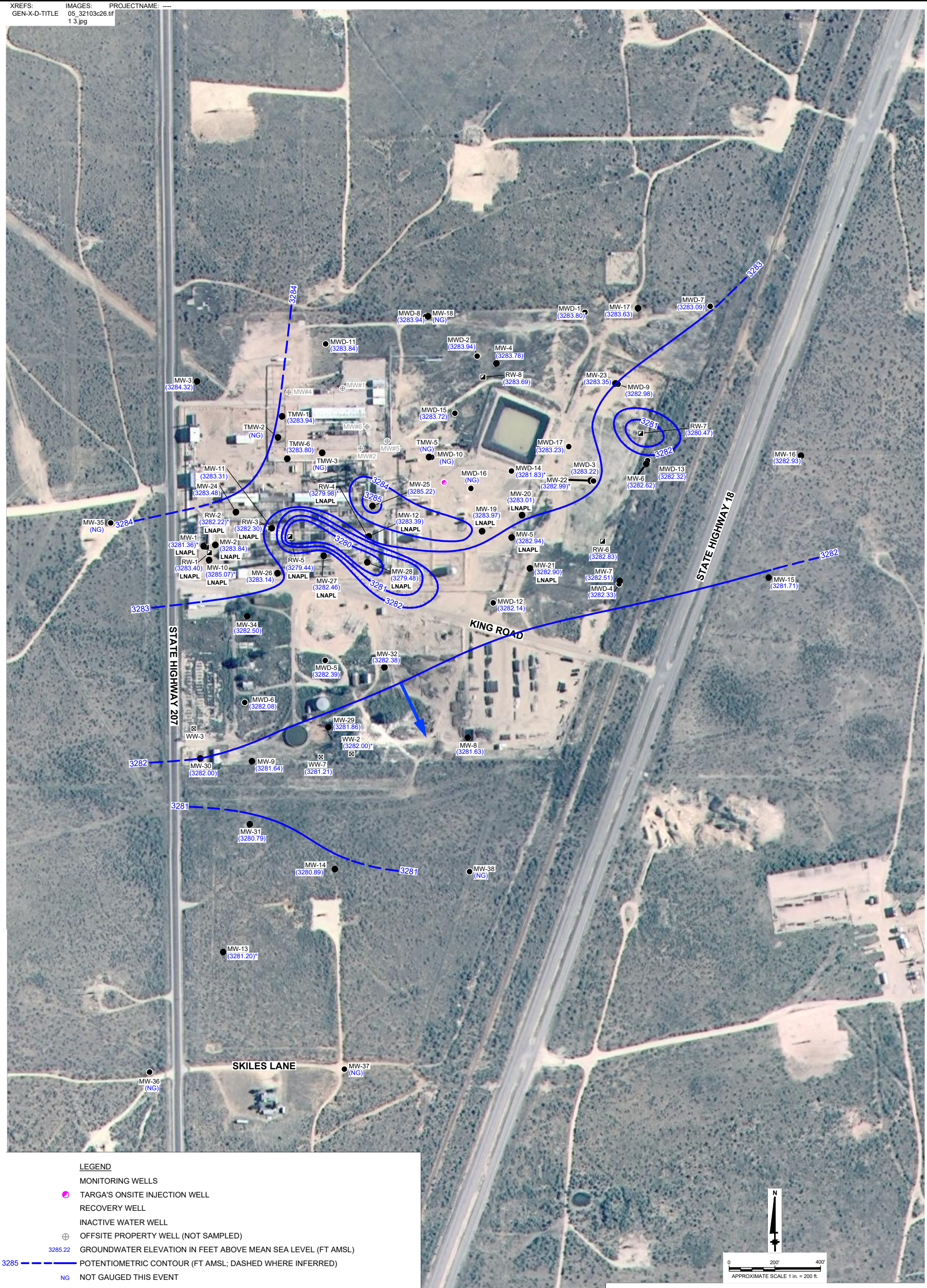

LEGEND

- MONITORING WELLS
- TARGA'S ONSITE INJECTION WELL
- RECOVERY WELL
- INACTIVE WATER WELL
- ⊕ OFFSITE PROPERTY WELL (NOT SAMPLED)
- 3285.22 GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (FT AMSL)
- 3285 POTENTIOMETRIC CONTOUR (FT AMSL; DASHED WHERE INFERRED)
- NG NOT GAUGED THIS EVENT
- **LNAPL** LIGHT NON-AQUEOUS PHASE LIQUID PRESENT
- * NOT USED FOR CONTOURING
- GROUNDWATER FLOW DIRECTION

NOTES:

1. MAP PROJECTED TO NAD83 NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, FEET.
2. AERIAL IMAGERY PROVIDED BY USGS EARTH EXPLORER, ACCESSED APRIL 2016.
3. WELLS SURVEYED 1998, 2000, 2001, 2002, AND 2006 BY PIPER SURVEYING COMPANY. NAD27 NG S.P. EAST, FEET.
4. SITE FEATURES PROVIDED BY CRA.
5. WELLS GAUGED FEBRUARY 22, 2022.
6. WHERE LNAPL IS PRESENT, GROUNDWATER ELEVATION WAS CORRECTED BASED OFF ESTIMATED LNAPL SPECIFIC GRAVITY OF 0.72-0.82.

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER EUNICE SOUTH GAS PLANT
EUNICE, LEA COUNTY, NEW MEXICO

POTENTIOMETRIC SURFACE MAP SPRING 2022

ARCADIS

FIGURE 3

C:\Users\murugesg5893\ACCDocs\Arcadis\AUS-CHEVRON-FORMER EUNICE SOUTH GAS PLANT-EUNICE New Mexico\Project Files\2023\01-In Progress\01-DWG\GWM-2022Q2-F04-LNAPL SPRING.dwg LAYOUT: 4 SAVED: 1/20/2023 12:40 PM ACADVER: 24.2S (LMS TECH) PAGESETUP: ----
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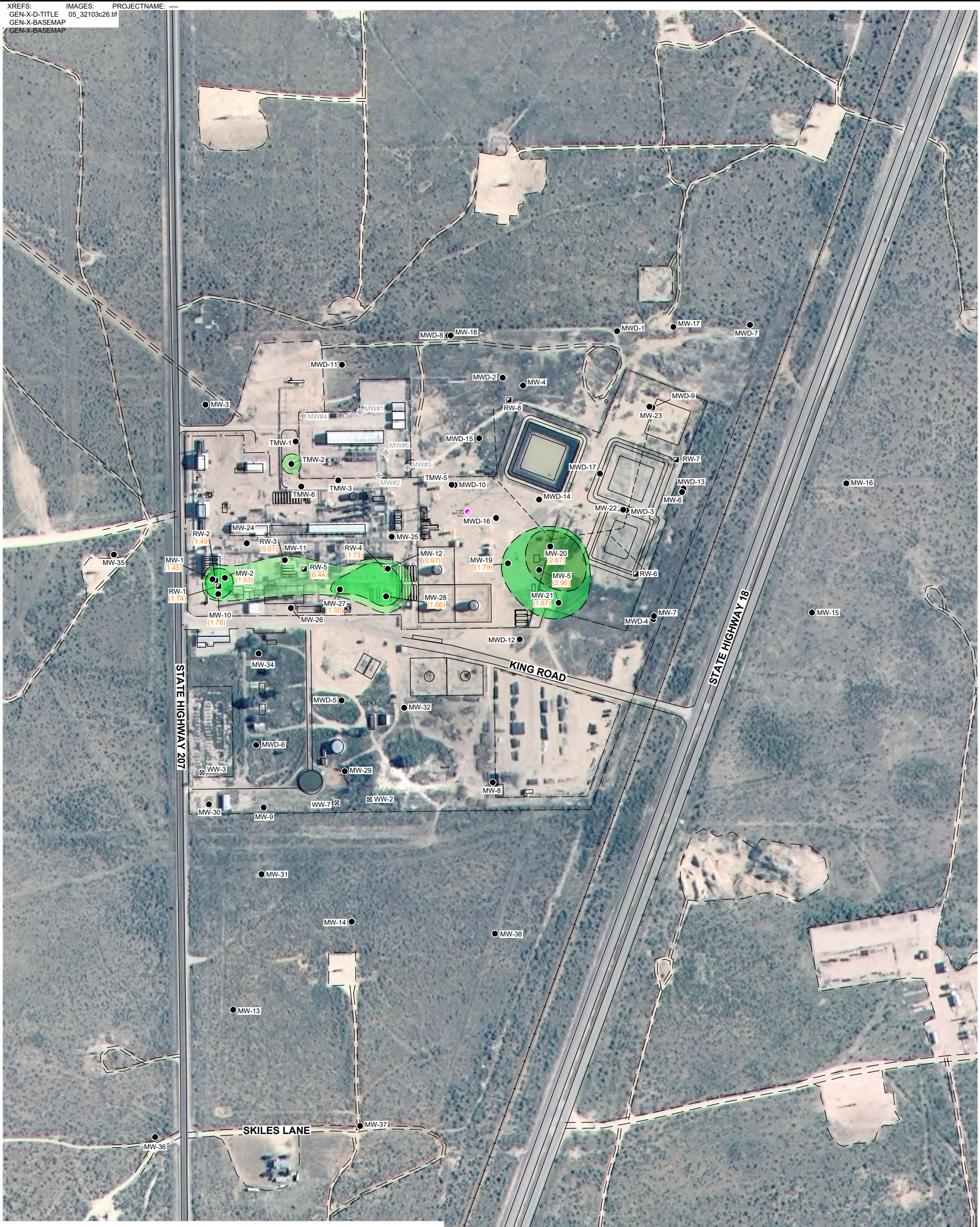

LEGEND

- MONITORING WELL
- TARGA'S ONSITE INJECTION WELL
- RECOVERY WELL
- INACTIVE WATER WELL
- OFFSITE PROPERTY WELL (NOT SAMPLED)
- 1.74 LNAPL THICKNESS FEBRUARY 2022 (FEET)
- LNAPL LIGHT NON-AQUEOUS PHASE LIQUID

LNAPL THICKNESS CONTOUR (FEET; DASHED WHERE INFERRED)

- >0
- >1
- >2
- >3

NOTES:

1. MAP PROJECTED TO NAD83 NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, FEET.
2. AERIAL IMAGERY PROVIDED BY USGS EARTH EXPLORER, ACCESSED APRIL 2016.
3. WELLS SURVEYED 1998, 2000, 2001, 2002, AND 2006 BY PIPER SURVEYING COMPANY. NAD27 NG S.P. EAST, FEET.
4. SITE FEATURES PROVIDED BY CRA
5. WELLS GAUGED FEBRUARY 22, 2022.
6. ONLY DATA COLLECTED IN 2022 WERE POSTED. CONTOURS ARE BASED ON HISTORICAL DATA DATING BACK TO 2018 WHERE CURRENT DATA ARE NOT AVAILABLE

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER EUNICE SOUTH GAS PLANT
EUNICE, LEA COUNTY, NEW MEXICO

LNAPL DISTRIBUTION MAP SPRING 2022

ARCADIS

FIGURE 4

C:\Users\jlharris\ACCDocs\Arcadis\AUS-CHEVRON-FORMER EUNICE SOUTH GAS PLANT-EUNICE New Mexico\Project Files\2023\01-In Progress\01-DWG\GWM-2023-F05-BENEZENE SPRING.dwg LAYOUT: 5 SAVED: 1/25/2023 5:05 AM ACADVER: 24.2S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 3/1/2023 12:44 PM BY: HARRIS, JESS

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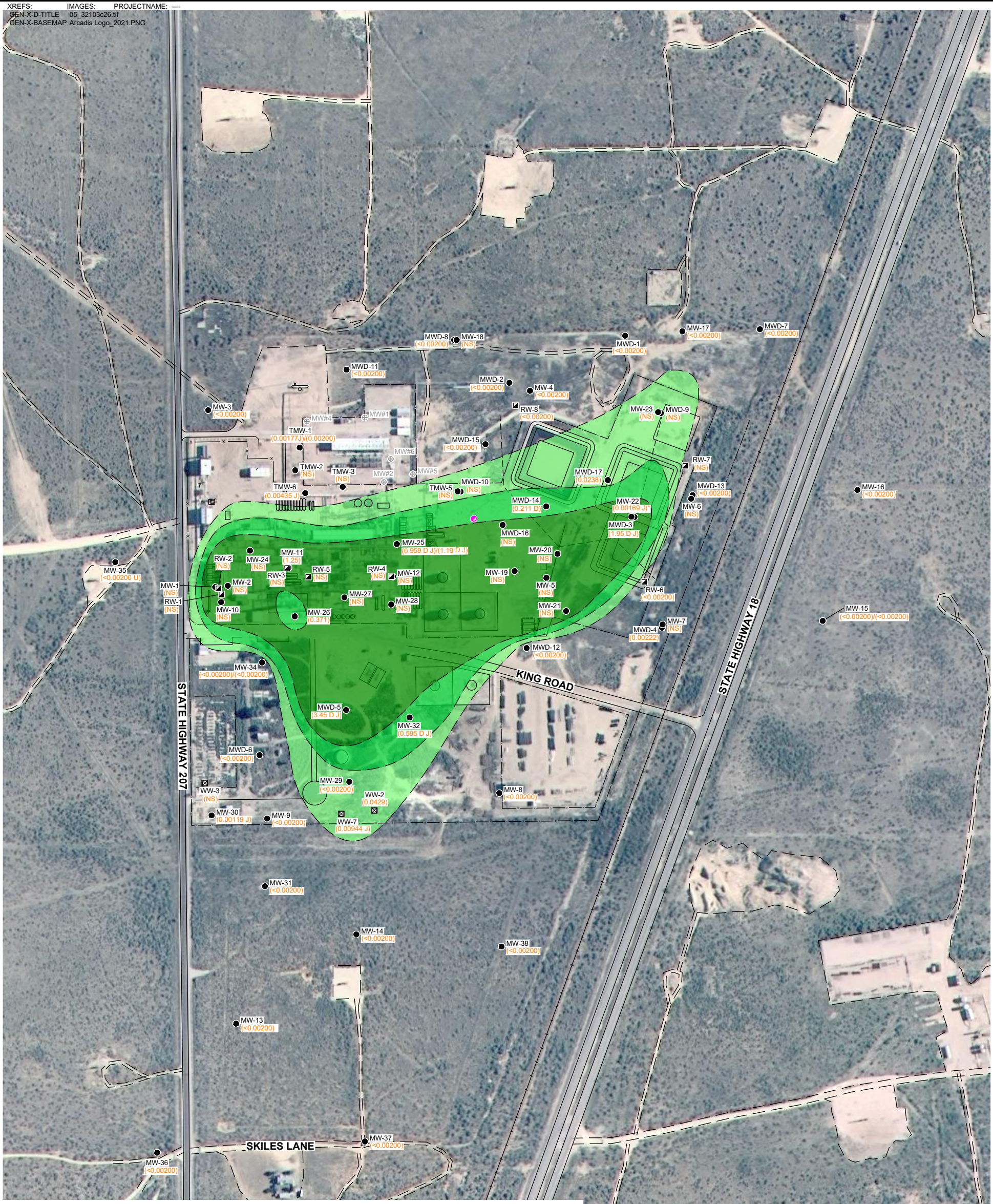

LEGEND

- MONITORING WELL
- TARGA'S ONSITE INJECTION WELL
- RECOVERY WELL
- INACTIVE WATER WELL
- OFFSITE PROPERTY WELL (NOT SAMPLED)
- (<0.00200)/(<0.00200) BENZENE CONCENTRATION/DUPLICATE RESULT IN MILLIGRAMS PER LITER (mg/L)
- (NS) NOT SAMPLED
- <0.00200 NOT DETECTED ABOVE METHOD QUANTITATION LIMIT (MQL)
- J THE COMPOUND WAS POSITIVELY IDENTIFIED; HOWEVER, THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED CONCENTRATION ONLY
- D CONCENTRATION IS BASED ON A DILUTED SAMPLE ANALYSIS
- * WELL NOT USED FOR CONTOURING

BENZENE ISOCONCENTRATION CONTOUR (mg/L; DASHED WHERE INFERRED)

- >0.005
- >0.1
- >1.0

NOTES:

1. MAP PROJECTED TO NAD83 NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, FEET.
2. AERIAL IMAGERY PROVIDED BY USGS EARTH EXPLORER, ACCESSED APRIL 2016.
3. WELLS SURVEYED 1998, 2000, 2001, 2002, AND 2006 BY PIPER SURVEYING COMPANY. NAD27 NM S.P. EAST, FEET.
4. SITE FEATURES PROVIDED BY CRA
5. WELLS SAMPLED FEBRUARY 24-25, 2022.
6. ONLY DATA COLLECTED IN 2022 WERE POSTED. CONTOURS ARE BASED ON HISTORICAL DATA DATING BACK TO 2018 WHERE CURRENT DATA ARE NOT AVAILABLE

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER EUNICE SOUTH GAS PLANT
EUNICE, LEA COUNTY, NEW MEXICO

BENZENE ISOCONCENTRATION MAP SPRING 2022

ARCADIS

FIGURE 5

C:\Users\murugesg5893\ACCDocs\Arcadis\AUS-CHEVRON-FORMER EUNICE SOUTH GAS PLANT-EUNICE New Mexico\Project Files\2023\01-In Progress\01-DWG\GWM-2022-F06-BENEZENE FALL.dwg LAYOUT: 6 SAVED: 1/20/2023 1:23 PM ACADVER: 24.2S (LMS TECH) PAGESETUP: ----
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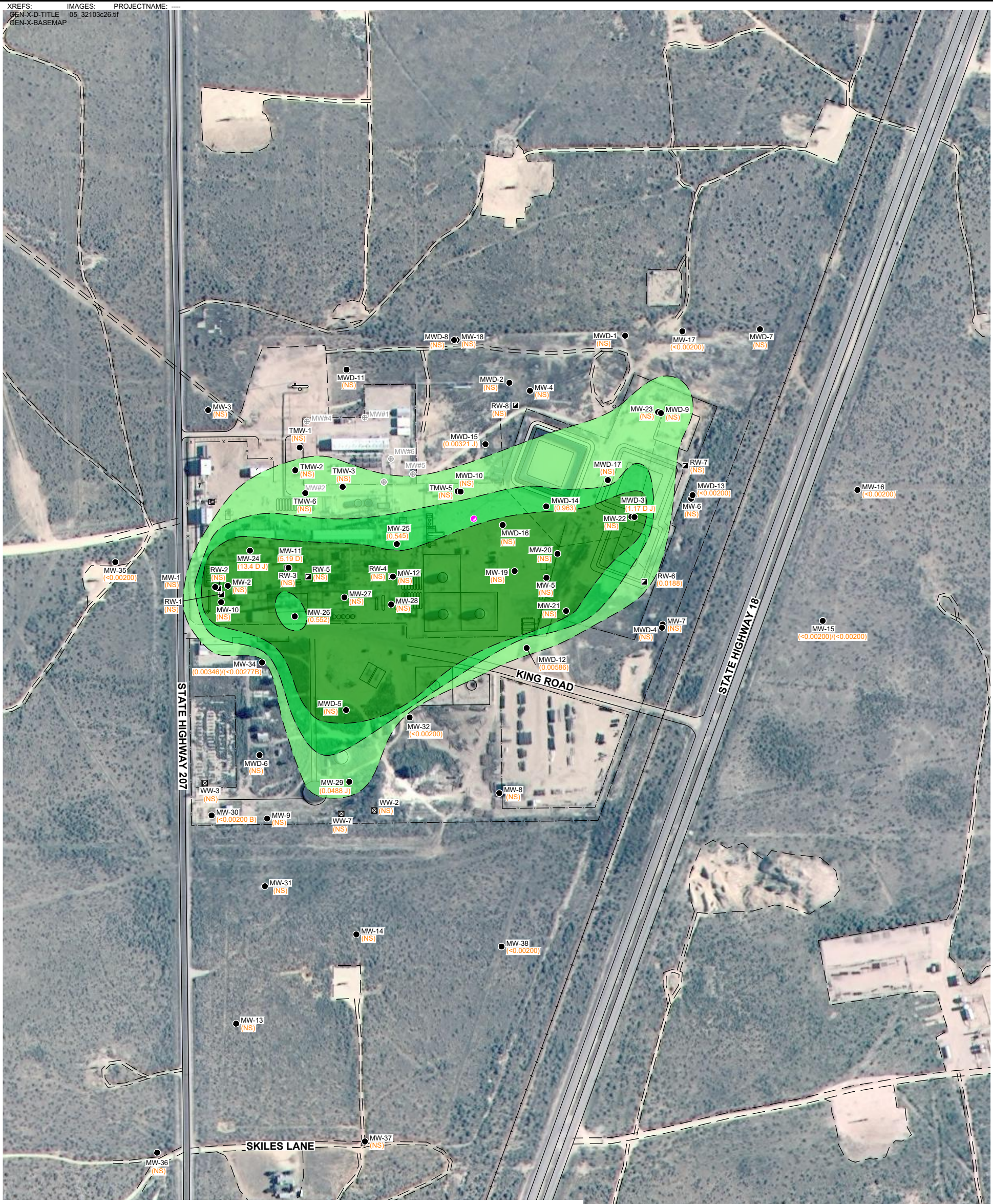

LEGEND

- MONITORING WELL
- TARGA'S ONSITE INJECTION WELL
- RECOVERY WELL
- INACTIVE WATER WELL
- OFFSITE PROPERTY WELL (NOT SAMPLED)
- (13.4 D J) BENZENE CONCENTRATION RESULT IN MILLIGRAMS PER LITER (mg/L)
- (NS) NOT SAMPLED
- J THE COMPOUND WAS POSITIVELY IDENTIFIED; HOWEVER, THE ASSOCIATED NUMBERICAL VALUE IS AN ESTIMATED CONCENTRATION ONLY
- D CONCENTRATION IS BASED ON A DILUTED SAMPLE ANALYSIS
- <0.00200 NOT DETECTED ABOVE METHOD QUANTITATION LIMIT (MQL)

BENZENE ISOCONCENTRATION CONTOUR (mg/L; DASHED WHERE INFERRED)

- >0.005
- >0.1
- >1.0

NOTES:

1. MAP PROJECTED TO NAD83 NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, FEET.
2. AERIAL IMAGERY PROVIDED BY USGS EARTH EXPLORER, ACCESSED APRIL 2016.
3. WELLS SURVEYED 1998, 2000, 2001, 2002, AND 2006 BY PIPER SURVEYING COMPANY. NAD27 NM S.P. EAST, FEET.
4. SITE FEATURES PROVIDED BY CRA
5. WELLS SAMPLED SEPTEMBER 27-29, 2022.
6. ONLY DATA COLLECTED IN 2022 WERE POSTED. CONTOURS ARE BASED ON HISTORICAL DATA DATING BACK TO 2018 WHERE CURRENT DATA ARE NOT AVAILABLE

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER EUNICE SOUTH GAS PLANT
EUNICE, LEA COUNTY, NEW MEXICO

BENZENE ISOCONCENTRATION MAP FALL 2022

ARCADIS

FIGURE 6

C:\Users\jlharris\ACCDocs\Arcadis\AUS-CHEVRON-FORMER EUNICE SOUTH GAS PLANT-EUNICE New Mexico\Project Files\2023\01-In Progress\01-DWG\GWM-2022Q1-F07-CHLORIDE.dwg LAYOUT: 7 SAVED: 3/1/2023 12:47 PM ACADVER: 24.2S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ----
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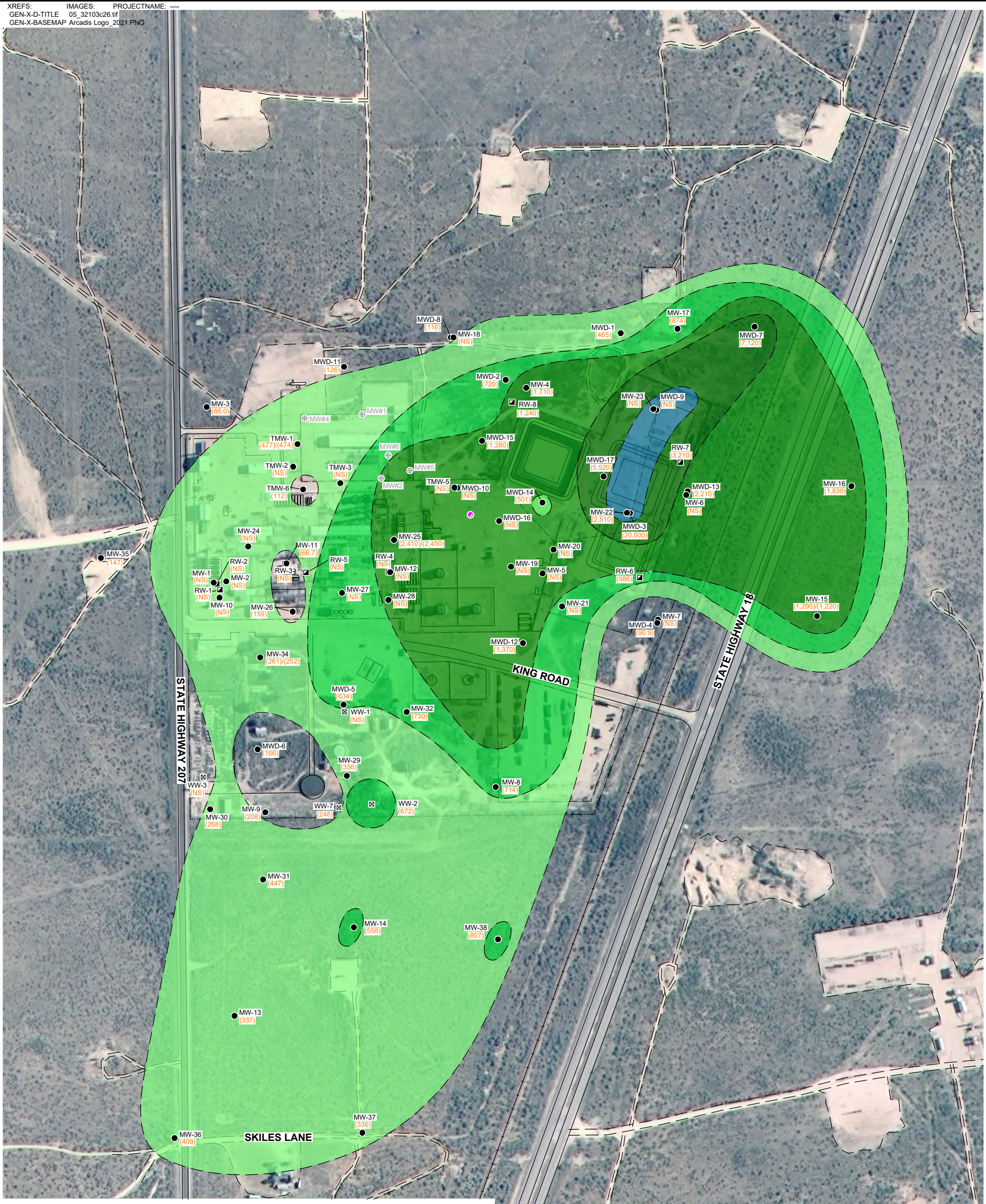

LEGEND

- MONITORING WELL
- TARGA'S ONSITE INJECTION WELL
- RECOVERY WELL
- INACTIVE WATER WELL
- OFFSITE PROPERTY WELL (NOT SAMPLED)
- (20,500) CHLORIDE CONCENTRATION/DUPLICATE RESULT IN MILLIGRAMS PER LITER (mg/L)
- NS NOT SAMPLED

CHLORIDE ISOCONCENTRATION CONTOUR (mg/L; DASHED WHERE INFERRED)

- >250
- >500
- >1,000
- >3,000
- >10,000

NOTES:

1. MAP PROJECTED TO NAD83 NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, FEET.
2. AERIAL IMAGERY PROVIDED BY USGS EARTH EXPLORER, ACCESSED APRIL 2016.
3. WELLS SURVEYED 1998, 2000, 2001, 2002, AND 2006 BY PIPER SURVEYING COMPANY. NAD27 NM S.P. EAST, FEET.
4. SITE FEATURES PROVIDED BY CRA.
5. WELLS SAMPLED FEBRUARY 23-25, 2022
6. ONLY DATA COLLECTED IN 2022 WERE POSTED. CONTOURS ARE BASED ON HISTORICAL DATA DATING BACK TO 2018 WHERE CURRENT DATA ARE NOT AVAILABLE.

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER EUNICE SOUTH GAS PLANT
EUNICE, LEA COUNTY, NEW MEXICO

CHLORIDE ISOCONCENTRATION MAP SPRING 2022

ARCADIS

FIGURE 7

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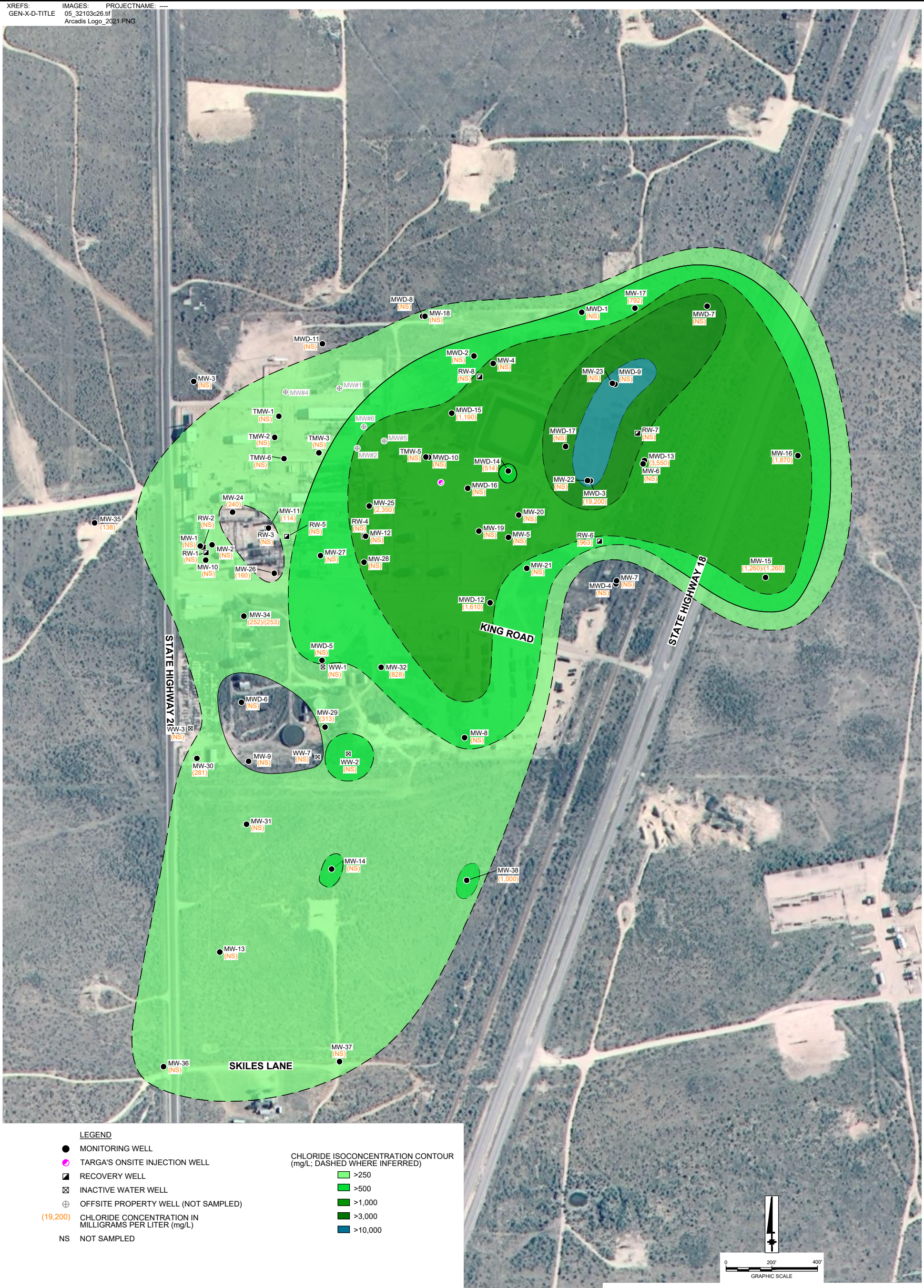

LEGEND

- MONITORING WELL
- TARGA'S ONSITE INJECTION WELL
- RECOVERY WELL
- INACTIVE WATER WELL
- OFFSITE PROPERTY WELL (NOT SAMPLED)
- (19,200) CHLORIDE CONCENTRATION IN MILLIGRAMS PER LITER (mg/L)
- NS NOT SAMPLED

CHLORIDE ISOCONCENTRATION CONTOUR (mg/L; DASHED WHERE INFERRED)

- >250
- >500
- >1,000
- >3,000
- >10,000

NOTES:

1. MAP PROJECTED TO NAD83 NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, FEET.
2. AERIAL IMAGERY PROVIDED BY USGS EARTH EXPLORER, ACCESSED APRIL 2016.
3. WELLS SURVEYED 1998, 2000, 2001, 2002, AND 2006 BY PIPER SURVEYING COMPANY. NAD27 NM S.P. EAST, FEET.
4. SITE FEATURES PROVIDED BY CRA.
5. WELLS SAMPLED SEPTEMBER 27-29, 2022
6. ONLY DATA COLLECTED IN 2022 WERE POSTED. CONTOURS ARE BASED ON HISTORICAL DATA DATING BACK TO 2018 WHERE CURRENT DATA ARE NOT AVAILABLE.

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER EUNICE SOUTH GAS PLANT
EUNICE, LEA COUNTY, NEW MEXICO

CHLORIDE ISOCONCENTRATION MAP FALL 2022

ARCADIS

FIGURE 8

APPENDIX A

Site Background Information

SITE AND REGULATORY BACKGROUND INFORMATION

The Site was originally constructed in the 1940s by Skelly Oil Company and attained by Texaco Exploration and Production, Inc. (Texaco, a legacy Chevron company). It was operated as a turbo expander-type natural gas processing plant for the extraction of natural gas liquids until the 1980s when operations were halted. Various structures remain on site including two compressors, a compressor building, a cooling tower, former office buildings, aboveground storage tanks, sumps, and piping. On July 1, 1998, operations were transferred to Versado Gas Processors, LLC, a limited liability partnership originally between Chevron and Dynegy Midstream Services (Dynegy). Dynegy was subsequently purchased by Targa, and Chevron divested its interest to Targa in 2016. The plant is currently owned and operated solely by Targa. Current site infrastructure associated with plant activities includes one hydrogen sulfide gas injection well. Current remedial infrastructure includes a groundwater extraction system and three bioventing units.

In April 1980, the New Mexico Energy and Minerals Department, Oil Conservation Division (NMOCD) requested a discharge plan to cover all effluent discharges at the Site. The original discharge plan (GW-003; Attachment 1) was approved by the NMOCD in March 1981 for 5 years and has been continuously renewed every 5 years. The most recent application was approved by the NMOCD on January 11, 2012. CEMC submitted a renewal application to the NMOCD on November 11, 2015; however, approval has not yet been received.

In April 1996, the NMOCD requested a work plan from Texaco to address specific areas of concern. The response resulted in a modification of the existing discharge plan along with a comprehensive Site investigation work plan. After the comprehensive site investigation was completed in 1996 and 1997, several areas of concern were identified. Constituents of concern (COCs) were identified to include light nonaqueous phase liquid (LNAPL) on the west and east sides of the plant, dissolved-phase hydrocarbons (on site and off site), chloride (on site and off site), total dissolved solids (TDS) across the site, and dissolved-phase metals (on site and off site). Specifically, dissolved metals listed in the discharge plan include arsenic, barium, and chromium (total and hexavalent).

In 2004, the Site was approved by the New Mexico Office of the State Engineer (NMOSE) for the appropriation of 208 acre-feet (ac-ft) per year from five on-site recovery wells. Groundwater usage was granted on a per-well basis under the following NMOSE well permits:

- CP-009-S: MWD-9, 32 ac-ft
- CP-231-S: RW-7, 48 ac-ft
- CP-233-S: RW-6, 48 ac-ft
- CP-243-S: MWD-3, 32 ac-ft
- CP-244-S: RW-8, 48 ac-ft.

CEMC provides quarterly volume totals to the NMOSE for wells MWD-3 and MWD-9, which are the only wells currently operating.

SAMPLING METHODOLOGY

Prior to 2016, groundwater sampling at the Site was completed using low-flow methodology. In April 2016, CEMC submitted a request to change the method to no-purge sampling using a HydraSleeve™ (HS). This change was approved by the NMOCD via email on March 25, 2016.

Starting with the March 2016 monitoring event, HS samplers have been used at all wells sampled across the Site. A comparison of previous sampling method results (2014 and 2015) and HS results (2016 and 2017) was performed for the primary COCs at the Site (benzene and chloride) and is presented in Appendix G of the 2017 Annual Groundwater Monitoring Report (Arcadis 2018). The comparison showed results from HS sampling were comparable to low-flow results (within an acceptable range of +/- 30 percent) and the change in sample method would not negatively impact trend evaluation or system performance evaluation. One anomaly was observed as part of the sampling method comparison; HS results at well TMW-6 did not follow historical trends. Therefore, this well was vertically profiled at three discreet intervals (HS samples were taken from three different vertical locations to evaluate variability) during the spring 2018 event and the most conservative results for site COCs were used to determine the optimal HS sample interval going forward.

HISTORICAL HYDROCARBON AND CHLORIDE REMEDIATION

Historical project information indicates that four remediation systems have operated at the Site since December 2000 including:

- Soil Vapor Extraction (SVE) system - West Side (April 2004-October 2006).
- LNAPL recovery - West Side (2004-October 2006, 2011 interim, August 2012 to date).
- LNAPL recovery - East Side (May 2003-January 2011).
- Chloride and total dissolved solids (TDS) groundwater recovery system – East Side (2004- 2010, September 2012 through 2013).

The following sections below summarize the installations, operations and recovery of each of the four remediation systems.

Soil Extraction System (West Side)

A soil vapor extraction system (SVE) was installed on the west side of the Site in April 2004. The SVE consisted of a trailer-mounted thermal oxidizer which extracted hydrocarbon vapors from recovery wells RW-2, RW-3, MW-4, RW-5 and monitor well MW-28. In September 2005, seven additional wells (MW-1, MW-2, MW-10, MW-24, MW-25, MW-26 and MW-27) were connected to the SVE system. The operation of the SVE was suspended in mid-October 2006 due to Site demolition activities. Records indicate a total of 300,560 pounds of hydrocarbons were recovered and treated by the SVE system while in operation.

LNAPL Recovery (West Side)

LNAPL Recovery System 2004-2006

An LNAPL recovery system was installed in 2004 on the West Side of the Site. This LNAPL system consisted of five Xitech skimmer product recovery pumps installed in West Side wells RW-2, RW-3, RW-4, RW-5 and MW-28, solar panels, a nitrogen activation system, and storage tanks. The operation of the Xitech skimmer pumps was suspended in mid-October 2006 due to Site demolition activities. Records indicate a total of 5,327 gallons of hydrocarbons were recovered from the West Side wells while the system was in operation.

Manual Recovery 2011, 2012-15

In April 2011, GHD initiated manual recovery efforts near the former West Side jet skid area as an interim measure. Weekly LNAPL abatement activities were performed in five accessible wells (MW- 1, MW-2, MW-10, RW-1 and RW-2) from April 13th through September 27th, 2011. Manual recovery remediation efforts ceased temporarily in September 2011 due to installation on Site of Targa's gas injection well. A total of 324 gallons of LNAPL and 23 gallons of water were manually recovered from the West Side wells during the six month period in 2011.

Biweekly LNAPL abatement activities were performed in seven accessible wells (West Side wells MW-1, MW-2, MW-10, RW-1 and RW-2; East Side wells MW-5 and MW-20,) from August 2012 through October 2013. Manual bailing was temporarily suspended due to LNAPL storage tank replacement by Targa in late October 2013, and was resumed in December 2013. In order to observe the effectiveness of LNAPL recovery from additional West Side LNAPL wells, manual LNAPL recovery was initiated at eight additional wells on October 27, 2014 (MW-12, MW-19, MW- 27, MW-28, TMW-2, RW-3, RW-4, RW-5). Manual bailing of wells was suspended in August 2015 as mobile dual phase extraction (MDPE) methods were initiated. A total of 135 gallons of LNAPL were recovered using manual bailing methods from the West Side wells during 2015.

A pilot test was performed in April 2015 of MDPE recovery methods of LNAPL, associated vapors and hydrocarbon and chloride impacted groundwater at West Side wells RW-1, MW-27 and MW-28. Based on evaluation of the results of this pilot test additional MDPE events were performed in August, October and December 2015. During the four 2015 MDPE events at these three wells an approximate total of 1,185 gallons of LNAPL and associated vapors (liquid equivalent) was recovered, and a total of 22,874 gallons of hydrocarbon and chloride impacted groundwater was also recovered for off-site disposal. Continuation of LNAPL recovery using MDPE methods at these wells in 2016 is currently under consideration.

Records indicate a total of 7,554 gallons of LNAPL and 22,898 gallons of affected groundwater have been recovered using skimmer pump, manual bailing and MDPE methods from the West Side LNAPL wells since 2004.

LNAPL Recovery (East Side)

An LNAPL recovery system was installed in May 2003 on the East Side of the Site. This LNAPL system consisted of Ferret Separation Pumps in monitor wells MW-5 and MW-20. The operation of the Ferret pumps was suspended after December 2008. Records indicate a total of 5,054 gallons of LNAPL and 57,603 gallons of water were recovered while the Ferret pumps were operating.

In April 2009, LNAPL recovery efforts on the East Side of the Site were re-evaluated and product recovery continued using a Xitech product recovery pump in MW-20 and hand-bailing LNAPL from MW-5 in an effort to increase LNAPL recovery and decrease water production. These LNAPL recovery methods were continued through January 2011 when efforts were suspended due to Targa's onsite construction activities. A total of 79 gallons of LNAPL and 2 gallons of water were recovered in January 2011. Suspension continued through 2011 into 2012 due to Targa's installation of an acid gas injection well. The remainder of 2012 and 2013 were utilized to evaluate remediation efforts on Site. Manual bailing and recovery of LNAPL from the East Side wells was performed in 2014, recovering 141 gallons of LNAPL and 0.5 gallons of water. Manual bailing of wells was suspended in August 2015 as MDPE recovery methods were initiated. A total of 58.3 gallons of LNAPL were recovered using manual bailing methods from the East Side wells during 2015.

A pilot test was performed in April 2015 of MDPE recovery methods of LNAPL, associated vapors and hydrocarbon and chloride impacted groundwater at East Side well MW-5. Based on evaluation of the results of this pilot test additional MDPE events were performed in August, October and December 2015. During the four 2015 MDPE events at well MW-5 a total of 258.62 gallons of LNAPL and associated vapors (liquid equivalent) were recovered, and a total of 8,022 gallons of hydrocarbon and chloride impacted groundwater was recovered for off-site disposal. Continuation of LNAPL recovery using MDPE methods at these wells in 2016 is currently under consideration.

Records indicate a total of 5,587 gallons of LNAPL and 65,626 gallons of affected groundwater have been recovered using skimmer pump, manual bailing and MDPE methods from the East Side wells from 2003 through 2015.

Chloride and TDS Recovery System (East Side)

A chloride and TDS groundwater recovery system was installed in 2004 on the east side of the Site. This recovery system originally consisted of two recovery wells (MWD-3 and MWD-9). In 2006, the network of recovery wells was expanded to include wells RW-6, RW-7 and RW-8. A total of 1,044,619 barrels of groundwater were recovered from 2004 through 2010. The extracted groundwater was disposed of at an onsite deep injection well (injection well #5) operated by Targa. In February 2011, Chevron notified the NMOCD that they no longer had permission from Targa to use the injection well and the recovery system operations were temporarily suspended.

As part of the reevaluation and redesign of the current system and well components, limited groundwater recovery was performed at wells MWD-3 and MWD-9 from 2012 to October 2013. Installation of the redesigned groundwater recovery system began on October 28, 2013 but construction and prestart reviews were not completed until April 2014. Construction of the redesigned groundwater recovery system was completed on April 29, 2014 and groundwater recovery was resumed. A total of 76,125 barrels, or approximately 3,197,250 gallons, of chloride-impacted groundwater was recovered by this system from January through December 2015.

Groundwater pumping record reports for the five recovery wells (MWD-3, MWD-9, RW-6, RW-7 and RW-8) are submitted quarterly to the NMOSE in accordance with permit requirements.

ATTACHMENT 1

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DISCHARGE PERMIT GW-003

1. GENERAL PROVISIONS:

A. PERMITTEE AND PERMITTED FACILITY: The Oil Conservation Division (OCD) of the Energy, Minerals and Natural Resources Department issues Discharge Permit GW-003 (Discharge Permit) to Chevron U.S.A., Inc. (Owner/Operator), located at 1400 Smith Street, Houston, Texas 77002 to abate ground water and vadose zone contamination at its Eunice South Gas Plant (Facility) located in the NW/4 of the SW/4 of Section 27, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico. The facility is located approximately 4.5 miles south of Eunice, New Mexico between State Highway 207 (Eunice-Hobbs Highway) and State Highway 18.

Versado L.L.P. (Versado) is a limited partnership between Chevron and Targa Midstream Services (Targa). Versado is the current landowner of record for the land parcel where the Eunice South Gas Plant is located. The Facility is inactive; however, Targa on behalf of Versado presently operates a compressor station and operates a UIC Class II injection well.

When its ground water recovery system is operational, Chevron discharges approximately 180,000 barrels (7,560,000 gallons) per year of contaminated ground water. Ground water that may be affected by a spill, leak, or accidental discharge occurs at a depth of approximately 49 - 54 feet below ground surface, with a total dissolved solids concentration of approximately 1,000 - 1,300 mg/L.

B. SCOPE OF PERMIT: OCD has been granted authority to administer the Water Quality Act (Chapter 74, Article 6 NMSA 1978) as it applies to gas processing plants by statute and by delegation from the Water Quality Control Commission pursuant to Section 74-6-4(E) NMSA 1978.

The Water Quality Act and the rules issued under that Act protect ground water and surface water of the State of New Mexico by providing that, unless otherwise allowed by rule, no person shall cause or allow effluent or leachate to discharge so that it may move directly or indirectly into ground water unless such discharge is pursuant to an approved discharge plan. See 20.6.2.3104 NMAC and 20.6.2.3106 NMAC.

This Discharge Permit does not authorize any treatment of, or on-site disposal of, any materials, product, by-product, or oil field waste, including, but not limited to, the on-site disposal of lube oil, glycol, antifreeze, filters, elemental sulfur, washdown water, contaminated soil, and cooling tower blowdown water.

This Discharge Permit does not convey any property rights of any sort nor any exclusive privilege, and does not authorize any injury to persons or property, any invasion of other private rights, or any infringement of state, federal, or local laws, rules or regulations.

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The Owner/Operator shall operate in accordance with the Discharge Permit conditions to comply with the Water Quality Act and the rules issued pursuant to that Act, so that neither a hazard to public health nor undue risk to property will result (see 20.6.2.3109C NMAC); so that no discharge will cause or may cause any stream standard to be violated (see 20.6.2.3109H(2) NMAC); so that no discharge of any water contaminant will result in a hazard to public health, (see 20.6.2.3109H(3) NMAC); and so that the numerical standards specified of 20.6.2.3103 NMAC are not exceeded.

The Owner/Operator shall not allow or cause water pollution, discharge, or release of any water contaminant that exceeds the Water Quality Control Commission (WQCC) standards specified at 20.6.2.3101 NMAC and 20.6.2.3103 NMAC or 20.6.4 NMAC (Water Quality Standards for Interstate and Intrastate Streams).

C. DISCHARGE PERMIT CONDITIONS: By signing this Discharge Permit, the Owner/Operator agrees to the specific provisions set out in this document, and the commitments made in the approved Discharge Plan Application and the attachments to that application, which are incorporated into the Discharge Permit by reference.

If this Discharge Permit is a permit renewal, it replaces the permit being renewed. Replacement of a prior permit does not relieve the Owner/Operator of its responsibility to comply with the terms of that prior permit while that permit was in effect.

D. DEFINITIONS: Terms not specifically defined in this Discharge Permit shall have the same meanings as those in the Water Quality Act or the rules adopted pursuant to that Act, as the context requires.

E. FILING FEES AND PERMIT FEES: Pursuant to 20.6.2.3114 NMAC, every facility that submits a discharge permit application for initial approval or renewal shall pay the permit fees specified in Table 1 and the filing fee specified in Table 2 of 20.6.2.3114 NMAC. OCD has already received the required $100.00 filing fee for this application. The flat fee for "Abatement of Ground Water and Vadose Zone Contamination at Oil and Gas Sites" is $2,600.00. The Owner/Operator shall submit this amount along with the signed Discharge Permit. Checks should be payable to the **"New Mexico Water Quality Management Fund,"** not the Oil Conservation Division.

F. EFFECTIVE DATE, EXPIRATION, RENEWAL CONDITIONS, AND PENALTIES FOR OPERATING WITHOUT A DISCHARGE PERMIT: This Discharge Permit is effective when the Division's Environmental Bureau receives the signed Discharge Permit from the Owner/Operator and the $2,600.00 fee. This Discharge Permit will expire on March 16, 2016. The Owner/Operator shall submit an application for renewal no later than 120 calendar days before that expiration date, pursuant to 20.6.2.3106F NMAC. If an Owner/Operator submits a renewal application at least 120 calendar days before the Discharge Permit expires and is in compliance with the approved Discharge Permit, then the existing Discharge Permit will not expire until OCD has approved or disapproved the renewal application. Operating with an expired Discharge Permit may subject the Owner/Operator to

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civil and/or criminal penalties. See Section 74-6-10.1 NMSA 1978 and Section 74-6-10.2 NMSA 1978.

G. MODIFICATIONS: The Owner/Operator shall notify the Division's Environmental Bureau of any facility expansion, production increase, or process modification that would result in any significant modification in the discharge of water contaminants. See 20.6.2.3107C NMAC. The Division's Environmental Bureau may require the Owner/Operator to submit a permit modification pursuant to 20.6.2.3109E NMAC and may modify or terminate a permit pursuant to Section 74-6-5(M) through (N) NMSA 1978.

H. TRANSFER OF DISCHARGE PERMIT: Prior to any transfer of ownership, control, or possession (whether by lease, conveyance or otherwise) of the Facility, the transferor shall notify the transferee in writing of the existence of the Discharge Permit, and shall deliver or send by certified mail to the Division's Environmental Bureau a copy of such written notification, together with a certification or other proof that such notification has been received by the transferee pursuant to 20.6.2.3111 NMAC. Upon receipt of such notification, the transferee shall inquire into all of the provisions and requirements contained in the Discharge Permit, and the transferee shall be charged with notice of all such provisions and requirements as they appear of record in the Division's file or files concerning the Discharge Permit. Upon assuming either ownership or possession of the Facility the transferee shall have the same rights and responsibilities under the Discharge Permit as were applicable to the transferor. See 20.6.2.3111 NMAC.

Transfer of the ownership, control, or possession of the Facility does not relieve the transferor of responsibility or liability for any act or omission which occurred while the transferor owned, controlled, or was in possession of the Facility. See 20.6.2.3111E NMAC.

I. CLOSURE PLAN AND FINANCIAL ASSURANCE: The Owner/Operator shall notify the Division's Environmental Bureau in writing when any operations of its Facility are to be discontinued for a period in excess of six months. Upon review of the Owner/Operator's notice, the Division's Environmental Bureau will determine whether to modify this permit pursuant to 20.6.2.3107 NMAC and 20.6.2.3109E NMAC or to require the Owner/Operator to submit a closure plan and/or post-closure plan, including financial assurance.

J. COMPLIANCE AND ENFORCEMENT: If the Owner/Operator violates or is violating a condition of this Discharge Permit, the Division's Environmental Bureau may issue a compliance order requiring compliance immediately or within a specified time period, suspending or terminating this Discharge Permit, and/or assessing a civil penalty. See Section 74-6-10 NMSA 1978. The Division's Environmental Bureau may also commence a civil action in district court for appropriate relief, including injunctive relief. See Section 74-6-10(A)(2) NMSA 1978 and Section 74-6-11 NMSA 1978. The Owner/Operator may be subject to criminal penalties for discharging a water contaminant without a discharge permit or in violation of a condition of a discharge permit; making any false material statement, representation, certification or omission of material fact in an application, record, report, plan or other document filed, submitted or required to be maintained under the Water Quality Act; falsifying, tampering with

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or rendering inaccurate any monitoring device, method or record required to be maintained under the Water Quality Act; or failing to monitor, sample or report as required by a permit issued pursuant to a state or federal law or regulation. See Section 74-6-10.2 NMSA 1978.

2. GENERAL FACILITY OPERATIONS:

A. OPERATIONAL MONITORING: The Owner/Operator shall comply with its approved monitoring programs pursuant 20.6.2.3107 NMAC.

1. Ground Water Monitoring System: The Owner/Operator shall monitor and sample all ground water monitor wells in accordance with its approved ground water abatement program.

2. Disposal of Chloride Contaminated Ground Water:

a. The Owner/Operator shall monitor its ground water recovery wells in accordance with its approved ground water abatement program.

b. The Owner/Operator shall determine the monthly volume and Total Dissolved Solids concentration of the contaminated ground water that it disposes of in accordance with its approved ground water abatement program.

B. CONTINGENCY PLANS: The Owner/Operator shall implement its approved Contingency Plans to cope with failure of the discharge permit or system in accordance with Permit Condition 2.F.

C. CLOSURE PLAN: After completing abatement of all ground water and vadose contamination required under Permit Condition 2.G, the Owner/Operator shall perform the following closure measures:

1. Remove or plug all lines leading to and from ground water recovery or injection wells so that a discharge can no longer occur.

2. Remove all abatement system components from the site, if applicable.

3. After receiving notification from the Division's Environmental Bureau that post-closure monitoring may cease, the Owner/Operator shall plug and abandon its monitor well(s).

D. RECORD KEEPING: The Owner/Operator shall maintain records of all inspections required by this Discharge Permit at its local office located at 240 Avenue O, Eunice, NM 88231 for a minimum of five years and shall make those records available for inspection by the Division's Environmental Bureau.

E. RELEASE REPORTING: The Owner/Operator shall comply with the following permit conditions, pursuant to 20.6.2.1203 NMAC, if it determines that a release of oil or other water contaminant, in such quantity as may with reasonable probability injure or be detrimental

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to human health, animal or plant life, or property, or unreasonably interfere with the public welfare or the use of property, has occurred. The Owner/Operator shall report unauthorized releases of water contaminants in accordance with any additional commitments made in its approved Contingency Plan. If the Owner/Operator determines that any constituent exceeds the standards specified at 20.6.2.3103 NMAC, then it shall report a release to the Division's Environmental Bureau.

1. **Oral Notification:** As soon as possible after learning of such a discharge, but in no event more than twenty-four (24) hours thereafter, the Owner/Operator shall orally notify the Division's Environmental Bureau. The Owner/Operator shall provide the following:

- the name, address, and telephone number of the person or persons in charge of the facility, as well as of the Owner/Operator of the facility;
- the name and location of the facility;
- the date, time, location, and duration of the discharge;
- the source and cause of discharge;
- a description of the discharge, including its chemical composition;
- the estimated volume of the discharge; and,
- any actions taken to mitigate immediate damage from the discharge.

2. **Written Notification:** Within one week after the Owner/Operator has learned of the discharge, the Owner/Operator shall send written notification to the Division's Environmental Bureau verifying the prior oral notification as to each of the foregoing items and providing any appropriate additions or corrections to the information contained in the prior oral notification.

F. ABATEMENT PLAN: Pursuant to 20.6.2.4105A(6) NMAC, an Owner/Operator is exempt from the requirement to obtain and implement an Abatement Plan, as required in 20.6.2.4104 NMAC. However, an Owner/Operator's Discharge Permit must address abatement of contaminated ground water and be consistent with the requirements and provisions of Sections 20.6.2.4101, 20.6.2.4103, Subsections C and E of Section 20.6.2.4106, Sections 20.6.2.4107 and 20.6.2.4112 NMAC.

1. **Purpose of Abatement Plan:** The Owner/Operator shall abate polluted ground water so as to either remediate or protect the ground water for use as domestic and agricultural water supply.

2. **Abatement Standards and Requirements:** The Owner/Operator shall abate the vadose zone so that water contaminants in the vadose zone shall not contaminate ground water or surface water, through leaching, percolation or as the water table elevation fluctuates. The Owner/Operator, where the Total Dissolved Solids concentration is 10,000 mg/L or less, shall abate contaminated ground water so that toxic pollutant(s), as defined in 20.6.2.7WW NMAC, shall not be present and so that the standards of 20.6.2.3103 NMAC shall be met.

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3. **Ground Water Abatement:** The Owner/Operator shall implement its approved ground water abatement program until it has remediated the contaminated ground water to meet the standards and requirements set forth in 20.6.2.4103 NMAC.

4. **Completion and Termination:** Pursuant to 20.6.2.4112 NMAC, abatement shall be considered complete when the standards and requirements specified in 20.6.2.4103 NMAC are met. At that time, the Owner/Operator shall submit an abatement completion report, documenting compliance with the standards and requirements set forth in 20.6.2.4103 NMAC and this Discharge Permit, to Division's Environmental Bureau for approval. The abatement completion report also shall propose any changes to long term monitoring and site maintenance activities, if needed, to be performed after termination of the abatement plan.

G. OTHER REQUIREMENTS:

1. **Inspection and Entry:** Pursuant to 20.6.2.4107A NMAC, the Owner/Operator shall allow the Division's Environmental Bureau, upon the presentation of proper credentials, to:

- enter the facility at reasonable times;
- inspect and copy records required by this discharge permit;
- inspect any treatment works, monitoring, and analytical equipment;
- sample any wastes, ground water, surface water, stream sediment, plants, animals, or vadose-zone material including vadose-zone vapor;
- use the Owner/Operator's monitoring systems and wells in order to collect samples; and
- gain access to off-site property not owned or controlled by the Owner/Operator, but accessible to the Owner/Operator through a third-party access agreement, provided that it is allowed by the agreement.

2. **Advance Notice:** Pursuant to 20.6.2.4107B NMAC, The Owner/Operator shall provide the Division's Environmental Bureau with at least four (4) working days advance notice of any sampling to be performed pursuant to this Discharge Permit, or any well plugging, abandonment or destruction at the facility site.

3. **Plugging and Abandonment:** Pursuant to 20.6.2.4107C NMAC, the Owner/Operator shall request by certified mail, approval by the Division's Environmental Bureau to plug and abandon a monitor well, unless such approval is required from the State Engineer. The proposed action shall be designed to prevent water pollution that could result from water contaminants migrating through the well or borehole. The proposed action shall not take place without written approval from the Division's Environmental Bureau, unless written approval or disapproval is not received by the Owner/Operator within thirty (30) days of the date of receipt of the proposal.

H. ANNUAL REPORT: The Owner/Operator shall submit its annual report for each calendar year pursuant to 20.6.2.3107 NMAC to the Division's Environmental Bureau by March 15th of the following year . The annual report shall include the following:

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1. Results of its ground water monitoring program; including:

- summary tables listing laboratory analytic results of all ground water and soil samples. Any WQCC constituent found to exceed the groundwater standard shall be highlighted and noted in the annual report. Copies of the most recent year's laboratory analytical data sheets shall also be submitted.
- annual water table potentiometric maps. A corrected water table elevation shall be determined for all wells containing non-aqueous phase liquids. These maps shall show well locations, pertinent site features, and the direction and magnitude of the hydraulic gradient.
- semi-annual isopleth maps for the following constituents: non-aqueous phase liquids; chlorides; and, BTEX.
- semi-annual geologic cross-sections (both dip and strike), using the geologic/lithologic logs from the monitor, recovery, and injection wells, depicting the concentrations for the following constituents: non-aqueous phase liquids; chlorides; and, BTEX.
- estimate or measure of the volume of contaminated ground water discharged during each quarter and the total volume discharged to date.

2. Summary of any releases and corrective actions taken in accordance with its approved Contingency Plan.

3. **CLASS V WELLS:** Pursuant to 20.6.2.5002B NMAC, leach fields and other wastewater disposal systems at Division-regulated facilities that inject non-hazardous fluid into or above an underground source of drinking water are UIC Class V injection wells. This Discharge Permit does not authorize the use of a Class V injection well for the disposal of industrial waste at the Facility. Pursuant to 20.6.2.5005 NMAC, the Owner/Operator shall close any Class V industrial waste injection wells at its Facility that inject non-hazardous industrial wastes or a mixture of industrial wastes and domestic wastes (*e.g.,* septic systems, leach fields, dry wells, *etc.*) within 90 calendar days of the issuance of this Discharge Permit. The Owner/Operator shall document the closure of any Class V wells used for the disposal of non-hazardous industrial wastes or a mixture of industrial wastes and domestic wastes other than contaminated ground water in its Annual Report.

Other Class V wells, including wells used only for the injection of domestic wastes, must be permitted by the New Mexico Environment Department.

4. **SCHEDULE OF COMPLIANCE:**

A. PERMIT CERTIFICATION: The Owner/Operator shall sign and return this Permit to the Division's Environmental Bureau within 45 days of its receipt of this Permit.

B. SUBMISSION OF THE PERMIT FEES: As specified in Permit Condition 1.F, the Owner/Operator shall submit the fee of $2,600.00 along with the signed Discharge

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Permit within 45 days of the receipt of the Discharge Permit. Checks should be payable to the **"New Mexico Water Quality Management Fund,"** not the Oil Conservation Division.

C. ANNUAL REPORT: As specified in Permit Condition 2.H, the Owner/Operator shall submit its annual report to the Division's Environmental Bureau by March 15th of the following year.

D. REQUIREMENT TO RESUME ABATEMENT PROGRAM: In February 2011, Chevron notified OCD that Targa would no longer allow Chevron to discharge contaminated ground water to its on-site UIC Class II injection well. Consequently, Chevron temporarily ceased operating its ground water abatement program. Chevron shall propose an alternate method of disposing the contaminated ground water to OCD no later than ninety (90) days after the issuance of this discharge permit.

5. CERTIFICATION: (OWNER/OPERATOR) by the officer whose signature appears below, acknowledges receipt of this Discharge Permit, and has reviewed its terms and conditions.

Chevron U.S.A. INC.
Company Name - print name

Robert A. Guldner
Company Representative - print name

Company Representative - Signature

Title: Manager OE/HES

Date: 01/23/2012

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APPENDIX B

Geologic Cross Sections

C:\Users\shasarek6736\ACCDocs\Arcadis\AUS-CHEVRON-FORMER EUNICE SOUTH GAS PLANT-EUNICE New Mexico\Project Files\2023\01-In Progress\01-DWG\GEN-F02-WELL LOCATION AND MONITORING PLAN.dwg LAYOUT: 2 SAVED: 1/20/2023 12:16 PM ACADVER: 24.1S (LMS TECH)
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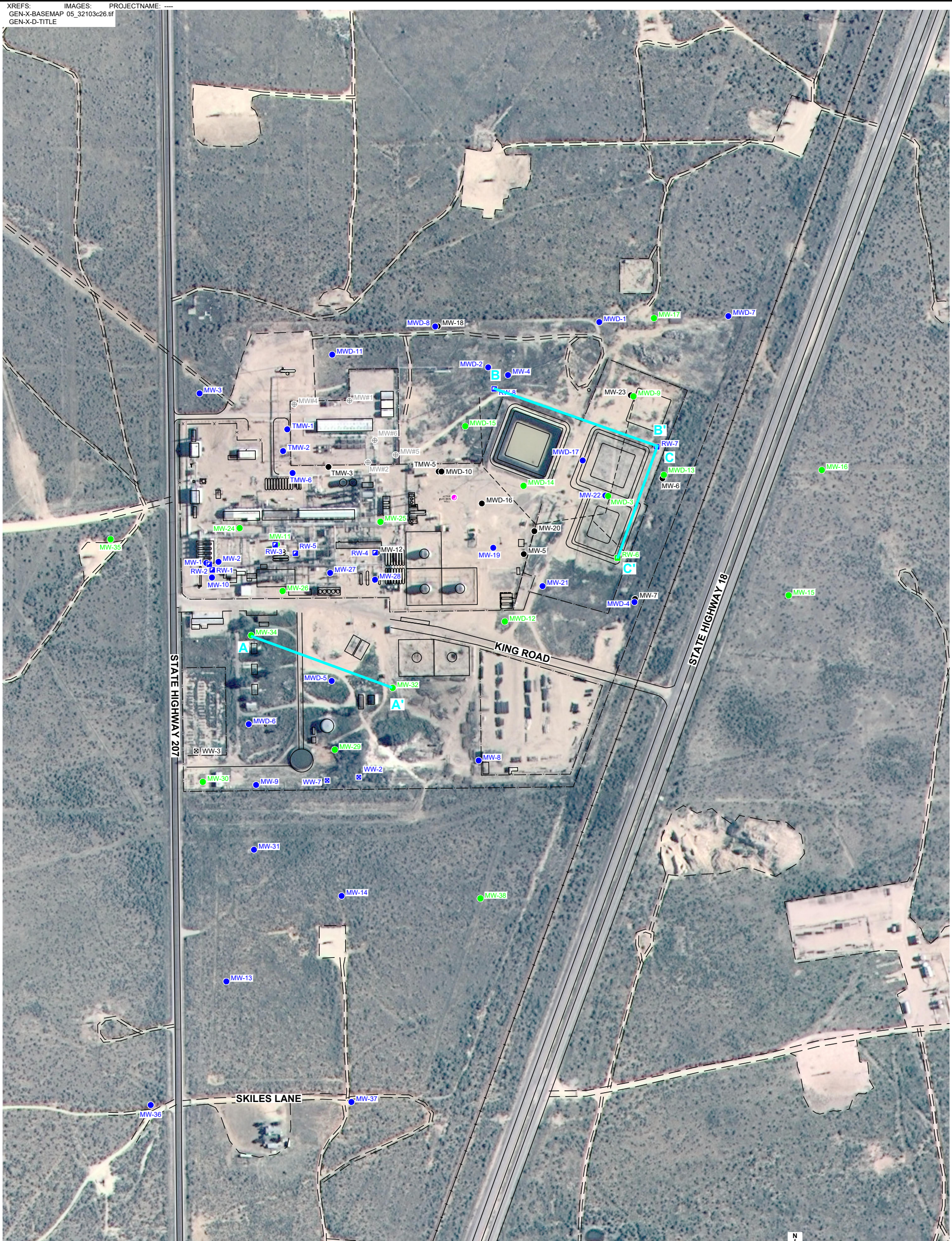

LEGEND

- MONITORING WELLS
- TARGA'S ONSITE INJECTION WELL
- RECOVERY WELL
- INACTIVE WATER WELL
- OFFSITE PROPERTY WELL (NOT SAMPLED)
- LOCATIONS IN **BLUE** ARE SAMPLED ANNUALLY
- LOCATIONS IN **GREEN** ARE SAMPLED SEMIANNUALLY
- LOCATIONS IN **BLACK** ARE NOT SAMPLED AT THIS TIME
- A —— A' CROSS SECTION LOCATION

NOTES:

1. MAP PROJECTED TO NAD83 NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, FEET.
2. AERIAL IMAGERY PROVIDED BY USGS EARTH EXPLORER, ACCESSED APRIL 2016.
3. WELLS SURVEYED 1998, 2000, 2001, 2002, AND 2006 BY PIPER SURVEYING COMPANY. NAD27 NM S.P. EAST, FEET.
4. SITE FEATURES PROVIDED BY CRA

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER EUNICE SOUTH GAS PLANT
EUNICE, LEA COUNTY, NEW MEXICO

CROSS SECTION LOCATION MAP

ARCADIS

FIGURE
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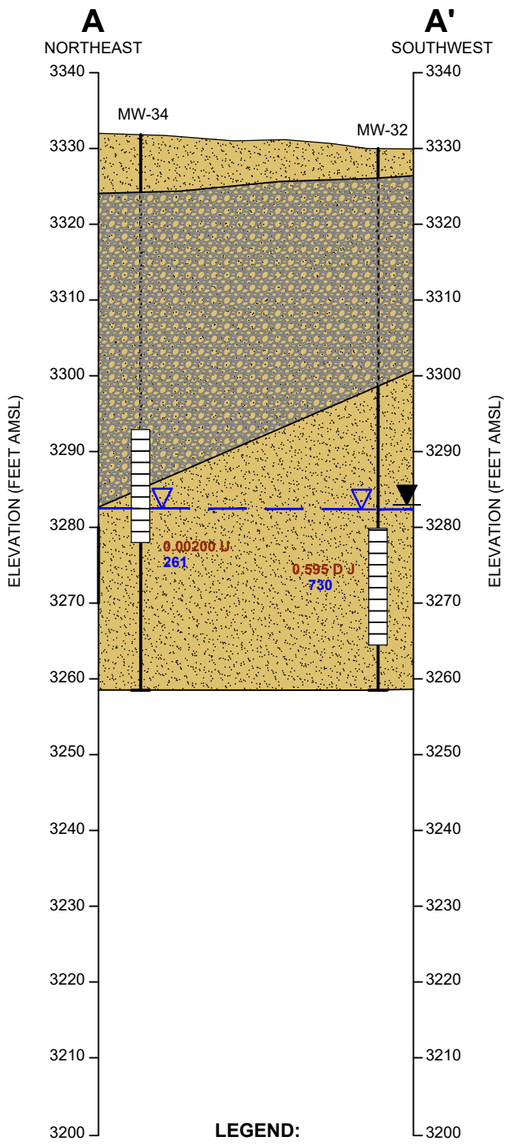
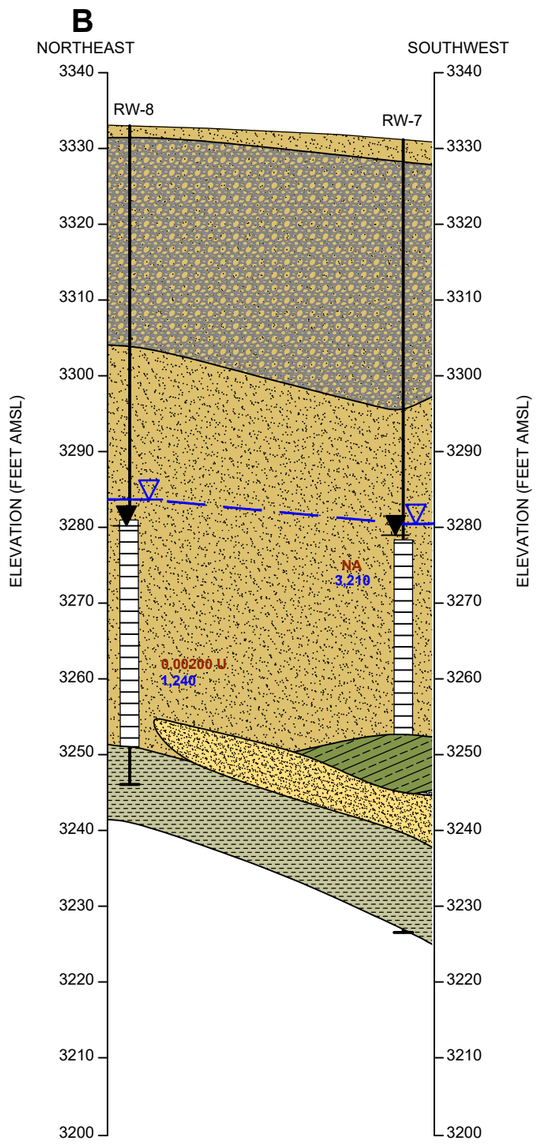
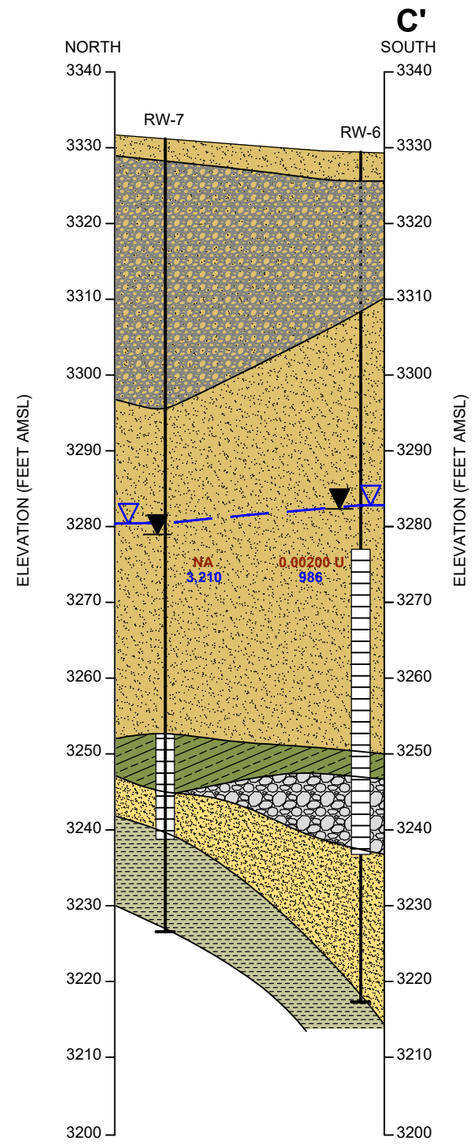
CITY:(KNOXVILLE) DIV/GROUP:(ENV/GIS) DB:(B.ALTOM) LD:(C.SMITH) PIC:(M.FLEISCHNER) PM:(L.MINER) TM:(J.FRIZZELL)
C:\Users\arl00071\ACCDocs\Arcadis\AUS-CHEVRON-FORMER EUNICE SOUTH GAS PLANT-EUNICE New Mexico\Project Files\2023\01-In Progress\01-DWG\GEN-F02-2022-GEOLOGIC CROSS SECTIONS.dwg LAYOUT: A-A' AND B-B' SAVED: 2/1/2023 6:25 PM ACADVER: 24.1S (LMS TECH) PAGESETUP:
---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 2/1/2023 6:26 PM BY: R. ANITA







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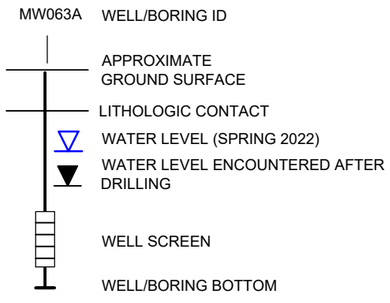
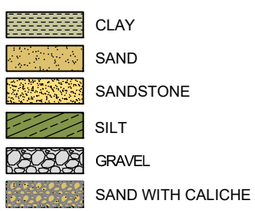
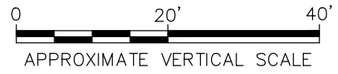
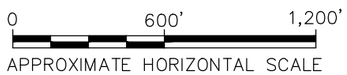




0.595 D J	SPRING 2022 BENZENE CONCENTRATION (mg/L)
3,210	SPRING 2022 CHLORIDE CONCENTRATION (mg/L)
J	ESTIMATED VALUE
U	NON-DETECT
D	DILUTED SAMPLE
NA	NOT ANALYSED





CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER EUNICE SOUTH GAS PLANT
EUNICE, LEA COUNTY, NEW MEXICO

GEOLOGIC CROSS-SECTIONS

ARCADIS

FIGURE
2

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APPENDIX C

Historical Groundwater Elevations

Appendix C
Historical Groundwater Elevations
2022 Annual Groundwater Monitoring Report
Former Eunice South Gas Plant
Eunice, Lea County, New Mexico

ARCADIS Design & Consultancy for natural and built assets

Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet btoc)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	LNAPL Specific Gravity	Uncorrected Groundwater Elevation (feet amsl)	Corrected Groundwater Elevation (feet amsl)[1]
MW-1	2/18/2009	3335.09	54.27	51.96	2.31	0.74	3280.82	3282.53
MW-1	8/5/2009	3335.09	54.30	52.03	2.27	0.74	3280.79	3282.47
MW-1	2/2/2010	3335.09	54.65	52.10	2.55	0.74	3280.44	3282.33
MW-1	8/2/2010	3335.09	54.69	52.18	2.51	0.74	3280.40	3282.26
MW-1	4/4/2011	3335.09	54.50	51.97	2.53	0.74	3280.59	3282.46
MW-1	8/8/2011	3335.09	54.40	51.95	2.45	0.74	3280.69	3282.50
MW-1	2/6/2012	3335.09	54.73	52.18	2.55	0.74	3280.36	3282.25
MW-1	8/7/2012	3335.09	54.53	51.88	2.65	0.74	3280.56	3282.52
MW-1	2/5/2013	3335.09	54.39	52.01	2.38	0.74	3280.70	3282.46
MW-1	8/5/2013	3335.09	54.42	51.85	2.57	0.74	3280.67	3282.57
MW-1	2/3/2014	3335.09	54.35	51.85	2.5	0.74	3280.74	3282.59
MW-1	8/5/2014	3335.09	54.40	51.85	2.55	0.74	3280.69	3282.58
MW-1	2/2/2015	3335.09	53.38	51.62	1.76	0.74	3281.71	3283.01
MW-1	8/3/2015	3335.09	53.47	51.54	1.93	0.74	3281.62	3283.05
MW-1	3/29/2016	3335.09	NM	51.41	NA	0.74	NM	NM
MW-1	9/13/2016	3335.09	53.11	51.41	1.7	0.74	3281.98	3283.24
MW-1	4/3/2017	3335.09	52.96	51.31	1.65	0.74	3282.13	3283.35
MW-1	3/13/2018	3335.09	54.81	53.06	1.75	0.74	3280.28	3281.58
MW-1	9/24/2018	3335.09	NM	53.06	NA	0.74	NM	NM
MW-1	4/1/2019	3335.09	54.60	53.18	1.42	0.74	3280.49	3281.54
MW-1	10/1/2019	3335.09	54.74	53.29	1.45	0.74	3280.35	3281.42
MW-1	3/17/2020	3335.09	54.71	53.25	1.46	0.74	3280.38	3281.46
MW-1	3/15/2021	3335.09	54.68	53.22	1.46	0.74	3280.41	3281.49
MW-1	9/29/2021	3335.09	53.27	NM	NA	0.74	3281.82	3281.82
MW-1	2/22/2022	3335.09	54.80	53.35	1.45	0.74	3280.29	3281.36
MW-2	2/18/2009	3335.7	56.44	53.85	2.59	0.74	3279.26	3281.18
MW-2	8/5/2009	3335.7	54.90	52.21	2.69	0.74	3280.80	3282.79
MW-2	2/2/2010	3335.7	54.93	52.25	2.68	0.74	3280.77	3282.75
MW-2	8/2/2010	3335.7	54.85	52.34	2.51	0.74	3280.85	3282.71
MW-2	4/4/2011	3335.7	54.90	52.15	2.75	0.74	3280.80	3282.84
MW-2	8/8/2011	3335.7	54.52	52.21	2.31	0.74	3281.18	3282.89
MW-2	2/6/2012	3335.7	54.97	52.22	2.75	0.74	3280.73	3282.77
MW-2	8/7/2012	3335.7	NM	52.09	NA	0.74	NM	NM
MW-2	2/5/2013	3335.7	54.61	52.06	2.55	0.74	3281.09	3282.98
MW-2	8/5/2013	3335.7	49.50	52.03	-2.53	0.74	3286.20	3284.33
MW-2	2/3/2014	3335.7	NM	52.07	NA	0.74	NM	NM
MW-2	8/5/2014	3335.7	NM	52.05	NA	0.74	NM	NM
MW-2	2/2/2015	3335.7	53.65	51.80	1.85	0.74	3282.05	3283.42
MW-2	8/3/2015	3335.7	53.81	51.80	2.01	0.74	3281.89	3283.38
MW-2	3/29/2016	3335.7	53.36	51.60	1.76	0.74	3282.34	3283.64
MW-2	9/13/2016	3335.7	53.41	51.61	1.8	0.74	3282.29	3283.62
MW-2	4/3/2017	3335.7	53.15	51.49	1.66	0.74	3282.55	3283.78
MW-2	3/13/2018	3335.7	53.00	51.48	1.52	0.74	3282.70	3283.82
MW-2	9/24/2018	3335.7	NM	51.48	NA	0.74	NM	NM
MW-2	4/1/2019	3335.7	52.96	51.48	1.48	0.74	3282.74	3283.84
MW-2	10/1/2019	3335.7	53.10	51.58	1.52	0.74	3282.60	3283.72
MW-2	3/17/2020	3335.7	53.57	51.55	2.02	0.74	3282.13	3283.62
MW-2	3/18/2021	3335.7	53.05	51.4	1.65	0.74	3282.65	3283.87
MW-2	9/29/2021	3335.7	53.03	51.58	1.45	0.74	3282.67	3283.74
MW-2	2/22/2022	3335.7	52.99	51.46	1.53	0.74	3282.71	3283.84
MW-3	2/9/2009	3339.65	56.24	NM	NA	NA	3283.41	3283.41
MW-3	8/5/2009	3339.65	56.25	NM	NA	NA	3283.40	3283.40
MW-3	2/2/2010	3339.65	56.30	NM	NA	NA	3283.35	3283.35
MW-3	8/2/2010	3339.65	56.31	NM	NA	NA	3283.34	3283.34
MW-3	4/4/2011	3339.65	56.20	NM	NA	NA	3283.45	3283.45
MW-3	8/8/2011	3339.65	56.15	NM	NA	NA	3283.50	3283.50
MW-3	2/6/2012	3339.65	56.12	NM	NA	NA	3283.53	3283.53
MW-3	8/6/2012	3339.65	56.10	NM	NA	NA	3283.55	3283.55
MW-3	2/5/2013	3339.65	56.10	NM	NA	NA	3283.55	3283.55
MW-3	8/5/2013	3339.65	56.18	NM	NA	NA	3283.47	3283.47
MW-3	2/3/2014	3339.65	56.06	NM	NA	NA	3283.59	3283.59
MW-3	8/5/2014	3339.65	56.06	NM	NA	NA	3283.59	3283.59
MW-3	2/2/2015	3339.65	55.80	NM	NA	NA	3283.85	3283.85
MW-3	8/3/2015	3339.65	55.73	NM	NA	NA	3283.92	3283.92
MW-3	3/29/2016	3339.65	55.60	NM	NA	NA	3284.05	3284.05
MW-3	9/12/2016	3339.65	55.51	NM	NA	NA	3284.14	3284.14
MW-3	4/3/2017	3339.65	55.49	NM	NA	NA	3284.16	3284.16
MW-3	9/12/2017	3339.65	55.44	NM	NA	NA	3284.21	3284.21
MW-3	3/13/2018	3339.65	55.33	NM	NA	NA	3284.32	3284.32
MW-3	9/24/2018	3339.65	55.41	NM	NA	NA	3284.24	3284.24
MW-3	4/1/2019	3339.65	55.30	NM	NA	NA	3284.35	3284.35
MW-3	10/1/2019	3339.65	55.40	NM	NA	NA	3284.25	3284.25
MW-3	3/16/2020	3339.65	55.30	NM	NA	NA	3284.35	3284.35
MW-3	3/17/2021	3339.65	55.25	NM	NA	NA	3284.40	3284.40
MW-3	9/20/2021	3339.65	55.26	NM	NA	NA	3284.39	3284.39
MW-3	2/22/2022	3339.65	55.33	NM	NA	NA	3284.32	3284.32

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Appendix C
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2022 Annual Groundwater Monitoring Report
Former Eunice South Gas Plant
Eunice, Lea County, New Mexico

ARCADIS Design & Consultancy for natural and built assets

Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet btoc)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	LNAPL Specific Gravity	Uncorrected Groundwater Elevation (feet amsl)	Corrected Groundwater Elevation (feet amsl)[1]
MW-4	2/11/2009	3333.25	51.99	NM	NA	NA	3281.26	3281.26
MW-4	8/4/2009	3333.25	51.43	NM	NA	NA	3281.82	3281.82
MW-4	2/2/2010	3333.25	51.91	NM	NA	NA	3281.34	3281.34
MW-4	8/2/2010	3333.25	51.76	NM	NA	NA	3281.49	3281.49
MW-4	4/4/2011	3333.25	50.98	NM	NA	NA	3282.27	3282.27
MW-4	8/8/2011	3333.25	50.80	NM	NA	NA	3282.45	3282.45
MW-4	2/6/2012	3333.25	50.72	NM	NA	NA	3282.53	3282.53
MW-4	8/7/2012	3333.25	50.62	NM	NA	NA	3282.63	3282.63
MW-4	2/5/2013	3333.25	50.55	NM	NA	NA	3282.70	3282.70
MW-4	8/5/2013	3333.25	50.66	NM	NA	NA	3282.59	3282.59
MW-4	2/5/2014	3333.25	50.51	NM	NA	NA	3282.74	3282.74
MW-4	8/5/2014	3333.25	50.86	NM	NA	NA	3282.39	3282.39
MW-4	2/2/2015	3333.25	50.47	NM	NA	NA	3282.78	3282.78
MW-4	8/3/2015	3333.25	50.40	NM	NA	NA	3282.85	3282.85
MW-4	3/29/2016	3333.25	50.27	NM	NA	NA	3282.98	3282.98
MW-4	9/12/2016	3333.25	50.23	NM	NA	NA	3283.02	3283.02
MW-4	4/3/2017	3333.25	50.18	NM	NA	NA	3283.07	3283.07
MW-4	9/12/2017	3333.25	50.10	NM	NA	NA	3283.15	3283.15
MW-4	3/12/2018	3333.25	49.94	NM	NA	NA	3283.31	3283.31
MW-4	9/24/2018	3333.25	50.02	NM	NA	NA	3283.23	3283.23
MW-4	4/1/2019	3333.25	49.80	NM	NA	NA	3283.45	3283.45
MW-4	10/1/2019	3333.25	50.01	NM	NA	NA	3283.24	3283.24
MW-4	3/16/2020	3333.25	49.78	NM	NA	NA	3283.47	3283.47
MW-4	3/18/2021	3333.25	49.49	NM	NA	NA	3283.76	3283.76
MW-4	9/20/2021	3333.25	49.43	NM	NA	NA	3283.82	3283.82
MW-4	2/22/2022	3333.25	49.47	NM	NA	NA	3283.78	3283.78
MW-5	2/4/2009	3333.85	52.62	52.60	0.02	0.82	3281.23	3281.25
MW-5	3/18/2009	3333.85	52.93	52.56	0.37	0.82	3280.92	3281.22
MW-5	8/5/2009	3333.85	53.04	52.64	0.4	0.82	3280.81	3281.14
MW-5	2/2/2010	3333.85	53.80	52.86	0.94	0.82	3280.05	3280.82
MW-5	8/2/2010	3333.85	53.32	53.31	0.01	0.82	3280.53	3280.54
MW-5	4/4/2011	3333.85	NM	NM	NA	0.82	NM	NM
MW-5	8/8/2011	3333.85	58.07	55.20	2.87	0.82	3275.78	3278.13
MW-5	2/6/2012	3333.85	53.23	52.80	0.43	0.82	3280.62	3280.97
MW-5	8/7/2012	3333.85	55.10	51.66	3.44	0.82	3278.75	3281.57
MW-5	2/5/2013	3333.85	56.10	51.35	4.75	0.82	3277.75	3281.65
MW-5	8/5/2013	3333.85	56.15	51.43	4.72	0.82	3277.70	3281.57
MW-5	2/3/2014	3333.85	55.80	51.56	4.24	0.82	3278.05	3281.53
MW-5	8/5/2014	3333.85	56.19	51.60	4.59	0.82	3277.66	3281.42
MW-5	2/2/2015	3333.85	53.40	50.80	2.6	0.82	3280.45	3282.58
MW-5	8/3/2015	3333.85	54.33	50.86	3.47	0.82	3279.52	3282.37
MW-5	3/29/2016	3333.85	53.21	50.70	2.51	0.82	3280.64	3282.70
MW-5	9/13/2016	3333.85	53.21	50.66	2.55	0.82	3280.64	3282.73
MW-5	4/3/2017	3333.85	53.62	50.51	3.11	0.82	3280.23	3282.78
MW-5	3/15/2018	3333.85	53.30	50.47	2.83	0.82	3280.55	3282.87
MW-5	9/24/2018	3333.85	NM	50.47	NA	0.82	NM	NM
MW-5	3/17/2020	3333.85	54.43	50.61	3.82	0.82	3279.42	3282.55
MW-5	3/15/2021	3333.85	53.84	50.43	3.41	0.82	3280.01	3282.81
MW-5	9/20/2021	3333.85	52.29	50.36	1.93	0.82	3281.56	3283.14
MW-5	2/22/2022	3333.85	53.34	50.38	2.96	0.82	3280.51	3282.94
MW-6	2/5/2009	3332.33	52.14	NM	NA	NA	3280.19	3280.19
MW-6	8/4/2009	3332.33	52.20	NM	NA	NA	3280.13	3280.13
MW-6	2/2/2010	3332.33	52.53	NM	NA	NA	3279.80	3279.80
MW-6	8/2/2010	3332.33	52.95	NM	NA	NA	3279.38	3279.38
MW-6	4/4/2011	3332.33	51.23	NM	NA	NA	3281.10	3281.10
MW-6	8/8/2011	3332.33	50.94	NM	NA	NA	3281.39	3281.39
MW-6	2/6/2012	3332.33	50.87	NM	NA	NA	3281.46	3281.46
MW-6	8/17/2012	3332.33	60.68	NM	NA	NA	3271.65	3271.65
MW-6	2/5/2013	3332.33	50.61	NM	NA	NA	3281.72	3281.72
MW-6	8/5/2013	3332.33	50.70	NM	NA	NA	3281.63	3281.63
MW-6	2/3/2014	3332.33	50.52	NM	NA	NA	3281.81	3281.81
MW-6	8/5/2014	3332.33	51.22	NM	NA	NA	3281.11	3281.11
MW-6	2/2/2015	3332.33	50.40	NM	NA	NA	3281.93	3281.93
MW-6	8/3/2015	3332.33	50.40	NM	NA	NA	3281.93	3281.93
MW-6	3/28/2016	3332.33	50.23	NM	NA	NA	3282.10	3282.10
MW-6	9/7/2016	3332.33	50.11	NM	NA	NA	3282.22	3282.22
MW-6	4/3/2017	3332.33	50.20	NM	NA	NA	3282.13	3282.13
MW-6	3/12/2018	3332.33	50.01	NM	NA	NA	3282.32	3282.32
MW-6	4/1/2019	3332.33	49.14	NM	NA	NA	3283.19	3283.19
MW-6	3/16/2020	3332.33	49.90	NM	NA	NA	3282.43	3282.43
MW-6	3/15/2021	3332.33	49.46	NM	NA	NA	3282.87	3282.87
MW-6	9/20/2021	3332.33	49.38	NM	NA	NA	3282.95	3282.95
MW-6	2/25/2022	3332.33	49.71	NM	NA	NA	3282.62	3282.62
MW-7	2/5/2009	3330.43	49.86	NM	NA	NA	3280.57	3280.57
MW-7	8/4/2009	3330.43	50.08	NM	NA	NA	3280.35	3280.35
MW-7	2/2/2010	3330.43	50.25	NM	NA	NA	3280.18	3280.18

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Appendix C
Historical Groundwater Elevations
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ARCADIS Design & Consultancy for natural and built assets

Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet btoc)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	LNAPL Specific Gravity	Uncorrected Groundwater Elevation (feet amsl)	Corrected Groundwater Elevation (feet amsl)[1]
MW-7	8/2/2010	3330.43	50.91	NM	NA	NA	3279.52	3279.52
MW-7	4/4/2011	3330.43	49.48	NM	NA	NA	3280.95	3280.95
MW-7	8/8/2011	3330.43	49.28	NM	NA	NA	3281.15	3281.15
MW-7	2/6/2012	3330.43	49.19	NM	NA	NA	3281.24	3281.24
MW-7	8/17/2012	3330.43	49.12	NM	NA	NA	3281.31	3281.31
MW-7	2/5/2013	3330.43	49.08	NM	NA	NA	3281.35	3281.35
MW-7	8/5/2013	3330.43	49.15	NM	NA	NA	3281.28	3281.28
MW-7	2/3/2014	3330.43	49.00	NM	NA	NA	3281.43	3281.43
MW-7	8/5/2014	3330.43	49.30	NM	NA	NA	3281.13	3281.13
MW-7	2/2/2015	3330.43	47.80	NM	NA	NA	3282.63	3282.63
MW-7	8/3/2015	3330.43	48.05	NM	NA	NA	3282.38	3282.38
MW-7	3/28/2016	3330.43	47.79	NM	NA	NA	3282.64	3282.64
MW-7	9/9/2016	3330.43	47.79	NM	NA	NA	3282.64	3282.64
MW-7	4/3/2017	3330.43	47.78	NM	NA	NA	3282.65	3282.65
MW-7	3/12/2018	3330.43	47.88	NM	NA	NA	3282.55	3282.55
MW-7	9/24/2018	3330.43	NM	NM	NA	NA	NM	NM
MW-7	4/1/2019	3330.43	47.99	NM	NA	NA	3282.44	3282.44
MW-7	3/16/2020	3330.43	48.15	NM	NA	NA	3282.28	3282.28
MW-7	3/15/2021	3330.43	48.90	NM	NA	NA	3281.53	3281.53
MW-7	9/20/2021	3330.43	47.81	NM	NA	NA	3282.62	3282.62
MW-7	2/25/2022	3330.43	47.92	NM	NA	NA	3282.51	3282.51
MW-8	2/2/2009	3330.59	49.48	NM	NA	NA	3281.11	3281.11
MW-8	8/4/2009	3330.59	49.66	NM	NA	NA	3280.93	3280.93
MW-8	2/2/2010	3330.59	49.86	NM	NA	NA	3280.73	3280.73
MW-8	8/2/2010	3330.59	49.83	NM	NA	NA	3280.76	3280.76
MW-8	4/4/2011	3330.59	49.82	NM	NA	NA	3280.77	3280.77
MW-8	8/8/2011	3330.59	49.80	NM	NA	NA	3280.79	3280.79
MW-8	2/6/2012	3330.59	49.84	NM	NA	NA	3280.75	3280.75
MW-8	8/7/2012	3330.59	53.30	NM	NA	NA	3277.29	3277.29
MW-8	2/5/2013	3330.59	49.77	NM	NA	NA	3280.82	3280.82
MW-8	8/5/2013	3330.59	49.74	NM	NA	NA	3280.85	3280.85
MW-8	2/3/2014	3330.59	49.70	NM	NA	NA	3280.89	3280.89
MW-8	2/2/2015	3330.59	48.55	NM	NA	NA	3282.04	3282.04
MW-8	8/3/2015	3330.59	48.64	NM	NA	NA	3281.95	3281.95
MW-8	3/29/2016	3330.59	48.49	NM	NA	NA	3282.10	3282.10
MW-8	9/6/2016	3330.59	48.52	NM	NA	NA	3282.07	3282.07
MW-8	3/12/2018	3330.59	48.43	NM	NA	NA	3282.16	3282.16
MW-8	8/5/2014	3330.59	49.74	NM	NA	NA	3280.85	3280.85
MW-8	4/3/2017	3330.59	48.41	NM	NA	NA	3282.18	3282.18
MW-8	9/11/2017	3330.59	48.37	NM	NA	NA	3282.22	3282.22
MW-8	9/24/2018	3330.59	48.66	NM	NA	NA	3281.93	3281.93
MW-8	4/1/2019	3330.59	48.59	NM	NA	NA	3282.00	3282.00
MW-8	10/1/2019	3330.59	48.76	NM	NA	NA	3281.83	3281.83
MW-8	3/16/2020	3330.59	48.75	NM	NA	NA	3281.84	3281.84
MW-8	3/17/2021	3330.59	48.71	NM	NA	NA	3281.88	3281.88
MW-8	9/29/2021	3330.59	48.56	NM	NA	NA	3282.03	3282.03
MW-8	2/22/2022	3330.59	48.96	NM	NA	NA	3281.63	3281.63
MW-9	2/12/2009	3334.73	53.46	NM	NA	NA	3281.27	3281.27
MW-9	8/5/2009	3334.73	53.56	NM	NA	NA	3281.17	3281.17
MW-9	2/2/2010	3334.73	53.66	NM	NA	NA	3281.07	3281.07
MW-9	8/2/2010	3334.73	53.75	NM	NA	NA	3280.98	3280.98
MW-9	4/4/2011	3334.73	53.71	NM	NA	NA	3281.02	3281.02
MW-9	8/8/2011	3334.73	53.66	NM	NA	NA	3281.07	3281.07
MW-9	2/6/2012	3334.73	53.66	NM	NA	NA	3281.07	3281.07
MW-9	8/6/2012	3334.73	53.71	NM	NA	NA	3281.02	3281.02
MW-9	2/5/2013	3334.73	53.59	NM	NA	NA	3281.14	3281.14
MW-9	8/5/2013	3334.73	53.60	NM	NA	NA	3281.13	3281.13
MW-9	2/3/2014	3334.73	53.50	NM	NA	NA	3281.23	3281.23
MW-9	8/5/2014	3334.73	53.58	NM	NA	NA	3281.15	3281.15
MW-9	2/2/2015	3334.73	53.05	NM	NA	NA	3281.68	3281.68
MW-9	8/3/2015	3334.73	53.03	NM	NA	NA	3281.70	3281.70
MW-9	3/29/2016	3334.73	52.96	NM	NA	NA	3281.77	3281.77
MW-9	9/6/2016	3334.73	52.90	NM	NA	NA	3281.83	3281.83
MW-9	4/3/2017	3334.73	52.84	NM	NA	NA	3281.89	3281.89
MW-9	9/11/2017	3334.73	52.80	NM	NA	NA	3281.93	3281.93
MW-9	3/12/2018	3334.73	52.54	NM	NA	NA	3282.19	3282.19
MW-9	9/24/2018	3334.73	52.84	NM	NA	NA	3281.89	3281.89
MW-9	4/1/2019	3334.73	52.78	NM	NA	NA	3281.95	3281.95
MW-9	10/1/2019	3334.73	52.86	NM	NA	NA	3281.87	3281.87
MW-9	3/16/2020	3334.73	52.83	NM	NA	NA	3281.90	3281.90
MW-9	3/16/2021	3334.73	52.81	NM	NA	NA	3281.92	3281.92
MW-9	9/20/2021	3334.73	52.75	NM	NA	NA	3281.98	3281.98
MW-9	2/22/2022	3334.73	53.09	NM	NA	NA	3281.64	3281.64
MW-10	2/18/2009	3336.38	53.84	53.83	0.01	0.74	3282.54	3282.55
MW-10	8/5/2009	3336.38	53.95	NM	NA	0.74	3282.43	3282.43
MW-10	2/2/2010	3336.38	54.02	NM	NA	0.74	3282.36	3282.36

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ARCADIS Design & Consultancy for natural and built assets

Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet btoc)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	LNAPL Specific Gravity	Uncorrected Groundwater Elevation (feet amsl)	Corrected Groundwater Elevation (feet amsl)[1]
MW-10	8/2/2010	3336.38	54.28	54.05	0.23	0.74	3282.10	3282.27
MW-10	4/4/2011	3336.38	54.60	53.80	0.8	0.74	3281.78	3282.37
MW-10	8/8/2011	3336.38	54.22	53.85	0.37	0.74	3282.16	3282.43
MW-10	2/6/2012	3336.38	54.29	54.23	0.06	0.74	3282.09	3282.13
MW-10	8/7/2012	3336.38	56.40	53.33	3.07	0.74	3279.98	3282.25
MW-10	2/5/2013	3336.38	56.34	53.28	3.06	0.74	3280.04	3282.30
MW-10	8/5/2013	3336.38	56.33	53.24	3.09	0.74	3280.05	3282.34
MW-10	2/3/2014	3336.38	54.41	51.46	2.95	0.74	3281.97	3284.15
MW-10	8/5/2014	3336.38	54.43	51.47	2.96	0.74	3281.95	3284.14
MW-10	2/2/2015	3336.38	51.83	51.61	0.22	0.74	3284.55	3284.71
MW-10	8/3/2015	3336.38	51.63	51.61	0.02	0.74	3284.75	3284.76
MW-10	3/29/2016	3336.38	52.06	52.03	0.03	0.74	3284.32	3284.34
MW-10	9/13/2016	3336.38	51.59	51.45	0.14	0.74	3284.79	3284.89
MW-10	4/3/2017	3336.38	51.41	51.28	0.13	0.74	3284.97	3285.07
MW-10	3/13/2018	3336.38	51.40	51.30	0.1	0.74	3284.98	3285.05
MW-10	9/24/2018	3336.38	NM	51.30	NA	0.74	NM	NM
MW-10	4/1/2019	3336.38	52.61	50.84	1.77	0.74	3283.77	3285.08
MW-10	10/1/2019	3336.38	52.78	50.95	1.83	0.74	3283.60	3284.95
MW-10	3/17/2020	3336.38	52.7	50.91	1.79	0.74	3283.68	3285.00
MW-10	3/15/2021	3336.38	52.67	50.87	1.8	0.74	3283.71	3285.04
MW-10	9/29/2021	3336.38	50.94	50.93	0.01	0.74	3285.44	3285.45
MW-10	2/22/2022	3336.38	52.63	50.85	1.78	0.74	3283.75	3285.07
MW-11	2/18/2009	3334.86	52.21	NM	NA	0.72	3282.65	3282.65
MW-11	8/5/2009	3334.86	52.37	52.35	0.02	0.72	3282.49	3282.50
MW-11	2/2/2010	3334.86	52.46	NM	NA	0.72	3282.40	3282.40
MW-11	8/2/2010	3334.86	52.48	NM	NA	0.72	3282.38	3282.38
MW-11	4/4/2011	3334.86	52.32	NM	NA	0.72	3282.54	3282.54
MW-11	8/8/2011	3334.86	52.30	NM	NA	0.72	3282.56	3282.56
MW-11	2/6/2012	3334.86	52.36	NM	NA	0.72	3282.50	3282.50
MW-11	8/7/2012	3334.86	52.32	NM	NA	0.72	3282.54	3282.54
MW-11	2/5/2013	3334.86	52.30	NM	NA	0.72	3282.56	3282.56
MW-11	8/5/2013	3334.86	52.21	NM	NA	0.72	3282.65	3282.65
MW-11	2/3/2014	3334.86	52.18	NM	NA	0.72	3282.68	3282.68
MW-11	8/5/2014	3334.86	52.24	NM	NA	0.72	3282.62	3282.62
MW-11	2/2/2015	3334.86	51.84	NM	NA	0.72	3283.02	3283.02
MW-11	8/3/2015	3334.86	51.70	NM	NA	0.72	3283.16	3283.16
MW-11	3/29/2016	3334.86	51.43	NM	NA	0.72	3283.43	3283.43
MW-11	9/12/2016	3334.86	51.48	NM	NA	0.72	3283.38	3283.38
MW-11	4/3/2017	3334.86	51.34	NM	NA	0.72	3283.52	3283.52
MW-11	9/12/2017	3334.86	51.20	NM	NA	0.72	3283.66	3283.66
MW-11	3/13/2018	3334.86	51.34	NM	NA	0.72	3283.52	3283.52
MW-11	9/24/2018	3334.86	51.45	NM	NA	0.72	3283.41	3283.41
MW-11	4/1/2019	3334.86	51.31	NM	NA	0.72	3283.55	3283.55
MW-11	10/1/2019	3334.86	51.43	NM	NA	0.72	3283.43	3283.43
MW-11	3/16/2020	3334.86	51.35	NM	NA	0.72	3283.51	3283.51
MW-11	9/23/2020	3334.86	51.33	NM	NA	0.72	3283.53	3283.53
MW-11	3/19/2021	3334.86	51.36	NM	NA	0.72	3283.50	3283.50
MW-11	9/21/2021	3334.86	51.45	NM	NA	0.72	3283.41	3283.41
MW-11	2/22/2022	3334.86	51.55	NM	NA	0.72	3283.31	3283.31
MW-11	9/27/2022	3334.86	51.37	NM	NA	NA	3283.49	3283.49
MW-12	2/18/2009	3333.88	52.14	51.42	0.72	0.72	3281.74	3282.26
MW-12	8/5/2009	3333.88	52.27	51.55	0.72	0.72	3281.61	3282.13
MW-12	2/2/2010	3333.88	52.20	51.75	0.45	0.72	3281.68	3282.00
MW-12	8/2/2010	3333.88	52.43	51.81	0.62	0.72	3281.45	3281.90
MW-12	4/4/2011	3333.88	52.10	51.50	0.6	0.72	3281.78	3282.21
MW-12	8/8/2011	3333.88	52.05	51.40	0.65	0.72	3281.83	3282.30
MW-12	2/6/2012	3333.88	52.28	51.73	0.55	0.72	3281.60	3282.00
MW-12	8/7/2012	3333.88	52.19	51.38	0.81	0.72	3281.69	3282.27
MW-12	2/5/2013	3333.88	52.05	51.35	0.7	0.72	3281.83	3282.33
MW-12	8/5/2013	3333.88	52.01	51.30	0.71	0.72	3281.87	3282.38
MW-12	2/3/2014	3333.88	51.99	51.29	0.7	0.72	3281.89	3282.39
MW-12	8/5/2014	3333.88	52.12	51.43	0.69	0.72	3281.76	3282.26
MW-12	2/2/2015	3333.88	56.11	54.03	2.08	0.72	3277.77	3279.27
MW-12	8/3/2015	3333.88	51.01	50.78	0.23	0.72	3282.87	3283.04
MW-12	3/29/2016	3333.88	51.00	50.44	0.56	0.72	3282.88	3283.28
MW-12	9/13/2016	3333.88	50.97	50.58	0.39	0.72	3282.91	3283.19
MW-12	4/3/2017	3333.88	51.14	50.30	0.84	0.72	3282.74	3283.34
MW-12	3/13/2018	3333.88	50.86	50.29	0.57	0.72	3283.02	3283.43
MW-12	9/24/2018	3333.88	NM	50.29	NA	0.72	NM	NM
MW-12	10/1/2019	3333.88	51.03	50.51	0.52	0.72	3282.85	3283.22
MW-12	3/17/2020	3333.88	51.16	50.41	0.75	0.72	3282.72	3283.26
MW-12	3/15/2021	3333.88	51.33	50.23	1.1	0.72	3282.55	3283.34
MW-12	9/29/2021	3333.88	51.29	50.25	1.04	0.72	3282.59	3283.34
MW-12	2/22/2022	3333.88	51.19	50.22	0.97	0.72	3282.69	3283.39
MW-13	2/9/2009	3336.15	56.30	NM	NA	NA	3279.85	3279.85
MW-13	8/4/2009	3336.15	56.30	NM	NA	NA	3279.85	3279.85

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MW-13	2/2/2010	3336.15	56.31	NM	NA	NA	3279.84	3279.84
MW-13	8/2/2010	3336.15	56.47	NM	NA	NA	3279.68	3279.68
MW-13	4/4/2011	3336.15	56.47	NM	NA	NA	3279.68	3279.68
MW-13	8/8/2011	3336.15	NM	NM	NA	NA	NM	NM
MW-13	2/6/2012	3336.15	56.36	NM	NA	NA	3279.79	3279.79
MW-13	8/6/2012	3336.15	56.42	NM	NA	NA	3279.73	3279.73
MW-13	2/5/2013	3336.15	56.37	NM	NA	NA	3279.78	3279.78
MW-13	8/5/2013	3336.15	56.34	NM	NA	NA	3279.81	3279.81
MW-13	2/3/2014	3336.15	56.27	NM	NA	NA	3279.88	3279.88
MW-13	8/5/2014	3336.15	56.36	NM	NA	NA	3279.79	3279.79
MW-13	2/2/2015	3336.15	56.13	NM	NA	NA	3280.02	3280.02
MW-13	8/3/2015	3336.15	55.95	NM	NA	NA	3280.20	3280.20
MW-13	3/29/2016	3336.15	55.85	NM	NA	NA	3280.30	3280.30
MW-13	9/6/2016	3336.15	58.80	NM	NA	NA	3277.35	3277.35
MW-13	4/3/2017	3336.15	55.66	NM	NA	NA	3280.49	3280.49
MW-13	9/11/2017	3336.15	55.44	NM	NA	NA	3280.71	3280.71
MW-13	3/13/2018	3336.15	55.66	NM	NA	NA	3280.49	3280.49
MW-13	9/24/2018	3336.15	55.80	NM	NA	NA	3280.35	3280.35
MW-13	4/1/2019	3336.15	55.59	NM	NA	NA	3280.56	3280.56
MW-13	10/1/2019	3336.15	55.61	NM	NA	NA	3280.54	3280.54
MW-13	3/16/2020	3336.15	55.64	NM	NA	NA	3280.51	3280.51
MW-13	3/16/2021	3336.15	55.56	NM	NA	NA	3280.59	3280.59
MW-13	9/20/2021	3336.15	55.56	NM	NA	NA	3280.59	3280.59
MW-13	2/22/2022	3336.15	54.95	NM	NA	NA	3281.20	3281.20
MW-14	2/9/2009	3333.04	52.63	NM	NA	NA	3280.41	3280.41
MW-14	8/4/2009	3333.04	52.72	NM	NA	NA	3280.32	3280.32
MW-14	2/2/2010	3333.04	52.77	NM	NA	NA	3280.27	3280.27
MW-14	8/2/2010	3333.04	52.90	NM	NA	NA	3280.14	3280.14
MW-14	4/4/2011	3333.04	52.91	NM	NA	NA	3280.13	3280.13
MW-14	8/8/2011	3333.04	52.85	NM	NA	NA	3280.19	3280.19
MW-14	2/6/2012	3333.04	52.82	NM	NA	NA	3280.22	3280.22
MW-14	8/7/2012	3333.04	51.97	NM	NA	NA	3281.07	3281.07
MW-14	2/5/2013	3333.04	52.82	NM	NA	NA	3280.22	3280.22
MW-14	8/5/2013	3333.04	52.79	NM	NA	NA	3280.25	3280.25
MW-14	2/3/2014	3333.04	52.71	NM	NA	NA	3280.33	3280.33
MW-14	8/5/2014	3333.04	52.77	NM	NA	NA	3280.27	3280.27
MW-14	2/2/2015	3333.04	52.33	NM	NA	NA	3280.71	3280.71
MW-14	8/3/2015	3333.04	52.18	NM	NA	NA	3280.86	3280.86
MW-14	3/29/2016	3333.04	52.05	NM	NA	NA	3280.99	3280.99
MW-14	9/6/2016	3333.04	52.03	NM	NA	NA	3281.01	3281.01
MW-14	4/3/2017	3333.04	51.93	NM	NA	NA	3281.11	3281.11
MW-14	9/11/2017	3333.04	51.89	NM	NA	NA	3281.15	3281.15
MW-14	3/14/2018	3333.04	51.86	NM	NA	NA	3281.18	3281.18
MW-14	9/24/2018	3333.04	51.94	NM	NA	NA	3281.10	3281.10
MW-14	4/1/2019	3333.04	51.90	NM	NA	NA	3281.14	3281.14
MW-14	10/1/2019	3333.04	51.99	NM	NA	NA	3281.05	3281.05
MW-14	3/16/2020	3333.04	51.99	NM	NA	NA	3281.05	3281.05
MW-14	3/16/2021	3333.04	51.94	NM	NA	NA	3281.10	3281.10
MW-14	9/20/2021	3333.04	51.88	NM	NA	NA	3281.16	3281.16
MW-14	2/22/2022	3333.04	52.15	NM	NA	NA	3280.89	3280.89
MW-15	2/9/2009	3328.98	49.60	NM	NA	NA	3279.38	3279.38
MW-15	8/4/2009	3328.98	48.75	NM	NA	NA	3280.23	3280.23
MW-15	2/2/2010	3328.98	48.89	NM	NA	NA	3280.09	3280.09
MW-15	8/2/2010	3328.98	49.19	NM	NA	NA	3279.79	3279.79
MW-15	4/4/2011	3328.98	48.62	NM	NA	NA	3280.36	3280.36
MW-15	8/8/2011	3328.98	48.44	NM	NA	NA	3280.54	3280.54
MW-15	2/6/2012	3328.98	48.28	NM	NA	NA	3280.70	3280.70
MW-15	8/7/2012	3328.98	48.29	NM	NA	NA	3280.69	3280.69
MW-15	2/5/2013	3328.98	48.18	NM	NA	NA	3280.80	3280.80
MW-15	8/5/2013	3328.98	48.12	NM	NA	NA	3280.86	3280.86
MW-15	2/3/2014	3328.98	48.08	NM	NA	NA	3280.90	3280.90
MW-15	8/5/2014	3328.98	48.22	NM	NA	NA	3280.76	3280.76
MW-15	2/2/2015	3328.98	47.30	NM	NA	NA	3281.68	3281.68
MW-15	8/3/2015	3328.98	47.31	NM	NA	NA	3281.67	3281.67
MW-15	3/28/2016	3328.98	47.17	NM	NA	NA	3281.81	3281.81
MW-15	9/6/2016	3328.98	47.17	NM	NA	NA	3281.81	3281.81
MW-15	4/3/2017	3328.98	47.02	NM	NA	NA	3281.96	3281.96
MW-15	9/11/2017	3328.98	47.02	NM	NA	NA	3281.96	3281.96
MW-15	3/12/2018	3328.98	47.00	NM	NA	NA	3281.98	3281.98
MW-15	9/24/2018	3328.98	47.14	NM	NA	NA	3281.84	3281.84
MW-15	4/1/2019	3328.98	47.08	NM	NA	NA	3281.90	3281.90
MW-15	10/1/2019	3328.98	47.16	NM	NA	NA	3281.82	3281.82
MW-15	3/16/2020	3328.98	47.2	NM	NA	NA	3281.78	3281.78
MW-15	9/22/2020	3328.98	47.08	NM	NA	NA	3281.90	3281.90
MW-15	3/16/2021	3328.98	46.97	NM	NA	NA	3282.01	3282.01
MW-15	9/20/2021	3328.98	46.97	NM	NA	NA	3282.01	3282.01

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Appendix C
Historical Groundwater Elevations
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Eunice, Lea County, New Mexico

ARCADIS Design & Consultancy for natural and built assets

Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet btoc)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	LNAPL Specific Gravity	Uncorrected Groundwater Elevation (feet amsl)	Corrected Groundwater Elevation (feet amsl)[1]
MW-15	2/22/2022	3328.98	47.27	NM	NA	NA	3281.71	3281.71
MW-15	9/27/2022	3328.98	36.98	NM	NA	NA	3292.00	3292.00
MW-16	2/9/2009	3330.2	49.45	NM	NA	NA	3280.75	3280.75
MW-16	8/4/2009	3330.2	49.58	NM	NA	NA	3280.62	3280.62
MW-16	2/2/2010	3330.2	49.68	NM	NA	NA	3280.52	3280.52
MW-16	8/2/2010	3330.2	49.87	NM	NA	NA	3280.33	3280.33
MW-16	4/4/2011	3330.2	49.34	NM	NA	NA	3280.86	3280.86
MW-16	8/8/2011	3330.2	49.81	NM	NA	NA	3280.39	3280.39
MW-16	2/6/2012	3330.2	46.45	NM	NA	NA	3283.75	3283.75
MW-16	8/17/2012	3330.2	48.96	NM	NA	NA	3281.24	3281.24
MW-16	2/5/2013	3330.2	48.90	NM	NA	NA	3281.30	3281.30
MW-16	8/5/2013	3330.2	48.82	NM	NA	NA	3281.38	3281.38
MW-16	2/3/2014	3330.2	48.77	NM	NA	NA	3281.43	3281.43
MW-16	8/5/2014	3330.2	48.97	NM	NA	NA	3281.23	3281.23
MW-16	2/2/2015	3330.2	48.60	NM	NA	NA	3281.60	3281.60
MW-16	8/3/2015	3330.2	47.58	NM	NA	NA	3282.62	3282.62
MW-16	3/28/2016	3330.2	48.30	NM	NA	NA	3281.90	3281.90
MW-16	9/6/2016	3330.2	48.20	NM	NA	NA	3282.00	3282.00
MW-16	4/3/2017	3330.2	48.15	NM	NA	NA	3282.05	3282.05
MW-16	9/11/2017	3330.2	48.05	NM	NA	NA	3282.15	3282.15
MW-16	3/12/2018	3330.2	47.97	NM	NA	NA	3282.23	3282.23
MW-16	9/24/2018	3330.2	46.00	NM	NA	NA	3284.20	3284.20
MW-16	4/1/2019	3330.2	47.90	NM	NA	NA	3282.30	3282.30
MW-16	10/1/2019	3330.2	47.99	NM	NA	NA	3282.21	3282.21
MW-16	3/16/2020	3330.2	47.97	NM	NA	NA	3282.23	3282.23
MW-16	9/24/2020	3330.2	47.78	NM	NA	NA	3282.42	3282.42
MW-16	3/16/2021	3330.2	47.76	NM	NA	NA	3282.44	3282.44
MW-16	9/20/2021	3330.2	47.68	NM	NA	NA	3282.52	3282.52
MW-16	2/22/2022	3330.2	47.27	NM	NA	NA	3282.93	3282.93
MW-16	9/27/2022	3330.2	47.05	NM	NA	NA	3283.15	3283.15
MW-17	2/11/2009	3334.32	52.75	NM	NA	NA	3281.57	3281.57
MW-17	8/4/2009	3334.32	52.88	NM	NA	NA	3281.44	3281.44
MW-17	2/2/2010	3334.32	52.98	NM	NA	NA	3281.34	3281.34
MW-17	8/2/2010	3334.32	53.10	NM	NA	NA	3281.22	3281.22
MW-17	4/4/2011	3334.32	52.29	NM	NA	NA	3282.03	3282.03
MW-17	8/8/2011	3334.32	52.11	NM	NA	NA	3282.21	3282.21
MW-17	2/6/2012	3334.32	52.00	NM	NA	NA	3282.32	3282.32
MW-17	8/7/2012	3334.32	51.89	NM	NA	NA	3282.43	3282.43
MW-17	2/5/2013	3334.32	51.81	NM	NA	NA	3282.51	3282.51
MW-17	8/5/2013	3334.32	51.90	NM	NA	NA	3282.42	3282.42
MW-17	2/3/2014	3334.32	51.72	NM	NA	NA	3282.60	3282.60
MW-17	8/5/2014	3334.32	52.26	NM	NA	NA	3282.06	3282.06
MW-17	2/2/2015	3334.32	51.92	NM	NA	NA	3282.40	3282.40
MW-17	8/3/2015	3334.32	51.90	NM	NA	NA	3282.42	3282.42
MW-17	3/28/2016	3334.32	51.71	NM	NA	NA	3282.61	3282.61
MW-17	9/9/2016	3334.32	51.65	NM	NA	NA	3282.67	3282.67
MW-17	4/3/2017	3334.32	51.67	NM	NA	NA	3282.65	3282.65
MW-17	9/12/2017	3334.32	51.61	NM	NA	NA	3282.71	3282.71
MW-17	3/12/2018	3334.32	51.35	NM	NA	NA	3282.97	3282.97
MW-17	9/24/2018	3334.32	51.35	NM	NA	NA	3282.97	3282.97
MW-17	4/1/2019	3334.32	51.22	NM	NA	NA	3283.10	3283.10
MW-17	10/1/2019	3334.32	51.41	NM	NA	NA	3282.91	3282.91
MW-17	3/16/2020	3334.32	49.99	NM	NA	NA	3284.33	3284.33
MW-17	9/22/2020	3334.32	50.78	NM	NA	NA	3283.54	3283.54
MW-17	3/18/2021	3334.32	50.75	NM	NA	NA	3283.57	3283.57
MW-17	9/20/2021	3334.32	50.67	NM	NA	NA	3283.65	3283.65
MW-17	2/22/2022	3334.32	50.69	NM	NA	NA	3283.63	3283.63
MW-17	9/27/2022	3334.32	50.69	NM	NA	NA	3283.63	3283.63
MW-18	2/10/2009	3336.1	53.38	NM	NA	NA	3282.72	3282.72
MW-18	8/4/2009	3336.1	53.27	NM	NA	NA	3282.83	3282.83
MW-18	2/2/2010	3336.1	53.47	NM	NA	NA	3282.63	3282.63
MW-18	8/2/2010	3336.1	53.43	NM	NA	NA	3282.67	3282.67
MW-18	4/4/2011	3336.1	53.07	NM	NA	NA	3283.03	3283.03
MW-18	8/8/2011	3336.1	52.93	NM	NA	NA	3283.17	3283.17
MW-18	2/6/2012	3336.1	52.89	NM	NA	NA	3283.21	3283.21
MW-18	8/7/2012	3336.1	52.81	NM	NA	NA	3283.29	3283.29
MW-18	2/5/2013	3336.1	52.80	NM	NA	NA	3283.30	3283.30
MW-18	8/5/2013	3336.1	52.86	NM	NA	NA	3283.24	3283.24
MW-18	2/3/2014	3336.1	52.69	NM	NA	NA	3283.41	3283.41
MW-18	8/5/2014	3336.1	52.82	NM	NA	NA	3283.28	3283.28
MW-18	8/3/2015	3336.1	52.50	NM	NA	NA	3283.60	3283.60
MW-18	3/29/2016	3336.1	52.37	NM	NA	NA	3283.73	3283.73
MW-18	9/12/2016	3336.1	52.38	NM	NA	NA	3283.72	3283.72
MW-18	4/3/2017	3336.1	52.23	NM	NA	NA	3283.87	3283.87
MW-18	3/12/2018	3336.1	52.08	NM	NA	NA	3284.02	3284.02
MW-18	9/24/2018	3336.1	NM	NM	NA	NA	NM	NM

Appendix C
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ARCADIS Design & Consultancy for natural and built assets

Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet btoc)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	LNAPL Specific Gravity	Uncorrected Groundwater Elevation (feet amsl)	Corrected Groundwater Elevation (feet amsl)[1]
MW-18	3/16/2020	3336.1	51.98	NM	NA	NA	3284.12	3284.12
MW-18	3/16/2021	3336.1	NM	NM	NA	NA	NM	NM
MW-19	2/18/2009	3334.21	53.42	52.44	0.98	0.82	3280.79	3281.59
MW-19	3/18/2009	3334.21	53.51	52.51	1	0.82	3280.70	3281.52
MW-19	8/5/2009	3334.21	52.81	NM	NA	0.82	3281.40	3281.40
MW-19	2/2/2010	3334.21	53.02	53.00	0.02	0.82	3281.19	3281.21
MW-19	8/2/2010	3334.21	53.19	NM	NA	0.82	3281.02	3281.02
MW-19	4/4/2011	3334.21	52.57	NM	NA	0.82	3281.64	3281.64
MW-19	8/8/2011	3334.21	NM	NM	NA	0.82	NM	NM
MW-19	2/6/2012	3334.21	53.09	53.07	0.02	0.82	3281.12	3281.14
MW-19	8/7/2012	3334.21	52.42	NM	NA	0.82	3281.79	3281.79
MW-19	2/5/2013	3334.21	52.50	NM	NA	0.82	3281.71	3281.71
MW-19	8/5/2013	3334.21	52.48	NM	NA	0.82	3281.73	3281.73
MW-19	2/3/2014	3334.21	52.48	NM	NA	0.82	3281.73	3281.73
MW-19	8/5/2014	3334.21	52.71	NM	NA	0.82	3281.50	3281.50
MW-19	2/2/2015	3334.21	51.41	51.40	0.01	0.82	3282.80	3282.81
MW-19	8/3/2015	3334.21	52.26	51.36	0.9	0.82	3281.95	3282.69
MW-19	3/29/2016	3334.21	52.64	51.06	1.58	0.82	3281.57	3282.87
MW-19	9/13/2016	3334.21	51.99	51.19	0.8	0.82	3282.22	3282.88
MW-19	4/3/2017	3334.21	52.51	50.94	1.57	0.82	3281.70	3282.99
MW-19	3/15/2018	3334.21	52.04	50.82	1.22	0.82	3282.17	3283.17
MW-19	9/24/2018	3334.21	NM	50.82	NA	0.82	NM	NM
MW-19	4/1/2019	3334.21	52.26	50.93	1.33	0.82	3281.95	3283.04
MW-19	3/17/2020	3334.21	52.61	51.07	1.54	0.82	3281.60	3282.86
MW-19	3/15/2021	3334.21	52.49	50.91	1.58	0.82	3281.72	3283.02
MW-19	9/20/2021	3334.21	52.26	50.69	1.57	0.82	3281.95	3283.24
MW-19	2/22/2022	3334.21	51.71	49.92	1.79	0.82	3282.50	3283.97
MW-20	2/4/2009	3334.06	54.37	52.44	1.93	0.82	3279.69	3281.27
MW-20	3/18/2009	3334.06	56.92	52.25	4.67	0.82	3277.14	3280.97
MW-20	3/25/2009	3334.06	57.44	52.19	5.25	0.82	3276.62	3280.93
MW-20	8/5/2009	3334.06	55.82	52.65	3.17	0.82	3278.24	3280.84
MW-20	2/2/2010	3334.06	56.91	52.75	4.16	0.82	3277.15	3280.56
MW-20	8/2/2010	3334.06	53.84	53.69	0.15	0.82	3280.22	3280.34
MW-20	4/4/2011	3334.06	55.80	52.84	2.96	0.82	3278.26	3280.69
MW-20	8/8/2011	3334.06	NM	NM	NA	0.82	NM	NM
MW-20	2/6/2012	3334.06	56.97	52.87	4.1	0.82	3277.09	3280.45
MW-20	8/7/2012	3334.06	55.27	51.63	3.64	0.82	3278.79	3281.77
MW-20	2/5/2013	3334.06	55.84	51.25	4.59	0.82	3278.22	3281.98
MW-20	8/5/2013	3334.06	55.87	51.61	4.26	0.82	3278.19	3281.68
MW-20	2/3/2014	3334.06	55.64	51.52	4.12	0.82	3278.42	3281.80
MW-20	8/5/2014	3334.06	56.14	51.86	4.28	0.82	3277.92	3281.43
MW-20	2/12/2015	3334.06	54.48	50.98	3.5	0.82	3279.58	3282.45
MW-20	8/3/2015	3334.06	54.58	50.98	3.6	0.82	3279.48	3282.43
MW-20	3/29/2016	3334.06	54.37	50.80	3.57	0.82	3279.69	3282.62
MW-20	9/13/2016	3334.06	53.87	50.70	3.17	0.82	3280.19	3282.79
MW-20	4/3/2017	3334.06	54.18	50.69	3.49	0.82	3279.88	3282.74
MW-20	3/15/2018	3334.06	53.90	50.60	3.3	0.82	3280.16	3282.87
MW-20	9/24/2018	3334.06	NM	50.60	NA	0.82	NM	NM
MW-20	10/1/2019	3334.06	54.61	50.91	3.7	0.82	3279.45	3282.48
MW-20	3/17/2020	3334.06	54.03	50.92	3.11	0.82	3280.03	3282.58
MW-20	3/15/2021	3334.06	53.52	51.58	1.94	0.82	3280.54	3282.13
MW-20	10/6/2021	3334.06	52.94	50.40	2.54	0.82	3281.12	3283.20
MW-20	2/22/2022	3334.06	53.24	50.57	2.67	0.82	3280.82	3283.01
MW-21	2/18/2009	3333.02	51.89	51.86	0.03	0.82	3281.13	3281.15
MW-21	8/5/2009	3333.02	52.13	52.12	0.01	0.82	3280.89	3280.90
MW-21	2/2/2010	3333.02	52.33	NM	NA	0.82	3280.69	3280.69
MW-21	8/2/2010	3333.02	52.75	NM	NA	0.82	3280.27	3280.27
MW-21	4/4/2011	3333.02	51.23	NM	NA	0.82	3281.79	3281.79
MW-21	8/8/2011	3333.02	NM	NM	NA	0.82	NM	NM
MW-21	2/6/2012	3333.02	52.42	52.38	0.04	0.82	3280.60	3280.63
MW-21	8/7/2012	3333.02	51.41	NM	NA	0.82	3281.61	3281.61
MW-21	2/5/2013	3333.02	51.50	NM	NA	0.82	3281.52	3281.52
MW-21	8/15/2013	3333.02	51.53	NM	NA	0.82	3281.49	3281.49
MW-21	2/3/2014	3333.02	51.31	NM	NA	0.82	3281.71	3281.71
MW-21	8/5/2014	3333.02	51.70	51.64	0.06	0.82	3281.32	3281.37
MW-21	2/2/2015	3333.02	50.39	50.36	0.03	0.82	3282.63	3282.65
MW-21	8/3/2015	3333.02	50.40	50.38	0.02	0.82	3282.62	3282.64
MW-21	3/29/2016	3333.02	51.07	50.39	0.68	0.82	3281.95	3282.51
MW-21	9/13/2016	3333.02	50.88	50.21	0.67	0.82	3282.14	3282.69
MW-21	4/3/2017	3333.02	51.67	50.00	1.67	0.82	3281.35	3282.72
MW-21	3/15/2018	3333.02	50.92	50.04	0.88	0.82	3282.10	3282.82
MW-21	9/24/2018	3333.02	NM	50.04	NA	0.82	NM	NM
MW-21	4/1/2019	3333.02	51.00	50.15	0.85	0.82	3282.02	3282.72
MW-21	10/1/2019	3333.02	51.90	50.32	1.58	0.82	3281.12	3282.42
MW-21	3/17/2020	3333.02	52.15	50.18	1.97	0.82	3280.87	3282.49
MW-21	3/15/2021	3333.02	52.60	49.87	2.73	0.82	3280.42	3282.66

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MW-21	9/20/2021	3333.02	52.58	49.69	2.89	0.82	3280.44	3282.81
MW-21	2/22/2022	3333.02	51.49	49.82	1.67	0.82	3281.53	3282.90
MW-22	2/11/2009	3334.87	55.04	NM	NA	NA	3279.83	3279.83
MW-22	8/5/2009	3334.87	54.55	NM	NA	NA	3280.32	3280.32
MW-22	2/2/2010	3334.87	55.45	NM	NA	NA	3279.42	3279.42
MW-22	8/2/2010	3334.87	55.77	NM	NA	NA	3279.10	3279.10
MW-22	4/4/2011	3334.87	53.60	NM	NA	NA	3281.27	3281.27
MW-22	8/8/2011	3334.87	53.38	NM	NA	NA	3281.49	3281.49
MW-22	2/6/2012	3334.87	53.30	NM	NA	NA	3281.57	3281.57
MW-22	8/7/2012	3334.87	53.15	NM	NA	NA	3281.72	3281.72
MW-22	2/5/2013	3334.87	53.11	NM	NA	NA	3281.76	3281.76
MW-22	8/5/2013	3334.87	53.20	NM	NA	NA	3281.67	3281.67
MW-22	2/3/2014	3334.87	53.05	NM	NA	NA	3281.82	3281.82
MW-22	8/5/2014	3334.87	54.30	NM	NA	NA	3280.57	3280.57
MW-22	2/2/2015	3334.87	52.85	NM	NA	NA	3282.02	3282.02
MW-22	8/3/2015	3334.87	52.80	NM	NA	NA	3282.07	3282.07
MW-22	3/28/2016	3334.87	53.06	NM	NA	NA	3281.81	3281.81
MW-22	9/9/2016	3334.87	52.48	NM	NA	NA	3282.39	3282.39
MW-22	4/3/2017	3334.87	52.65	NM	NA	NA	3282.22	3282.22
MW-22	3/12/2018	3334.87	52.44	NM	NA	NA	3282.43	3282.43
MW-22	9/24/2018	3334.87	NM	NM	NA	NA	NM	NM
MW-22	4/1/2019	3334.87	52.24	NM	NA	NA	3282.63	3282.63
MW-22	3/16/2020	3334.87	52.37	NM	NA	NA	3282.50	3282.50
MW-22	3/18/2021	3334.87	52.95	NM	NA	NA	3281.92	3281.92
MW-22	9/20/2021	3334.87	51.83	NM	NA	NA	3283.04	3283.04
MW-22	2/22/2022	3334.87	51.88	NM	NA	NA	3282.99	3282.99
MW-23	2/11/2009	3334.45	54.39	NM	NA	NA	3280.06	3280.06
MW-23	8/4/2009	3334.45	54.25	NM	NA	NA	3280.20	3280.20
MW-23	2/2/2010	3334.45	55.04	NM	NA	NA	3279.41	3279.41
MW-23	8/2/2010	3334.45	55.16	NM	NA	NA	3279.29	3279.29
MW-23	4/4/2011	3334.45	52.86	NM	NA	NA	3281.59	3281.59
MW-23	8/8/2011	3334.45	52.62	NM	NA	NA	3281.83	3281.83
MW-23	2/6/2012	3334.45	52.50	NM	NA	NA	3281.95	3281.95
MW-23	8/17/2012	3334.45	53.25	NM	NA	NA	3281.20	3281.20
MW-23	2/5/2013	3334.45	52.31	NM	NA	NA	3282.14	3282.14
MW-23	8/5/2013	3334.45	52.38	NM	NA	NA	3282.07	3282.07
MW-23	2/3/2014	3334.45	52.21	NM	NA	NA	3282.24	3282.24
MW-23	8/5/2014	3334.45	54.41	NM	NA	NA	3280.04	3280.04
MW-23	2/2/2015	3334.45	52.82	NM	NA	NA	3281.63	3281.63
MW-23	8/3/2015	3334.45	53.90	NM	NA	NA	3280.55	3280.55
MW-23	3/28/2016	3334.45	53.21	NM	NA	NA	3281.24	3281.24
MW-23	9/9/2016	3334.45	52.92	NM	NA	NA	3281.53	3281.53
MW-23	4/3/2017	3334.45	53.24	NM	NA	NA	3281.21	3281.21
MW-23	3/12/2018	3334.45	52.01	NM	NA	NA	3282.44	3282.44
MW-23	9/24/2018	3334.45	NM	NM	NA	NA	NM	NM
MW-23	3/16/2020	3334.45	51.55	NM	NA	NA	3282.90	3282.90
MW-23	3/15/2021	3334.45	51.17	NM	NA	NA	3283.28	3283.28
MW-23	9/20/2021	3334.45	51.09	NM	NA	NA	3283.36	3283.36
MW-23	2/22/2022	3334.45	51.10	NM	NA	NA	3283.35	3283.35
MW-24	2/18/2009	3336.97	54.16	NM	NA	0.74	3282.81	3282.81
MW-24	8/4/2009	3336.97	54.26	54.25	0.01	0.74	3282.71	3282.72
MW-24	2/2/2010	3336.97	54.38	NM	NA	0.74	3282.59	3282.59
MW-24	8/2/2010	3336.97	54.38	NM	NA	0.74	3282.59	3282.59
MW-24	4/4/2011	3336.97	54.23	NM	NA	0.74	3282.74	3282.74
MW-24	8/8/2011	3336.97	54.20	NM	NA	0.74	3282.77	3282.77
MW-24	2/6/2012	3336.97	54.25	NM	NA	0.74	3282.72	3282.72
MW-24	8/27/2012	3336.97	54.22	NM	NA	0.74	3282.75	3282.75
MW-24	2/5/2013	3336.97	54.20	NM	NA	0.74	3282.77	3282.77
MW-24	8/5/2013	3336.97	54.15	NM	NA	0.74	3282.82	3282.82
MW-24	2/3/2014	3336.97	54.12	NM	NA	0.74	3282.85	3282.85
MW-24	8/5/2014	3336.97	54.18	NM	NA	0.74	3282.79	3282.79
MW-24	2/2/2015	3336.97	53.71	NM	NA	0.74	3283.26	3283.26
MW-24	8/3/2015	3336.97	53.68	NM	NA	0.74	3283.29	3283.29
MW-24	3/29/2016	3336.97	53.45	NM	NA	0.74	3283.52	3283.52
MW-24	9/12/2016	3336.97	53.43	NM	NA	0.74	3283.54	3283.54
MW-24	4/3/2017	3336.97	53.32	NM	NA	0.74	3283.65	3283.65
MW-24	9/12/2017	3336.97	53.33	NM	NA	0.74	3283.64	3283.64
MW-24	3/13/2018	3336.97	53.29	NM	NA	0.74	3283.68	3283.68
MW-24	9/24/2018	3336.97	53.46	NM	NA	0.74	3283.51	3283.51
MW-24	4/1/2019	3336.97	53.28	NM	NA	0.74	3283.69	3283.69
MW-24	10/1/2019	3336.97	53.38	NM	NA	0.74	3283.59	3283.59
MW-24	3/16/2020	3336.97	53.35	NM	NA	0.74	3283.62	3283.62
MW-24	3/15/2021	3336.97	NM	NM	NA	0.74	NM	NM
MW-24	9/24/2021	3336.97	53.27	NM	NA	NA	3283.70	3283.70
MW-24	2/22/2022	3336.97	53.49	NM	NA	0.74	3283.48	3283.48
MW-24	9/27/2022	3336.97	53.27	NM	NA	NA	3283.70	3283.70

Appendix C
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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet btoc)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	LNAPL Specific Gravity	Uncorrected Groundwater Elevation (feet amsl)	Corrected Groundwater Elevation (feet amsl)[1]
MW-25	2/12/2009	3336.31	52.16	NM	NA	NA	3284.15	3284.15
MW-25	8/5/2009	3336.31	52.00	NM	NA	NA	3284.31	3284.31
MW-25	2/2/2010	3336.31	52.48	NM	NA	NA	3283.83	3283.83
MW-25	8/2/2010	3336.31	52.49	NM	NA	NA	3283.82	3283.82
MW-25	4/4/2011	3336.31	52.15	NM	NA	NA	3284.16	3284.16
MW-25	8/8/2011	3336.31	52.08	NM	NA	NA	3284.23	3284.23
MW-25	2/6/2012	3336.31	52.15	NM	NA	NA	3284.16	3284.16
MW-25	2/5/2013	3336.31	52.08	NM	NA	NA	3284.23	3284.23
MW-25	8/5/2013	3336.31	51.97	NM	NA	NA	3284.34	3284.34
MW-25	2/3/2014	3336.31	51.97	NM	NA	NA	3284.34	3284.34
MW-25	8/5/2014	3336.31	52.04	NM	NA	NA	3284.27	3284.27
MW-25	2/2/2015	3336.31	51.40	NM	NA	NA	3284.91	3284.91
MW-25	8/3/2015	3336.31	51.40	NM	NA	NA	3284.91	3284.91
MW-25	3/29/2016	3336.31	51.15	NM	NA	NA	3285.16	3285.16
MW-25	9/12/2016	3336.31	51.23	NM	NA	NA	3285.08	3285.08
MW-25	4/3/2017	3336.31	51.01	NM	NA	NA	3285.30	3285.30
MW-25	9/12/2017	3336.31	51.01	NM	NA	NA	3285.30	3285.30
MW-25	3/13/2018	3336.31	51.07	NM	NA	NA	3285.24	3285.24
MW-25	9/24/2018	3336.31	51.18	NM	NA	NA	3285.13	3285.13
MW-25	4/1/2019	3336.31	51.02	NM	NA	NA	3285.29	3285.29
MW-25	10/1/2019	3336.31	51.21	NM	NA	NA	3285.10	3285.10
MW-25	3/16/2020	3336.31	51.08	NM	NA	NA	3285.23	3285.23
MW-25	9/23/2020	3336.31	51.04	NM	NA	NA	3285.27	3285.27
MW-25	3/19/2021	3336.31	51.05	NM	NA	NA	3285.26	3285.26
MW-25	9/27/2021	3336.31	50.88	NM	NA	NA	3285.43	3285.43
MW-25	2/22/2022	3336.31	51.09	NM	NA	NA	3285.22	3285.22
MW-25	9/27/2022	3336.31	51.03	NM	NA	NA	3285.28	3285.28
MW-26	2/17/2009	3334.93	52.47	NM	NA	0.72	3282.46	3282.46
MW-26	8/4/2009	3334.93	52.61	52.60	0.01	0.72	3282.32	3282.33
MW-26	2/2/2010	3334.93	52.75	NM	NA	0.72	3282.18	3282.18
MW-26	8/2/2010	3334.93	52.76	NM	NA	0.72	3282.17	3282.17
MW-26	4/4/2011	3334.93	52.60	NM	NA	0.72	3282.33	3282.33
MW-26	8/8/2011	3334.93	52.56	NM	NA	0.72	3282.37	3282.37
MW-26	2/6/2012	3334.93	52.65	NM	NA	0.72	3282.28	3282.28
MW-26	8/17/2012	3334.93	52.58	NM	NA	0.72	3282.35	3282.35
MW-26	2/5/2013	3334.93	52.55	NM	NA	0.72	3282.38	3282.38
MW-26	8/5/2013	3334.93	52.49	NM	NA	0.72	3282.44	3282.44
MW-26	2/3/2014	3334.93	52.46	NM	NA	0.72	3282.47	3282.47
MW-26	8/5/2014	3334.93	52.52	NM	NA	0.72	3282.41	3282.41
MW-26	2/2/2015	3334.93	51.95	NM	NA	0.72	3282.98	3282.98
MW-26	8/3/2015	3334.93	51.95	NM	NA	0.72	3282.98	3282.98
MW-26	3/29/2016	3334.93	51.69	NM	NA	0.72	3283.24	3283.24
MW-26	9/12/2016	3334.93	51.93	NM	NA	0.72	3283.00	3283.00
MW-26	4/3/2017	3334.93	52.58	NM	NA	0.72	3282.35	3282.35
MW-26	9/12/2017	3334.93	51.62	NM	NA	0.72	3283.31	3283.31
MW-26	3/13/2018	3334.93	51.60	51.58	0.02	0.72	3283.33	3283.34
MW-26	9/24/2018	3334.93	51.72	51.58	0.14	0.72	3283.21	3283.31
MW-26	4/1/2019	3334.93	51.59	NM	NA	0.72	3283.34	3283.34
MW-26	10/1/2019	3334.93	51.73	NM	NA	0.72	3283.20	3283.20
MW-26	3/16/2020	3334.93	51.67	NM	NA	0.72	3283.26	3283.26
MW-26	9/23/2020	3334.93	51.66	NM	NA	0.72	3283.27	3283.27
MW-26	3/19/2021	3334.93	51.96	NM	NA	0.72	3282.97	3282.97
MW-26	9/27/2021	3334.93	53.27	NM	NA	0.72	3281.66	3281.66
MW-26	2/22/2022	3334.93	51.79	NM	NA	0.72	3283.14	3283.14
MW-26	9/27/2022	3334.93	51.61	NM	NA	0.72	3283.32	3283.32
MW-27	2/17/2009	3334.96	52.51	NM	NA	0.72	3282.45	3282.45
MW-27	8/4/2009	3334.96	52.65	52.63	0.02	0.72	3282.31	3282.32
MW-27	2/2/2010	3334.96	52.84	52.81	0.03	0.72	3282.12	3282.14
MW-27	8/2/2010	3334.96	53.05	52.82	0.23	0.72	3281.91	3282.08
MW-27	4/4/2011	3334.96	54.90	52.18	2.72	0.72	3280.06	3282.02
MW-27	8/8/2011	3334.96	54.98	52.08	2.9	0.72	3279.98	3282.07
MW-27	2/6/2012	3334.96	58.15	53.87	4.28	0.72	3276.81	3279.89
MW-27	8/7/2012	3334.96	55.40	52.30	3.1	0.72	3279.56	3281.79
MW-27	2/5/2013	3334.96	55.05	52.01	3.04	0.72	3279.91	3282.10
MW-27	8/5/2013	3334.96	55.01	52.01	3	0.72	3279.95	3282.11
MW-27	2/3/2014	3334.96	54.88	51.94	2.94	0.72	3280.08	3282.20
MW-27	8/5/2014	3334.96	54.96	52.00	2.96	0.72	3280.00	3282.13
MW-27	2/2/2015	3334.96	52.42	51.78	0.64	0.72	3282.54	3283.00
MW-27	8/3/2015	3334.96	52.49	51.74	0.75	0.72	3282.47	3283.01
MW-27	3/29/2016	3334.96	51.50	NM	NA	0.72	3283.46	3283.46
MW-27	9/12/2016	3334.96	52.67	51.52	1.15	0.72	3282.29	3283.12
MW-27	4/3/2017	3334.96	52.33	51.4	0.93	0.72	3282.63	3283.30
MW-27	3/13/2018	3334.96	52.33	51.34	0.99	0.72	3282.63	3283.34
MW-27	9/24/2018	3334.96	NM	51.34	NA	0.72	NM	NM
MW-27	4/1/2019	3334.96	50.71	49.50	1.21	0.72	3284.25	3285.12
MW-27	10/1/2019	3334.96	50.86	49.61	1.25	0.72	3284.10	3285.00

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MW-27	3/17/2020	3334.96	50.84	49.60	1.24	0.72	3284.12	3285.01
MW-27	3/15/2021	3334.96	53.62	52.19	1.43	0.72	3281.34	3282.37
MW-27	9/29/2021	3334.96	53.64	52.30	1.34	0.72	3281.32	3282.28
MW-27	2/22/2022	3334.96	53.44	52.14	1.3	0.72	3281.52	3282.46
MW-28	3/9/2009	3333.04	57.65	53.6	4.05	0.72	3275.39	3278.31
MW-28	8/5/2009	3333.04	57.94	53.68	4.26	0.72	3275.10	3278.17
MW-28	2/2/2010	3333.04	58.13	53.85	4.28	0.72	3274.91	3277.99
MW-28	8/2/2010	3333.04	58.15	53.97	4.18	0.72	3274.89	3277.90
MW-28	4/4/2011	3333.04	57.44	53.78	3.66	0.72	3275.60	3278.24
MW-28	8/8/2011	3333.04	57.37	53.66	3.71	0.72	3275.67	3278.34
MW-28	2/6/2012	3333.04	58.22	53.84	4.38	0.72	3274.82	3277.97
MW-28	8/14/2012	3333.04	57.54	53.63	3.91	0.72	3275.50	3278.32
MW-28	2/5/2013	3333.04	57.42	53.61	3.81	0.72	3275.62	3278.36
MW-28	8/5/2013	3333.04	57.15	53.63	3.52	0.72	3275.89	3278.42
MW-28	2/3/2014	3333.04	56.86	53.67	3.19	0.72	3276.18	3278.48
MW-28	8/5/2014	3333.04	56.86	53.80	3.06	0.72	3276.18	3278.38
MW-28	2/2/2015	3333.04	55.65	53.80	1.85	0.72	3277.39	3278.72
MW-28	8/3/2015	3333.04	55.54	53.27	2.27	0.72	3277.50	3279.13
MW-28	3/29/2016	3333.04	NM	53.15	NA	0.72	NM	NM
MW-28	9/13/2016	3333.04	55.27	53.17	2.1	0.72	3277.77	3279.28
MW-28	4/3/2017	3333.04	55.02	53.00	2.02	0.72	3278.02	3279.47
MW-28	3/13/2018	3333.04	54.88	53.00	1.88	0.72	3278.16	3279.51
MW-28	9/24/2018	3333.04	NM	NM	NA	0.72	NM	NM
MW-28	4/1/2019	3333.04	54.94	53.05	1.89	0.72	3278.10	3279.46
MW-28	10/1/2019	3333.04	55.09	53.25	1.84	0.72	3277.95	3279.27
MW-28	3/17/2020	3333.04	54.98	53.22	1.76	0.72	3278.06	3279.33
MW-28	3/15/2021	3333.04	54.90	53.2	1.7	0.72	3278.14	3279.36
MW-28	9/29/2021	3333.04	57.85	53.17	NA	NA	3275.19	3275.19
MW-28	2/22/2022	3333.04	54.76	53.1	1.66	0.72	3278.28	3279.48
MW-29	2/4/2009	3334.01	52.56	NM	NA	NA	3281.45	3281.45
MW-29	8/5/2009	3334.01	52.65	NM	NA	NA	3281.36	3281.36
MW-29	2/2/2010	3334.01	52.84	NM	NA	NA	3281.17	3281.17
MW-29	8/2/2010	3334.01	52.95	NM	NA	NA	3281.06	3281.06
MW-29	4/4/2011	3334.01	52.87	NM	NA	NA	3281.14	3281.14
MW-29	8/8/2011	3334.01	52.80	NM	NA	NA	3281.21	3281.21
MW-29	2/6/2012	3334.01	52.83	NM	NA	NA	3281.18	3281.18
MW-29	8/6/2012	3334.01	52.85	NM	NA	NA	3281.16	3281.16
MW-29	2/5/2013	3334.01	52.70	NM	NA	NA	3281.31	3281.31
MW-29	8/5/2013	3334.01	52.73	NM	NA	NA	3281.28	3281.28
MW-29	2/3/2014	3334.01	52.67	NM	NA	NA	3281.34	3281.34
MW-29	8/5/2014	3334.01	52.76	NM	NA	NA	3281.25	3281.25
MW-29	2/2/2015	3334.01	52.03	NM	NA	NA	3281.98	3281.98
MW-29	8/3/2015	3334.01	52.02	NM	NA	NA	3281.99	3281.99
MW-29	3/29/2016	3334.01	51.90	NM	NA	NA	3282.11	3282.11
MW-29	9/7/2016	3334.01	51.93	NM	NA	NA	3282.08	3282.08
MW-29	4/3/2017	3334.01	51.77	NM	NA	NA	3282.24	3282.24
MW-29	9/11/2017	3334.01	51.81	NM	NA	NA	3282.20	3282.20
MW-29	3/15/2018	3334.01	51.79	NM	NA	NA	3282.22	3282.22
MW-29	9/24/2018	3334.01	51.92	NM	NA	NA	3282.09	3282.09
MW-29	4/1/2019	3334.01	51.82	NM	NA	NA	3282.19	3282.19
MW-29	10/1/2019	3334.01	51.92	NM	NA	NA	3282.09	3282.09
MW-29	3/16/2020	3334.01	51.93	NM	NA	NA	3282.08	3282.08
MW-29	9/24/2020	3334.01	51.88	NM	NA	NA	3282.13	3282.13
MW-29	3/16/2021	3334.01	51.94	NM	NA	NA	3282.07	3282.07
MW-29	9/27/2021	3334.01	51.81	NM	NA	NA	3282.20	3282.20
MW-29	2/22/2022	3334.01	52.15	NM	NA	NA	3281.86	3281.86
MW-29	9/27/2022	3334.01	51.97	NM	NA	NA	3282.04	3282.04
MW-30	2/4/2009	3336.49	55.26	NM	NA	NA	3281.23	3281.23
MW-30	8/4/2009	3336.49	55.31	NM	NA	NA	3281.18	3281.18
MW-30	2/2/2010	3336.49	55.43	NM	NA	NA	3281.06	3281.06
MW-30	8/2/2010	3336.49	55.51	NM	NA	NA	3280.98	3280.98
MW-30	4/4/2011	3336.49	55.47	NM	NA	NA	3281.02	3281.02
MW-30	8/8/2011	3336.49	55.40	NM	NA	NA	3281.09	3281.09
MW-30	2/6/2012	3336.49	55.41	NM	NA	NA	3281.08	3281.08
MW-30	8/6/2012	3336.49	55.45	NM	NA	NA	3281.04	3281.04
MW-30	2/5/2013	3336.49	55.35	NM	NA	NA	3281.14	3281.14
MW-30	8/5/2013	3336.49	55.37	NM	NA	NA	3281.12	3281.12
MW-30	2/3/2014	3336.49	55.29	NM	NA	NA	3281.20	3281.20
MW-30	8/5/2014	3336.49	55.34	NM	NA	NA	3281.15	3281.15
MW-30	2/2/2015	3336.49	54.90	NM	NA	NA	3281.59	3281.59
MW-30	8/3/2015	3336.49	54.85	NM	NA	NA	3281.64	3281.64
MW-30	3/29/2016	3336.49	54.76	NM	NA	NA	3281.73	3281.73
MW-30	9/6/2016	3336.49	54.69	NM	NA	NA	3281.80	3281.80
MW-30	4/3/2017	3336.49	54.62	NM	NA	NA	3281.87	3281.87
MW-30	9/11/2017	3336.49	54.59	NM	NA	NA	3281.90	3281.90
MW-30	3/12/2018	3336.49	54.54	NM	NA	NA	3281.95	3281.95

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet btoc)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	LNAPL Specific Gravity	Uncorrected Groundwater Elevation (feet amsl)	Corrected Groundwater Elevation (feet amsl)[1]
MW-30	9/24/2018	3336.49	54.63	NM	NA	NA	3281.86	3281.86
MW-30	4/1/2019	3336.49	54.54	NM	NA	NA	3281.95	3281.95
MW-30	10/1/2019	3336.49	54.65	NM	NA	NA	3281.84	3281.84
MW-30	3/16/2020	3336.49	54.62	NM	NA	NA	3281.87	3281.87
MW-30	9/24/2020	3336.49	54.55	NM	NA	NA	3281.94	3281.94
MW-30	3/16/2021	3336.49	54.59	NM	NA	NA	3281.90	3281.90
MW-30	9/27/2021	3336.49	54.51	NM	NA	NA	3281.98	3281.98
MW-30	2/22/2022	3336.49	54.49	NM	NA	NA	3282.00	3282.00
MW-30	9/27/2022	3336.49	54.60	NM	NA	NA	3281.89	3281.89
MW-31	2/9/2009	3334.52	53.78	NM	NA	NA	3280.74	3280.74
MW-31	8/5/2009	3334.52	53.83	NM	NA	NA	3280.69	3280.69
MW-31	2/2/2010	3334.52	53.91	NM	NA	NA	3280.61	3280.61
MW-31	8/2/2010	3334.52	54.05	NM	NA	NA	3280.47	3280.47
MW-31	4/4/2011	3334.52	54.00	NM	NA	NA	3280.52	3280.52
MW-31	8/8/2011	3334.52	53.94	NM	NA	NA	3280.58	3280.58
MW-31	2/6/2012	3334.52	53.95	NM	NA	NA	3280.57	3280.57
MW-31	8/6/2012	3334.52	53.99	NM	NA	NA	3280.53	3280.53
MW-31	2/5/2013	3334.52	53.90	NM	NA	NA	3280.62	3280.62
MW-31	8/5/2013	3334.52	53.88	NM	NA	NA	3280.64	3280.64
MW-31	2/3/2014	3334.52	53.83	NM	NA	NA	3280.69	3280.69
MW-31	8/5/2014	3334.52	53.88	NM	NA	NA	3280.64	3280.64
MW-31	2/2/2015	3334.52	53.48	NM	NA	NA	3281.04	3281.04
MW-31	8/3/2015	3334.52	53.35	NM	NA	NA	3281.17	3281.17
MW-31	3/29/2016	3334.52	53.27	NM	NA	NA	3281.25	3281.25
MW-31	9/6/2016	3334.52	53.23	NM	NA	NA	3281.29	3281.29
MW-31	4/3/2017	3334.52	53.12	NM	NA	NA	3281.40	3281.40
MW-31	9/11/2017	3334.52	53.11	NM	NA	NA	3281.41	3281.41
MW-31	3/13/2018	3334.52	53.08	NM	NA	NA	3281.44	3281.44
MW-31	9/24/2018	3334.52	51.12	NM	NA	NA	3283.40	3283.40
MW-31	4/1/2019	3334.52	53.06	NM	NA	NA	3281.46	3281.46
MW-31	10/1/2019	3334.52	53.13	NM	NA	NA	3281.39	3281.39
MW-31	3/16/2020	3334.52	53.13	NM	NA	NA	3281.39	3281.39
MW-31	3/16/2021	3334.52	53.09	NM	NA	NA	3281.43	3281.43
MW-31	9/20/2021	3334.52	53.05	NM	NA	NA	3281.47	3281.47
MW-31	2/22/2022	3334.52	53.73	NM	NA	NA	3280.79	3280.79
MW-32	2/4/2009	3333.01	51.28	NM	NA	NA	3281.73	3281.73
MW-32	8/4/2009	3333.01	51.44	NM	NA	NA	3281.57	3281.57
MW-32	2/2/2010	3333.01	51.64	NM	NA	NA	3281.37	3281.37
MW-32	8/2/2010	3333.01	51.74	NM	NA	NA	3281.27	3281.27
MW-32	4/4/2011	3333.01	51.59	NM	NA	NA	3281.42	3281.42
MW-32	8/8/2011	3333.01	51.53	NM	NA	NA	3281.48	3281.48
MW-32	2/6/2012	3333.01	51.55	NM	NA	NA	3281.46	3281.46
MW-32	8/6/2012	3333.01	51.53	NM	NA	NA	3281.48	3281.48
MW-32	2/5/2013	3333.01	51.48	NM	NA	NA	3281.53	3281.53
MW-32	8/5/2013	3333.01	51.45	NM	NA	NA	3281.56	3281.56
MW-32	2/3/2014	3333.01	51.40	NM	NA	NA	3281.61	3281.61
MW-32	8/5/2014	3333.01	51.48	NM	NA	NA	3281.53	3281.53
MW-32	2/2/2015	3333.01	50.52	NM	NA	NA	3282.49	3282.49
MW-32	8/3/2015	3333.01	50.60	NM	NA	NA	3282.41	3282.41
MW-32	3/29/2016	3333.01	50.42	NM	NA	NA	3282.59	3282.59
MW-32	9/7/2016	3333.01	50.49	NM	NA	NA	3282.52	3282.52
MW-32	4/3/2017	3333.01	50.31	NM	NA	NA	3282.70	3282.70
MW-32	9/12/2017	3333.01	50.34	NM	NA	NA	3282.67	3282.67
MW-32	3/12/2018	3333.01	50.31	NM	NA	NA	3282.70	3282.70
MW-32	9/24/2018	3333.01	50.54	NM	NA	NA	3282.47	3282.47
MW-32	4/1/2019	3333.01	50.42	NM	NA	NA	3282.59	3282.59
MW-32	10/1/2019	3333.01	50.59	NM	NA	NA	3282.42	3282.42
MW-32	3/16/2020	3333.01	50.55	NM	NA	NA	3282.46	3282.46
MW-32	9/24/2020	3333.01	50.5	NM	NA	NA	3282.51	3282.51
MW-32	3/16/2021	3333.01	55.54	NM	NA	NA	3277.47	3277.47
MW-32	9/27/2021	3333.01	50.39	NM	NA	NA	3282.62	3282.62
MW-32	2/22/2022	3333.01	50.63	NM	NA	NA	3282.38	3282.38
MW-32	9/27/2022	3333.01	50.59	NM	NA	NA	3282.42	3282.42
MW-34	2/4/2009	3335.77	53.51	NM	NA	NA	3282.26	3282.26
MW-34	8/5/2009	3335.77	53.62	NM	NA	NA	3282.15	3282.15
MW-34	2/2/2010	3335.77	53.73	NM	NA	NA	3282.04	3282.04
MW-34	8/2/2010	3335.77	53.77	NM	NA	NA	3282.00	3282.00
MW-34	4/4/2011	3335.77	53.60	NM	NA	NA	3282.17	3282.17
MW-34	8/8/2011	3335.77	53.64	NM	NA	NA	3282.13	3282.13
MW-34	2/6/2012	3335.77	53.70	NM	NA	NA	3282.07	3282.07
MW-34	8/6/2012	3335.77	53.69	NM	NA	NA	3282.08	3282.08
MW-34	2/5/2013	3335.77	53.60	NM	NA	NA	3282.17	3282.17
MW-34	8/5/2013	3335.77	53.61	NM	NA	NA	3282.16	3282.16
MW-34	2/3/2014	3335.77	53.55	NM	NA	NA	3282.22	3282.22
MW-34	8/5/2014	3335.77	53.62	NM	NA	NA	3282.15	3282.15
MW-34	2/2/2015	3335.77	53.03	NM	NA	NA	3282.74	3282.74

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet btoc)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	LNAPL Specific Gravity	Uncorrected Groundwater Elevation (feet amsl)	Corrected Groundwater Elevation (feet amsl)[1]
MW-34	8/3/2015	3335.77	53.02	NM	NA	NA	3282.75	3282.75
MW-34	3/29/2016	3335.77	52.85	NM	NA	NA	3282.92	3282.92
MW-34	9/7/2016	3335.77	52.91	NM	NA	NA	3282.86	3282.86
MW-34	4/3/2017	3335.77	52.75	NM	NA	NA	3283.02	3283.02
MW-34	9/11/2017	3335.77	52.77	NM	NA	NA	3283.00	3283.00
MW-34	3/12/2018	3335.77	52.69	NM	NA	NA	3283.08	3283.08
MW-34	9/24/2018	3335.77	52.83	NM	NA	NA	3282.94	3282.94
MW-34	4/1/2019	3335.77	52.71	NM	NA	NA	3283.06	3283.06
MW-34	10/1/2019	3335.77	52.85	NM	NA	NA	3282.92	3282.92
MW-34	3/16/2020	3335.77	52.80	NM	NA	NA	3282.97	3282.97
MW-34	9/24/2020	3335.77	52.77	NM	NA	NA	3283.00	3283.00
MW-34	3/16/2021	3335.77	52.81	NM	NA	NA	3282.96	3282.96
MW-34	9/27/2021	3335.77	52.66	NM	NA	NA	3283.11	3283.11
MW-34	2/22/2022	3335.77	53.27	NM	NA	NA	3282.50	3282.50
MW-34	9/27/2022	3335.77	52.83	NM	NA	NA	3282.94	3282.94
MW-35	4/12/2017	NM	56.52	NM	NA	NA	NM	NM
MW-35	9/11/2017	NM	56.60	NM	NA	NA	NM	NM
MW-35	3/13/2018	NM	56.54	NM	NA	NA	NM	NM
MW-35	9/24/2018	NM	56.63	NM	NA	NA	NM	NM
MW-35	4/1/2019	NM	56.46	NM	NA	NA	NM	NM
MW-35	10/1/2019	NM	56.52	NM	NA	NA	NM	NM
MW-35	3/16/2020	NM	56.50	NM	NA	NA	NM	NM
MW-35	9/22/2020	NM	56.43	NM	NA	NA	NM	NM
MW-35	3/17/2021	NM	56.44	NM	NA	NA	NM	NM
MW-35	9/27/2021	NM	56.42	NM	NA	NA	NM	NM
MW-35	2/22/2022	NM	66.35	NM	NA	NA	NM	NM
MW-35	9/27/2022	NM	56.04	NM	NA	NA	NM	NM
MW-36	4/12/2017	NM	65.68	NM	NA	NA	NM	NM
MW-36	9/11/2017	NM	60.37	NM	NA	NA	NM	NM
MW-36	3/13/2018	NM	60.36	NM	NA	NA	NM	NM
MW-36	9/24/2018	NM	60.39	NM	NA	NA	NM	NM
MW-36	4/1/2019	NM	60.25	NM	NA	NA	NM	NM
MW-36	10/1/2019	NM	60.28	NM	NA	NA	NM	NM
MW-36	3/16/2020	NM	50.32	NM	NA	NA	NM	NM
MW-36	3/16/2021	NM	60.20	NM	NA	NA	NM	NM
MW-36	9/20/2021	NM	60.20	NM	NA	NA	NM	NM
MW-37	3/13/2018	NM	55.88	NM	NA	NA	NM	NM
MW-37	9/24/2018	NM	55.94	NM	NA	NA	NM	NM
MW-37	4/1/2019	NM	55.80	NM	NA	NA	NM	NM
MW-37	10/1/2019	NM	55.87	NM	NA	NA	NM	NM
MW-37	3/16/2020	NM	55.87	NM	NA	NA	NM	NM
MW-37	3/16/2021	NM	55.81	NM	NA	NA	NM	NM
MW-37	9/20/2021	NM	55.83	NM	NA	NA	NM	NM
MW-38	3/13/2018	NM	50.01	NM	NA	NA	NM	NM
MW-38	9/24/2018	NM	50.24	NM	NA	NA	NM	NM
MW-38	4/1/2019	NM	50.11	NM	NA	NA	NM	NM
MW-38	10/1/2019	NM	50.21	NM	NA	NA	NM	NM
MW-38	3/16/2020	NM	50.22	NM	NA	NA	NM	NM
MW-38	9/22/2020	NM	50.24	NM	NA	NA	NM	NM
MW-38	3/16/2021	NM	50.23	NM	NA	NA	NM	NM
MW-38	9/27/2021	NM	50.18	NM	NA	NA	NM	NM
MW-38	2/22/2022	NM	50.14	NM	NA	NA	NM	NM
MW-38	9/27/2022	NM	50.32	NM	NA	NA	NM	NM
MWD-1	2/11/2009	3335.26	53.37	NM	NA	NA	3281.89	3281.89
MWD-1	8/4/2009	3335.26	53.65	NM	NA	NA	3281.61	3281.61
MWD-1	2/2/2010	3335.26	53.80	NM	NA	NA	3281.46	3281.46
MWD-1	8/2/2010	3335.26	53.84	NM	NA	NA	3281.42	3281.42
MWD-1	4/11/2011	3335.26	52.98	NM	NA	NA	3282.28	3282.28
MWD-1	8/8/2011	3335.26	52.88	NM	NA	NA	3282.38	3282.38
MWD-1	2/6/2012	3335.26	52.73	NM	NA	NA	3282.53	3282.53
MWD-1	8/7/2012	3335.26	52.61	NM	NA	NA	3282.65	3282.65
MWD-1	8/5/2013	3335.26	52.62	NM	NA	NA	3282.64	3282.64
MWD-1	2/3/2014	3335.26	52.44	NM	NA	NA	3282.82	3282.82
MWD-1	8/5/2014	3335.26	53.00	NM	NA	NA	3282.26	3282.26
MWD-1	2/2/2015	3335.26	52.65	NM	NA	NA	3282.61	3282.61
MWD-1	8/3/2015	3335.26	52.60	NM	NA	NA	3282.66	3282.66
MWD-1	3/28/2016	3335.26	52.45	NM	NA	NA	3282.81	3282.81
MWD-1	9/9/2016	3335.26	52.40	NM	NA	NA	3282.86	3282.86
MWD-1	4/3/2017	3335.26	52.41	NM	NA	NA	3282.85	3282.85
MWD-1	3/12/2018	3335.26	52.10	NM	NA	NA	3283.16	3283.16
MWD-1	2/5/2013	3335.26	52.55	NM	NA	NA	3282.71	3282.71
MWD-1	9/12/2017	3335.26	52.37	NM	NA	NA	3282.89	3282.89
MWD-1	9/24/2018	3335.26	52.11	NM	NA	NA	3283.15	3283.15
MWD-1	4/1/2019	3335.26	51.93	NM	NA	NA	3283.33	3283.33
MWD-1	10/1/2019	3335.26	52.17	NM	NA	NA	3283.09	3283.09
MWD-1	3/16/2020	3335.26	51.76	NM	NA	NA	3283.50	3283.50

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet btoc)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	LNAPL Specific Gravity	Uncorrected Groundwater Elevation (feet amsl)	Corrected Groundwater Elevation (feet amsl)[1]
MWD-1	3/18/2021	3335.26	51.48	NM	NA	NA	3283.78	3283.78
MWD-1	2/22/2022	3335.26	51.46	NM	NA	NA	3283.80	3283.80
MWD-2	2/10/2009	3336.32	54.75	NM	NA	NA	3281.57	3281.57
MWD-2	8/4/2009	3336.32	54.22	NM	NA	NA	3282.10	3282.10
MWD-2	2/2/2010	3336.32	54.68	NM	NA	NA	3281.64	3281.64
MWD-2	8/2/2010	3336.32	54.43	NM	NA	NA	3281.89	3281.89
MWD-2	4/11/2011	3336.32	53.78	NM	NA	NA	3282.54	3282.54
MWD-2	8/8/2011	3336.32	53.69	NM	NA	NA	3282.63	3282.63
MWD-2	2/6/2012	3336.32	53.26	NM	NA	NA	3283.06	3283.06
MWD-2	8/7/2012	3336.32	53.48	NM	NA	NA	3282.84	3282.84
MWD-2	2/5/2013	3336.32	53.40	NM	NA	NA	3282.92	3282.92
MWD-2	8/5/2013	3336.32	53.52	NM	NA	NA	3282.80	3282.80
MWD-2	2/3/2014	3336.32	53.38	NM	NA	NA	3282.94	3282.94
MWD-2	8/5/2014	3336.32	53.65	NM	NA	NA	3282.67	3282.67
MWD-2	2/2/2015	3336.32	53.32	NM	NA	NA	3283.00	3283.00
MWD-2	8/3/2015	3336.32	53.20	NM	NA	NA	3283.12	3283.12
MWD-2	3/29/2016	3336.32	53.08	NM	NA	NA	3283.24	3283.24
MWD-2	9/9/2016	3336.32	53.08	NM	NA	NA	3283.24	3283.24
MWD-2	4/3/2017	3336.32	52.95	NM	NA	NA	3283.37	3283.37
MWD-2	3/12/2018	3336.32	52.76	NM	NA	NA	3283.56	3283.56
MWD-2	9/24/2018	3336.32	NM	NM	NA	NA	NM	NM
MWD-2	4/1/2019	3336.32	52.62	NM	NA	NA	3283.70	3283.70
MWD-2	3/16/2020	3336.32	52.65	NM	NA	NA	3283.67	3283.67
MWD-2	3/18/2021	3336.32	52.36	NM	NA	NA	3283.96	3283.96
MWD-2	2/22/2022	3336.32	52.38	NM	NA	NA	3283.94	3283.94
MWD-3	2/11/2009	3335.06	NM	NM	NA	NA	NM	NM
MWD-3	8/18/2009	3335.06	NM	NM	NA	NA	NM	NM
MWD-3	2/2/2010	3335.06	NM	NM	NA	NA	NM	NM
MWD-3	8/2/2010	3335.06	NM	NM	NA	NA	NM	NM
MWD-3	4/11/2011	3335.06	NM	NM	NA	NA	NM	NM
MWD-3	8/8/2011	3335.06	NM	NM	NA	NA	NM	NM
MWD-3	2/6/2012	3335.06	NM	NM	NA	NA	NM	NM
MWD-3	8/7/2012	3335.06	NM	NM	NA	NA	NM	NM
MWD-3	2/5/2013	3335.06	NM	NM	NA	NA	NM	NM
MWD-3	8/5/2013	3335.06	NM	NM	NA	NA	NM	NM
MWD-3	2/3/2014	3335.06	NM	NM	NA	NA	NM	NM
MWD-3	8/5/2014	3335.06	NM	NM	NA	NA	NM	NM
MWD-3	3/13/2018	3335.06	NM	NM	NA	NA	NM	NM
MWD-3*	3/28/2016	3335.06	NM	NM	NA	NA	NM	NM
MWD-3*	9/9/2016	3335.06	52.70	NM	NA	NA	3282.36	3282.36
MWD-3*	4/3/2017	3335.06	52.97	NM	NA	NA	3282.09	3282.09
MWD-3*	9/12/2017	3335.06	52.62	NM	NA	NA	3282.44	3282.44
MWD-3*	9/24/2018	3335.06	NM	NM	NA	NA	NM	NM
MWD-3*	4/1/2019	3335.06	NM	NM	NA	NA	NM	NM
MWD-3*	10/1/2019	3335.06	48.71	NM	NA	NA	3286.35	3286.35
MWD-3	9/22/2020	3335.06	52.19	NM	NA	NA	3282.87	3282.87
MWD-3	3/16/2020	3335.06	52.69	NM	NA	NA	3282.37	3282.37
MWD-3	3/18/2021	3335.06	49.63	NM	NA	NA	3285.43	3285.43
MWD-3	9/20/2021	3335.06	51.78	NM	NA	NA	3283.28	3283.28
MWD-3	2/22/2022	3335.06	51.84	NM	NA	NA	3283.22	3283.22
MWD-3	9/27/2022	3335.06	51.88	NM	NA	NA	3283.18	3283.18
MWD-4	2/5/2009	3330.86	50.32	NM	NA	NA	3280.54	3280.54
MWD-4	8/4/2009	3330.86	50.52	NM	NA	NA	3280.34	3280.34
MWD-4	2/2/2010	3330.86	50.74	NM	NA	NA	3280.12	3280.12
MWD-4	8/2/2010	3330.86	51.45	NM	NA	NA	3279.41	3279.41
MWD-4	4/11/2011	3330.86	49.89	NM	NA	NA	3280.97	3280.97
MWD-4	8/8/2011	3330.86	49.79	NM	NA	NA	3281.07	3281.07
MWD-4	2/6/2012	3330.86	49.67	NM	NA	NA	3281.19	3281.19
MWD-4	8/7/2012	3330.86	49.58	NM	NA	NA	3281.28	3281.28
MWD-4	2/5/2013	3330.86	49.55	NM	NA	NA	3281.31	3281.31
MWD-4	8/5/2013	3330.86	49.63	NM	NA	NA	3281.23	3281.23
MWD-4	2/3/2014	3330.86	49.46	NM	NA	NA	3281.40	3281.40
MWD-4	8/5/2014	3330.86	49.76	NM	NA	NA	3281.10	3281.10
MWD-4	2/2/2015	3330.86	48.25	NM	NA	NA	3282.61	3282.61
MWD-4	8/3/2015	3330.86	48.35	NM	NA	NA	3282.51	3282.51
MWD-4	3/28/2016	3330.86	48.27	NM	NA	NA	3282.59	3282.59
MWD-4	9/7/2016	3330.86	48.25	NM	NA	NA	3282.61	3282.61
MWD-4	4/3/2017	3330.86	47.78	NM	NA	NA	3283.08	3283.08
MWD-4	9/11/2017	3330.86	48.29	NM	NA	NA	3282.57	3282.57
MWD-4	3/12/2018	3330.86	48.35	NM	NA	NA	3282.51	3282.51
MWD-4	9/24/2018	3330.86	48.64	NM	NA	NA	3282.22	3282.22
MWD-4	4/1/2019	3330.86	48.45	NM	NA	NA	3282.41	3282.41
MWD-4	10/1/2019	3330.86	48.71	NM	NA	NA	3282.15	3282.15
MWD-4	3/16/2020	3330.86	48.64	NM	NA	NA	3282.22	3282.22
MWD-4	3/17/2021	3330.86	48.36	NM	NA	NA	3282.50	3282.50
MWD-4	9/20/2021	3330.86	48.26	NM	NA	NA	3282.60	3282.60

Appendix C
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ARCADIS Design & Consultancy for natural and built assets

Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet btoc)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	LNAPL Specific Gravity	Uncorrected Groundwater Elevation (feet amsl)	Corrected Groundwater Elevation (feet amsl)[1]
MWD-4	2/22/2022	3330.86	48.53	NM	NA	NA	3282.33	3282.33
MWD-5	2/12/2009	3334.01	52.11	NM	NA	NA	3281.90	3281.90
MWD-5	8/5/2009	3334.01	52.23	NM	NA	NA	3281.78	3281.78
MWD-5	2/2/2010	3334.01	53.44	NM	NA	NA	3280.57	3280.57
MWD-5	8/2/2010	3334.01	52.50	NM	NA	NA	3281.51	3281.51
MWD-5	4/11/2011	3334.01	52.30	NM	NA	NA	3281.71	3281.71
MWD-5	8/8/2011	3334.01	52.38	NM	NA	NA	3281.63	3281.63
MWD-5	2/6/2012	3334.01	52.35	NM	NA	NA	3281.66	3281.66
MWD-5	8/6/2012	3334.01	52.33	NM	NA	NA	3281.68	3281.68
MWD-5	2/5/2013	3334.01	52.30	NM	NA	NA	3281.71	3281.71
MWD-5	2/3/2014	3334.01	52.20	NM	NA	NA	3281.81	3281.81
MWD-5	8/5/2014	3334.01	52.32	NM	NA	NA	3281.69	3281.69
MWD-5	2/2/2015	3334.01	51.50	NM	NA	NA	3282.51	3282.51
MWD-5	8/3/2015	3334.01	51.15	NM	NA	NA	3282.86	3282.86
MWD-5	3/29/2016	3334.01	51.35	NM	NA	NA	3282.66	3282.66
MWD-5	9/7/2016	3334.01	51.45	NM	NA	NA	3282.56	3282.56
MWD-5	4/3/2017	3334.01	51.27	NM	NA	NA	3282.74	3282.74
MWD-5	3/12/2018	3334.01	51.20	NM	NA	NA	3282.81	3282.81
MWD-5	9/24/2018	3334.01	NM	NM	NA	NA	NM	NM
MWD-5	4/1/2019	3334.01	51.29	NM	NA	NA	3282.72	3282.72
MWD-5	3/16/2020	3334.01	51.41	NM	NA	NA	3282.60	3282.60
MWD-5	3/16/2021	3334.01	51.44	NM	NA	NA	3282.57	3282.57
MWD-5	9/27/2021	3334.01	51.28	NM	NA	NA	3282.73	3282.73
MWD-5	2/22/2022	3334.01	51.62	NM	NA	NA	3282.39	3282.39
MWD-6	2/12/2009	3335.08	53.44	NM	NA	NA	3281.64	3281.64
MWD-6	8/4/2009	3335.08	53.56	NM	NA	NA	3281.52	3281.52
MWD-6	2/2/2010	3335.08	53.67	NM	NA	NA	3281.41	3281.41
MWD-6	8/2/2010	3335.08	53.70	NM	NA	NA	3281.38	3281.38
MWD-6	4/11/2011	3335.08	53.61	NM	NA	NA	3281.47	3281.47
MWD-6	8/8/2011	3335.08	53.63	NM	NA	NA	3281.45	3281.45
MWD-6	2/6/2012	3335.08	53.62	NM	NA	NA	3281.46	3281.46
MWD-6	8/6/2012	3335.08	53.65	NM	NA	NA	3281.43	3281.43
MWD-6	2/5/2013	3335.08	53.42	NM	NA	NA	3281.66	3281.66
MWD-6	2/3/2014	3335.08	53.39	NM	NA	NA	3281.69	3281.69
MWD-6	8/5/2014	3335.08	53.53	NM	NA	NA	3281.55	3281.55
MWD-6	2/2/2015	3335.08	52.82	NM	NA	NA	3282.26	3282.26
MWD-6	8/3/2015	3335.08	52.98	NM	NA	NA	3282.10	3282.10
MWD-6	3/29/2016	3335.08	52.85	NM	NA	NA	3282.23	3282.23
MWD-6	9/7/2016	3335.08	52.88	NM	NA	NA	3282.20	3282.20
MWD-6	4/3/2017	3335.08	52.74	NM	NA	NA	3282.34	3282.34
MWD-6	9/11/2017	3335.08	52.75	NM	NA	NA	3282.33	3282.33
MWD-6	3/12/2018	3335.08	52.67	NM	NA	NA	3282.41	3282.41
MWD-6	9/24/2018	3335.08	52.74	NM	NA	NA	3282.34	3282.34
MWD-6	4/1/2019	3335.08	52.68	NM	NA	NA	3282.40	3282.40
MWD-6	10/1/2019	3335.08	52.81	NM	NA	NA	3282.27	3282.27
MWD-6	3/16/2020	3335.08	52.77	NM	NA	NA	3282.31	3282.31
MWD-6	3/16/2021	3335.08	52.76	NM	NA	NA	3282.32	3282.32
MWD-6	9/20/2021	3335.08	52.67	NM	NA	NA	3282.41	3282.41
MWD-6	2/22/2022	3335.08	53.00	NM	NA	NA	3282.08	3282.08
MWD-7	2/11/2009	3332.82	51.54	NM	NA	NA	3281.28	3281.28
MWD-7	8/5/2009	3332.82	51.68	NM	NA	NA	3281.14	3281.14
MWD-7	2/2/2010	3332.82	51.78	NM	NA	NA	3281.04	3281.04
MWD-7	8/2/2010	3332.82	51.83	NM	NA	NA	3280.99	3280.99
MWD-7	4/11/2011	3332.82	51.22	NM	NA	NA	3281.60	3281.60
MWD-7	8/8/2011	3332.82	52.13	NM	NA	NA	3280.69	3280.69
MWD-7	2/6/2012	3332.82	51.03	NM	NA	NA	3281.79	3281.79
MWD-7	8/7/2012	3332.82	50.92	NM	NA	NA	3281.90	3281.90
MWD-7	2/5/2013	3332.82	50.85	NM	NA	NA	3281.97	3281.97
MWD-7	8/5/2013	3332.82	50.95	NM	NA	NA	3281.87	3281.87
MWD-7	2/3/2014	3332.82	50.25	NM	NA	NA	3282.57	3282.57
MWD-7	8/5/2014	3332.82	51.08	NM	NA	NA	3281.74	3281.74
MWD-7	2/2/2015	3332.82	50.75	NM	NA	NA	3282.07	3282.07
MWD-7	8/3/2015	3332.82	50.67	NM	NA	NA	3282.15	3282.15
MWD-7	3/28/2016	3332.82	50.55	NM	NA	NA	3282.27	3282.27
MWD-7	9/9/2016	3332.82	50.52	NM	NA	NA	3282.30	3282.30
MWD-7	4/3/2017	3332.82	50.43	NM	NA	NA	3282.39	3282.39
MWD-7	9/12/2017	3332.82	50.35	NM	NA	NA	3282.47	3282.47
MWD-7	3/12/2018	3332.82	50.19	NM	NA	NA	3282.63	3282.63
MWD-7	9/24/2018	3332.82	50.19	NM	NA	NA	3282.63	3282.63
MWD-7	4/1/2019	3332.82	50.06	NM	NA	NA	3282.76	3282.76
MWD-7	10/1/2019	3332.82	50.26	NM	NA	NA	3282.56	3282.56
MWD-7	3/17/2020	3332.82	49.98	NM	NA	NA	3282.84	3282.84
MWD-7	3/17/2021	3332.82	49.77	NM	NA	NA	3283.05	3283.05
MWD-7	2/22/2022	3332.82	49.73	NM	NA	NA	3283.09	3283.09
MWD-8	2/10/2009	3335.97	53.58	NM	NA	NA	3282.39	3282.39
MWD-8	8/5/2009	3335.97	53.50	NM	NA	NA	3282.47	3282.47

Appendix C
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ARCADIS Design & Consultancy for natural and built assets

Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet btoc)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	LNAPL Specific Gravity	Uncorrected Groundwater Elevation (feet amsl)	Corrected Groundwater Elevation (feet amsl)[1]
MWD-8	2/2/2010	3335.97	53.67	NM	NA	NA	3282.30	3282.30
MWD-8	8/2/2010	3335.97	53.58	NM	NA	NA	3282.39	3282.39
MWD-8	4/11/2011	3335.97	53.24	NM	NA	NA	3282.73	3282.73
MWD-8	8/8/2011	3335.97	53.27	NM	NA	NA	3282.70	3282.70
MWD-8	2/6/2012	3335.97	53.10	NM	NA	NA	3282.87	3282.87
MWD-8	8/7/2012	3335.97	53.30	NM	NA	NA	3282.67	3282.67
MWD-8	2/5/2013	3335.97	52.95	NM	NA	NA	3283.02	3283.02
MWD-8	8/5/2013	3335.97	53.08	NM	NA	NA	3282.89	3282.89
MWD-8	2/3/2014	3335.97	52.91	NM	NA	NA	3283.06	3283.06
MWD-8	8/5/2014	3335.97	53.04	NM	NA	NA	3282.93	3282.93
MWD-8	2/2/2015	3335.97	52.79	NM	NA	NA	3283.18	3283.18
MWD-8	8/3/2015	3335.97	52.70	NM	NA	NA	3283.27	3283.27
MWD-8	3/29/2016	3335.97	52.57	NM	NA	NA	3283.40	3283.40
MWD-8	9/12/2016	3335.97	52.57	NM	NA	NA	3283.40	3283.40
MWD-8	4/3/2017	3335.97	52.43	NM	NA	NA	3283.54	3283.54
MWD-8	9/12/2017	3335.97	52.42	NM	NA	NA	3283.55	3283.55
MWD-8	3/12/2018	3335.97	52.28	NM	NA	NA	3283.69	3283.69
MWD-8	9/24/2018	3335.97	52.30	NM	NA	NA	3283.67	3283.67
MWD-8	4/1/2019	3335.97	52.87	NM	NA	NA	3283.10	3283.10
MWD-8	10/1/2019	3335.97	52.23	NM	NA	NA	3283.74	3283.74
MWD-8	3/16/2020	3335.97	52.18	NM	NA	NA	3283.79	3283.79
MWD-8	3/18/2021	3335.97	51.99	NM	NA	NA	3283.98	3283.98
MWD-8	9/20/2021	3335.97	51.99	NM	NA	NA	3283.98	3283.98
MWD-8	2/22/2022	3335.97	52.03	NM	NA	NA	3283.94	3283.94
MWD-9	2/11/2009	3333.45	NM	NM	NA	NA	NM	NM
MWD-9	8/17/2009	3333.45	NM	NM	NA	NA	NM	NM
MWD-9	2/2/2010	3333.45	NM	NM	NA	NA	NM	NM
MWD-9	8/2/2010	3333.45	NM	NM	NA	NA	NM	NM
MWD-9	4/11/2011	3333.45	NM	NM	NA	NA	NM	NM
MWD-9	8/8/2011	3333.45	NM	NM	NA	NA	NM	NM
MWD-9	2/6/2012	3333.45	NM	NM	NA	NA	NM	NM
MWD-9	8/7/2012	3333.45	NM	NM	NA	NA	NM	NM
MWD-9	2/5/2013	3333.45	NM	NM	NA	NA	NM	NM
MWD-9	8/5/2013	3333.45	NM	NM	NA	NA	NM	NM
MWD-9	2/3/2014	3333.45	NM	NM	NA	NA	NM	NM
MWD-9	8/5/2014	3333.45	NM	NM	NA	NA	NM	NM
MWD-9*	3/28/2016	3333.45	74.50	NM	NA	NA	3258.95	3258.95
MWD-9*	9/9/2016	3333.45	70.40	NM	NA	NA	3263.05	3263.05
MWD-9*	4/3/2017	3333.45	72.19	NM	NA	NA	3261.26	3261.26
MWD-9*	9/12/2017	3333.45	70.31	NM	NA	NA	3263.14	3263.14
MWD-9*	3/12/2018	3333.45	NM	NM	NA	NA	NM	NM
MWD-9*	9/24/2018	3333.45	NM	NM	NA	NA	NM	NM
MWD-9*	4/4/2019	3333.45	NM	NM	NA	NA	NM	NM
MWD-9*	10/1/2019	3333.45	NM	NM	NA	NA	NM	NM
MWD-9	9/22/2020	3333.45	50.62	NM	NA	NA	3282.83	3282.83
MWD-9	3/16/2020	3333.45	50.92	NM	NA	NA	3282.53	3282.53
MWD-9	3/15/2021	3333.45	50.51	NM	NA	NA	3282.94	3282.94
MWD-9	9/20/2021	3333.45	50.46	NM	NA	NA	3282.99	3282.99
MWD-9	2/22/2022	3333.45	50.47	NM	NA	NA	3282.98	3282.98
MWD-9	9/27/2022	3333.45	50.50	NM	NA	NA	3282.95	3282.95
MWD-10	2/12/2009	3334.92	53.19	NM	NA	0.74	3281.73	3281.73
MWD-10	8/4/2009	3334.92	53.21	NM	NA	0.74	3281.71	3281.71
MWD-10	2/2/2010	3334.92	53.49	NM	NA	0.74	3281.43	3281.43
MWD-10	8/2/2010	3334.92	53.49	53.47	0.02	0.74	3281.43	3281.44
MWD-10	4/11/2011	3334.92	52.93	52.92	0.01	0.74	3281.99	3282.00
MWD-10	8/8/2011	3334.92	52.89	52.88	0.01	0.74	3282.03	3282.04
MWD-10	2/6/2012	3334.92	NM	NM	NA	0.74	NM	NM
MWD-10	8/7/2012	3334.92	NM	NM	NA	0.74	NM	NM
MWD-10	2/5/2013	3334.92	NM	NM	NA	0.74	NM	NM
MWD-10	2/3/2014	3334.92	NM	NM	NA	0.74	NM	NM
MWD-10	8/5/2014	3334.92	NM	NM	NA	0.74	NM	NM
MWD-10	3/28/2016	3334.92	NM	NM	NA	0.74	NM	NM
MWD-11	2/10/2009	3338.24	55.41	NM	NA	NA	3282.83	3282.83
MWD-11	8/5/2009	3338.24	55.43	NM	NA	NA	3282.81	3282.81
MWD-11	2/2/2010	3338.24	55.50	NM	NA	NA	3282.74	3282.74
MWD-11	8/2/2010	3338.24	55.52	NM	NA	NA	3282.72	3282.72
MWD-11	4/11/2011	3338.24	55.27	NM	NA	NA	3282.97	3282.97
MWD-11	8/8/2011	3338.24	55.23	NM	NA	NA	3283.01	3283.01
MWD-11	2/6/2012	3338.24	55.15	NM	NA	NA	3283.09	3283.09
MWD-11	8/7/2012	3338.24	55.17	NM	NA	NA	3283.07	3283.07
MWD-11	2/5/2013	3338.24	55.20	NM	NA	NA	3283.04	3283.04
MWD-11	8/5/2013	3338.24	55.21	NM	NA	NA	3283.03	3283.03
MWD-11	2/3/2014	3338.24	55.08	NM	NA	NA	3283.16	3283.16
MWD-11	8/5/2014	3338.24	55.13	NM	NA	NA	3283.11	3283.11
MWD-11	2/2/2015	3338.24	54.82	NM	NA	NA	3283.42	3283.42
MWD-11	8/3/2015	3338.24	54.76	NM	NA	NA	3283.48	3283.48

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet btoc)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	LNAPL Specific Gravity	Uncorrected Groundwater Elevation (feet amsl)	Corrected Groundwater Elevation (feet amsl)[1]
MWD-11	3/29/2016	3338.24	54.61	NM	NA	NA	3283.63	3283.63
MWD-11	9/12/2016	3338.24	54.54	NM	NA	NA	3283.70	3283.70
MWD-11	4/3/2017	3338.24	54.49	NM	NA	NA	3283.75	3283.75
MWD-11	9/12/2017	3338.24	54.43	NM	NA	NA	3283.81	3283.81
MWD-11	3/13/2018	3338.24	54.40	NM	NA	NA	3283.84	3283.84
MWD-11	9/24/2018	3338.24	54.41	NM	NA	NA	3283.83	3283.83
MWD-11	4/1/2019	3338.24	54.31	NM	NA	NA	3283.93	3283.93
MWD-11	10/1/2019	3338.24	54.37	NM	NA	NA	3283.87	3283.87
MWD-11	3/16/2020	3338.24	54.31	NM	NA	NA	3283.93	3283.93
MWD-11	3/17/2021	3338.24	54.27	NM	NA	NA	3283.97	3283.97
MWD-11	9/20/2021	3338.24	54.22	NM	NA	NA	3284.02	3284.02
MWD-11	2/22/2022	3338.24	54.40	NM	NA	NA	3283.84	3283.84
MWD-12	2/17/2009	3334.08	53.04	NM	NA	NA	3281.04	3281.04
MWD-12	8/5/2009	3334.08	53.25	NM	NA	NA	3280.83	3280.83
MWD-12	2/2/2010	3334.08	53.43	NM	NA	NA	3280.65	3280.65
MWD-12	8/2/2010	3334.08	53.70	NM	NA	NA	3280.38	3280.38
MWD-12	4/11/2011	3334.08	53.03	NM	NA	NA	3281.05	3281.05
MWD-12	8/8/2011	3334.08	53.01	NM	NA	NA	3281.07	3281.07
MWD-12	2/6/2012	3334.08	52.92	NM	NA	NA	3281.16	3281.16
MWD-12	8/7/2012	3334.08	52.90	NM	NA	NA	3281.18	3281.18
MWD-12	2/5/2013	3334.08	52.90	NM	NA	NA	3281.18	3281.18
MWD-12	2/3/2014	3334.08	52.79	NM	NA	NA	3281.29	3281.29
MWD-12	8/5/2014	3334.08	52.95	NM	NA	NA	3281.13	3281.13
MWD-12	2/2/2015	3334.08	51.89	NM	NA	NA	3282.19	3282.19
MWD-12	8/3/2015	3334.08	51.95	NM	NA	NA	3282.13	3282.13
MWD-12	3/28/2016	3334.08	51.73	NM	NA	NA	3282.35	3282.35
MWD-12	9/7/2016	3334.08	51.85	NM	NA	NA	3282.23	3282.23
MWD-12	4/3/2017	3334.08	51.61	NM	NA	NA	3282.47	3282.47
MWD-12	9/12/2017	3334.08	51.63	NM	NA	NA	3282.45	3282.45
MWD-12	3/12/2018	3334.08	51.61	NM	NA	NA	3282.47	3282.47
MWD-12	9/24/2018	3334.08	51.91	NM	NA	NA	3282.17	3282.17
MWD-12	4/1/2019	3334.08	51.72	NM	NA	NA	3282.36	3282.36
MWD-12	10/1/2019	3334.08	51.96	NM	NA	NA	3282.12	3282.12
MWD-12	9/24/2020	3334.08	51.78	NM	NA	NA	3282.30	3282.30
MWD-12	3/16/2020	3334.08	51.89	NM	NA	NA	3282.19	3282.19
MWD-12	3/17/2021	3334.08	51.80	NM	NA	NA	3282.28	3282.28
MWD-12	9/20/2021	3334.08	51.64	NM	NA	NA	3282.44	3282.44
MWD-12	2/22/2022	3334.08	51.94	NM	NA	NA	3282.14	3282.14
MWD-12	9/27/2022	3334.08	51.82	NM	NA	NA	3282.26	3282.26
MWD-13	2/5/2009	3332.11	52.37	NM	NA	NA	3279.74	3279.74
MWD-13	8/4/2009	3332.11	52.33	NM	NA	NA	3279.78	3279.78
MWD-13	2/2/2010	3332.11	52.87	NM	NA	NA	3279.24	3279.24
MWD-13	8/2/2010	3332.11	53.11	NM	NA	NA	3279.00	3279.00
MWD-13	4/11/2011	3332.11	51.31	NM	NA	NA	3280.80	3280.80
MWD-13	8/8/2011	3332.11	51.13	NM	NA	NA	3280.98	3280.98
MWD-13	2/6/2012	3332.11	50.95	NM	NA	NA	3281.16	3281.16
MWD-13	8/6/2012	3332.11	50.85	NM	NA	NA	3281.26	3281.26
MWD-13	2/5/2013	3332.11	50.80	NM	NA	NA	3281.31	3281.31
MWD-13	8/5/2013	3332.11	50.90	NM	NA	NA	3281.21	3281.21
MWD-13	2/3/2014	3332.11	50.69	NM	NA	NA	3281.42	3281.42
MWD-13	8/5/2014	3332.11	51.40	NM	NA	NA	3280.71	3280.71
MWD-13	2/2/2015	3332.11	50.62	NM	NA	NA	3281.49	3281.49
MWD-13	8/3/2015	3332.11	50.60	NM	NA	NA	3281.51	3281.51
MWD-13	3/28/2016	3332.11	50.45	NM	NA	NA	3281.66	3281.66
MWD-13	9/7/2016	3332.11	50.30	NM	NA	NA	3281.81	3281.81
MWD-13	4/3/2017	3332.11	50.40	NM	NA	NA	3281.71	3281.71
MWD-13	9/12/2017	3332.11	50.27	NM	NA	NA	3281.84	3281.84
MWD-13	3/12/2018	3332.11	50.20	NM	NA	NA	3281.91	3281.91
MWD-13	9/24/2018	3332.11	50.46	NM	NA	NA	3281.65	3281.65
MWD-13	4/1/2019	3332.11	50.02	NM	NA	NA	3282.09	3282.09
MWD-13	10/1/2019	3332.11	50.41	NM	NA	NA	3281.70	3281.70
MWD-13	9/22/2020	3332.11	49.70	NM	NA	NA	3282.41	3282.41
MWD-13	3/16/2020	3332.11	50.08	NM	NA	NA	3282.03	3282.03
MWD-13	3/17/2021	3332.11	49.63	NM	NA	NA	3282.48	3282.48
MWD-13	9/22/2021	3332.11	49.55	NM	NA	NA	3282.56	3282.56
MWD-13	2/22/2022	3332.11	49.79	NM	NA	NA	3282.32	3282.32
MWD-13	9/27/2022	3332.11	49.58	NM	NA	NA	3282.53	3282.53
MWD-14	2/12/2009	3333.76	52.86	NM	NA	NA	3280.90	3280.90
MWD-14	8/4/2009	3333.76	52.81	NM	NA	NA	3280.95	3280.95
MWD-14	2/2/2010	3333.76	53.23	NM	NA	NA	3280.53	3280.53
MWD-14	8/2/2010	3333.76	53.26	NM	NA	NA	3280.50	3280.50
MWD-14	4/11/2011	3333.76	52.27	NM	NA	NA	3281.49	3281.49
MWD-14	8/8/2011	3333.76	52.21	NM	NA	NA	3281.55	3281.55
MWD-14	2/6/2012	3333.76	52.10	NM	NA	NA	3281.66	3281.66
MWD-14	8/7/2012	3333.76	51.97	NM	NA	NA	3281.79	3281.79
MWD-14	2/5/2013	3333.76	51.96	NM	NA	NA	3281.80	3281.80

Appendix C
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ARCADIS Design & Consultancy for natural and built assets

Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet btoc)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	LNAPL Specific Gravity	Uncorrected Groundwater Elevation (feet amsl)	Corrected Groundwater Elevation (feet amsl)[1]
MWD-14	2/3/2014	3333.76	51.90	NM	NA	NA	3281.86	3281.86
MWD-14	8/5/2014	3333.76	52.35	NM	NA	NA	3281.41	3281.41
MWD-14	2/2/2015	3333.76	51.55	NM	NA	NA	3282.21	3282.21
MWD-14	8/3/2015	3333.76	51.50	NM	NA	NA	3282.26	3282.26
MWD-14	3/29/2016	3333.76	51.35	NM	NA	NA	3282.41	3282.41
MWD-14	9/7/2016	3333.76	51.15	NM	NA	NA	3282.61	3282.61
MWD-14	4/3/2017	3333.76	51.20	NM	NA	NA	3282.56	3282.56
MWD-14	9/12/2017	3333.76	50.76	NM	NA	NA	3283.00	3283.00
MWD-14	3/13/2018	3333.76	51.08	NM	NA	NA	3282.68	3282.68
MWD-14	9/24/2018	3333.76	48.64	NM	NA	NA	3285.12	3285.12
MWD-14	4/1/2019	3333.76	50.95	NM	NA	NA	3282.81	3282.81
MWD-14	10/1/2019	3333.76	51.36	NM	NA	NA	3282.40	3282.40
MWD-14	9/23/2020	3333.76	50.78	NM	NA	NA	3282.98	3282.98
MWD-14	3/16/2020	3333.76	51.06	NM	NA	NA	3282.70	3282.70
MWD-14	3/19/2021	3333.76	50.78	NM	NA	NA	3282.98	3282.98
MWD-14	9/20/2021	3333.76	50.55	NM	NA	NA	3283.21	3283.21
MWD-14	2/22/2022	3333.76	51.93	NM	NA	NA	3281.83	3281.83
MWD-14	9/27/2022	3333.76	50.63	NM	NA	NA	3283.13	3283.13
MWD-15	8/4/2009	3335.35	53.29	NM	NA	NA	3282.06	3282.06
MWD-15	2/2/2010	3335.35	53.70	NM	NA	NA	3281.65	3281.65
MWD-15	8/2/2010	3335.35	53.57	NM	NA	NA	3281.78	3281.78
MWD-15	4/11/2011	3335.35	52.92	NM	NA	NA	3282.43	3282.43
MWD-15	8/8/2011	3335.35	52.46	NM	NA	NA	3282.89	3282.89
MWD-15	2/6/2012	3335.35	54.81	NM	NA	NA	3280.54	3280.54
MWD-15	8/7/2012	3335.35	52.73	NM	NA	NA	3282.62	3282.62
MWD-15	2/5/2013	3335.35	52.66	NM	NA	NA	3282.69	3282.69
MWD-15	8/5/2013	3335.35	53.81	NM	NA	NA	3281.54	3281.54
MWD-15	2/3/2014	3335.35	52.63	NM	NA	NA	3282.72	3282.72
MWD-15	8/5/2014	3335.35	52.86	NM	NA	NA	3282.49	3282.49
MWD-15	2/2/2015	3335.35	52.35	NM	NA	NA	3283.00	3283.00
MWD-15	8/3/2015	3335.35	52.22	NM	NA	NA	3283.13	3283.13
MWD-15	3/29/2016	3335.35	52.13	NM	NA	NA	3283.22	3283.22
MWD-15	9/9/2016	3335.35	52.10	NM	NA	NA	3283.25	3283.25
MWD-15	4/3/2017	3335.35	51.99	NM	NA	NA	3283.36	3283.36
MWD-15	9/12/2017	3335.35	51.92	NM	NA	NA	3283.43	3283.43
MWD-15	3/12/2018	3335.35	51.84	NM	NA	NA	3283.51	3283.51
MWD-15	9/24/2018	3335.35	52.00	NM	NA	NA	3283.35	3283.35
MWD-15	4/1/2019	3335.35	51.77	NM	NA	NA	3283.58	3283.58
MWD-15	10/1/2019	3335.35	51.97	NM	NA	NA	3283.38	3283.38
MWD-15	9/22/2020	3335.35	51.85	NM	NA	NA	3283.50	3283.50
MWD-15	3/16/2020	3335.35	51.83	NM	NA	NA	3283.52	3283.52
MWD-15	3/18/2021	3335.35	51.85	NM	NA	NA	3283.50	3283.50
MWD-15	9/20/2021	3335.35	51.56	NM	NA	NA	3283.79	3283.79
MWD-15	2/22/2022	3335.35	51.63	NM	NA	NA	3283.72	3283.72
MWD-15	9/27/2022	3335.35	51.62	NM	NA	NA	3283.73	3283.73
MWD-16	2/12/2009	3334.1	52.39	NM	NA	NA	3281.71	3281.71
MWD-16	8/5/2009	3334.1	52.42	NM	NA	NA	3281.68	3281.68
MWD-16	2/2/2010	3334.1	52.73	NM	NA	NA	3281.37	3281.37
MWD-16	8/2/2010	3334.1	52.77	NM	NA	NA	3281.33	3281.33
MWD-16	4/11/2011	3334.1	52.04	NM	NA	NA	3282.06	3282.06
MWD-16	8/8/2011	3334.1	NM	NM	NA	NA	NM	NM
MWD-16	2/6/2012	3334.1	NM	NM	NA	NA	NM	NM
MWD-16	8/7/2012	3334.1	NM	NM	NA	NA	NM	NM
MWD-16	2/5/2013	3334.1	NM	NM	NA	NA	NM	NM
MWD-16	2/3/2014	3334.1	NM	NM	NA	NA	NM	NM
MWD-16	8/5/2014	3334.1	NM	NM	NA	NA	NM	NM
MWD-16	3/29/2016	3334.1	NM	NM	NA	NA	NM	NM
MWD-17	2/12/2009	3334.74	54.28	NM	NA	NA	3280.46	3280.46
MWD-17	8/4/2009	3334.74	54.13	NM	NA	NA	3280.61	3280.61
MWD-17	2/2/2010	3334.74	54.91	NM	NA	NA	3279.83	3279.83
MWD-17	8/2/2010	3334.74	55.03	NM	NA	NA	3279.71	3279.71
MWD-17	4/11/2011	3334.74	53.20	NM	NA	NA	3281.54	3281.54
MWD-17	8/8/2011	3334.74	53.04	NM	NA	NA	3281.70	3281.70
MWD-17	2/6/2012	3334.74	52.90	NM	NA	NA	3281.84	3281.84
MWD-17	8/7/2012	3334.74	52.75	NM	NA	NA	3281.99	3281.99
MWD-17	2/5/2013	3334.74	52.70	NM	NA	NA	3282.04	3282.04
MWD-17	8/5/2013	3334.74	52.80	NM	NA	NA	3281.94	3281.94
MWD-17	2/3/2014	3334.74	52.63	NM	NA	NA	3282.11	3282.11
MWD-17	8/5/2014	3334.74	53.54	NM	NA	NA	3281.20	3281.20
MWD-17	2/2/2015	3334.74	52.69	NM	NA	NA	3282.05	3282.05
MWD-17	8/3/2015	3334.74	52.70	NM	NA	NA	3282.04	3282.04
MWD-17	3/28/2016	3334.74	52.66	NM	NA	NA	3282.08	3282.08
MWD-17	9/7/2016	3334.74	52.32	NM	NA	NA	3282.42	3282.42
MWD-17	4/3/2017	3334.74	52.45	NM	NA	NA	3282.29	3282.29
MWD-17	3/12/2018	3334.74	52.18	NM	NA	NA	3282.56	3282.56
MWD-17	9/24/2018	3334.74	NM	NM	NA	NA	NM	NM

Appendix C
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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet btoc)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	LNAPL Specific Gravity	Uncorrected Groundwater Elevation (feet amsl)	Corrected Groundwater Elevation (feet amsl)[1]
MWD-17	4/1/2019	3334.74	52.24	NM	NA	NA	3282.50	3282.50
MWD-17	3/16/2020	3334.74	51.99	NM	NA	NA	3282.75	3282.75
MWD-17	3/18/2021	3334.74	51.58	NM	NA	NA	3283.16	3283.16
MWD-17	9/20/2021	3334.74	51.42	NM	NA	NA	3283.32	3283.32
MWD-17	2/22/2022	3334.74	51.51	NM	NA	NA	3283.23	3283.23
RW-1	3/9/2009	3335.19	54.47	51.98	2.49	0.74	3280.72	3282.56
RW-1	8/5/2009	3335.19	55.01	51.92	3.09	0.74	3280.18	3282.47
RW-1	2/2/2010	3335.19	55.25	52.00	3.25	0.74	3279.94	3282.35
RW-1	8/2/2010	3335.19	55.20	51.98	3.22	0.74	3279.99	3282.37
RW-1	4/4/2011	3335.19	54.78	51.84	2.94	0.74	3280.41	3282.59
RW-1	8/8/2011	3335.19	54.45	51.73	2.72	0.74	3280.74	3282.75
RW-1	2/6/2012	3335.19	55.20	52.13	3.07	0.74	3279.99	3282.26
RW-1	8/14/2012	3335.19	54.68	51.77	2.91	0.74	3280.51	3282.66
RW-1	2/5/2013	3335.19	54.53	51.78	2.75	0.74	3280.66	3282.70
RW-1	8/5/2013	3335.19	54.50	51.70	2.8	0.74	3280.69	3282.76
RW-1	2/3/2014	3335.19	53.37	51.67	1.7	0.74	3281.82	3283.08
RW-1	8/5/2014	3335.19	54.41	51.69	2.72	0.74	3280.78	3282.79
RW-1	2/2/2015	3335.19	53.36	51.45	1.91	0.74	3281.83	3283.24
RW-1	8/3/2015	3335.19	53.36	51.41	1.95	0.74	3281.83	3283.27
RW-1	3/29/2016	3335.19	53.11	51.25	1.86	0.74	3282.08	3283.46
RW-1	9/13/2016	3335.19	53.13	51.30	1.83	0.74	3282.06	3283.41
RW-1	4/3/2017	3335.19	52.94	51.16	1.78	0.74	3282.25	3283.57
RW-1	3/13/2018	3335.19	52.78	51.16	1.62	0.74	3282.41	3283.61
RW-1	9/24/2018	3335.19	NM	51.16	NA	0.74	NM	NM
RW-1	4/1/2019	3335.19	52.72	51.09	1.63	0.74	3282.47	3283.68
RW-1	10/1/2019	3335.19	52.85	51.29	1.56	0.74	3282.34	3283.49
RW-1	3/17/2020	3335.19	52.83	51.17	1.66	0.74	3282.36	3283.59
RW-1	3/15/2021	3335.19	52.81	51.12	1.69	0.74	3282.38	3283.63
RW-1	9/29/2021	3335.19	52.88	51.19	1.69	0.74	3282.31	3283.56
RW-1	2/22/2022	3335.19	53.08	51.34	1.74	0.74	3282.11	3283.40
RW-2	3/9/2009	3337.84	58.04	55.75	2.29	0.74	3279.80	3281.49
RW-2	8/5/2009	3337.84	58.31	55.79	2.52	0.74	3279.53	3281.39
RW-2	2/2/2010	3337.84	58.45	55.82	2.63	0.74	3279.39	3281.34
RW-2	8/2/2010	3337.84	58.45	55.84	2.61	0.74	3279.39	3281.32
RW-2	4/4/2011	3337.84	58.25	55.72	2.53	0.74	3279.59	3281.46
RW-2	8/8/2011	3337.84	58.23	55.73	2.5	0.74	3279.61	3281.46
RW-2	2/6/2012	3337.84	58.53	55.87	2.66	0.74	3279.31	3281.28
RW-2	8/14/2012	3337.84	58.31	55.65	2.66	0.74	3279.53	3281.50
RW-2	2/5/2013	3337.84	58.25	55.61	2.64	0.74	3279.59	3281.54
RW-2	8/5/2013	3337.84	57.89	55.35	2.54	0.74	3279.95	3281.83
RW-2	2/3/2014	3337.84	57.83	55.66	2.17	0.74	3280.01	3281.62
RW-2	8/5/2014	3337.84	58.17	55.61	2.56	0.74	3282.23	3280.34
RW-2	2/2/2015	3337.84	57.13	55.25	1.88	0.74	3280.71	3282.10
RW-2	8/3/2015	3337.84	57.18	55.30	1.88	0.74	3280.66	3282.05
RW-2	3/29/2016	3337.84	56.90	55.16	1.74	0.74	3280.94	3282.23
RW-2	9/13/2016	3337.84	56.90	56.90	0	0.74	3280.94	3280.94
RW-2	4/3/2017	3337.84	55.10	55.06	0.04	0.74	3282.74	3282.77
RW-2	3/13/2018	3337.84	56.53	55.03	1.5	0.74	3281.31	3282.42
RW-2	9/24/2018	3337.84	NM	55.03	NA	0.74	NM	NM
RW-2	4/1/2019	3337.84	56.47	54.95	1.52	0.74	3281.37	3282.49
RW-2	10/1/2019	3337.84	56.60	55.13	1.47	0.74	3281.24	3282.33
RW-2	3/17/2020	3337.84	56.54	55.1	1.44	0.74	3281.30	3282.37
RW-2	3/15/2021	3337.84	56.51	55.04	1.47	0.74	3281.33	3282.42
RW-2	9/29/2021	3337.84	55.12	NM	NA	NA	3282.72	3282.72
RW-2	2/22/2022	3337.84	56.72	55.23	1.49	0.74	3281.12	3282.22
RW-3	3/9/2009	3338.06	57.15	56.37	0.78	0.72	3280.91	3281.47
RW-3	8/5/2009	3338.06	57.29	56.46	0.83	0.72	3280.77	3281.37
RW-3	2/2/2010	3338.06	57.45	56.58	0.87	0.72	3280.61	3281.24
RW-3	8/2/2010	3338.06	57.49	56.59	0.9	0.72	3280.57	3281.22
RW-3	4/4/2011	3338.06	57.23	56.40	0.83	0.72	3280.83	3281.43
RW-3	8/8/2011	3338.06	57.38	56.35	1.03	0.72	3280.68	3281.42
RW-3	2/6/2012	3338.06	57.50	56.52	0.98	0.72	3280.56	3281.27
RW-3	8/14/2012	3338.06	57.55	56.34	1.21	0.72	3280.51	3281.38
RW-3	2/5/2013	3338.06	57.61	56.31	1.3	0.72	3280.45	3281.39
RW-3	8/5/2013	3338.06	57.60	56.25	1.35	0.72	3280.46	3281.43
RW-3	2/3/2014	3338.06	57.58	56.20	1.38	0.72	3280.48	3281.47
RW-3	8/5/2014	3338.06	57.68	56.26	1.42	0.72	3280.38	3281.40
RW-3	2/2/2015	3338.06	56.21	55.94	0.27	0.72	3281.85	3282.04
RW-3	8/3/2015	3338.06	56.08	55.93	0.15	0.72	3281.98	3282.09
RW-3	3/29/2016	3338.06	55.84	55.67	0.17	0.72	3282.22	3282.34
RW-3	9/13/2016	3338.06	55.72	NM	NA	0.72	3282.34	3282.34
RW-3	4/3/2017	3338.06	55.59	NM	NA	0.72	3282.47	3282.47
RW-3	3/13/2018	3338.06	55.71	55.54	0.17	0.72	3282.35	3282.47
RW-3	9/24/2018	3338.06	NM	55.54	NA	0.72	NM	NM
RW-3	4/4/2019	3338.06	55.55	55.55	0	0.72	3282.51	3282.51
RW-3	10/1/2019	3338.06	55.72	NM	NA	0.72	3282.34	3282.34

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RW-3	3/16/2020	3338.06	55.69	55.62	0.07	0.72	3282.37	3282.42
RW-3	3/15/2021	3338.06	55.68	55.59	0.09	0.72	3282.38	3282.44
RW-3	9/29/2021	3338.06	55.49	NM	NA	NA	3282.57	3282.57
RW-3	2/22/2022	3338.06	55.77	55.76	0.01	0.72	3282.29	3282.30
RW-4	3/9/2009	3334.14	57.70	54.63	3.07	0.72	3276.44	3278.65
RW-4	8/5/2009	3334.14	58.04	54.67	3.37	0.72	3276.10	3278.53
RW-4	2/2/2010	3334.14	58.00	54.77	3.23	0.72	3276.14	3278.47
RW-4	8/2/2010	3334.14	58.37	54.80	3.57	0.72	3275.77	3278.34
RW-4	4/4/2011	3334.14	57.77	54.57	3.2	0.72	3276.37	3278.67
RW-4	8/8/2011	3334.14	57.54	54.54	3	0.72	3276.60	3278.76
RW-4	2/6/2012	3334.14	58.10	54.79	3.31	0.72	3276.04	3278.42
RW-4	8/14/2012	3334.14	57.77	54.49	3.28	0.72	3276.37	3278.73
RW-4	2/5/2013	3334.14	57.70	54.45	3.25	0.72	3276.44	3278.78
RW-4	8/5/2013	3334.14	57.65	54.42	3.23	0.72	3276.49	3278.82
RW-4	2/3/2014	3334.14	57.57	54.42	3.15	0.72	3276.57	3278.84
RW-4	8/5/2014	3334.14	57.67	54.51	3.16	0.72	3276.47	3278.75
RW-4	2/2/2015	3334.14	50.95	50.80	0.15	0.72	3283.19	3283.30
RW-4	8/3/2015	3334.14	56.08	53.89	2.19	0.72	3278.06	3279.64
RW-4	3/29/2016	3334.14	56.78	53.80	2.98	0.72	3277.36	3279.51
RW-4	9/13/2016	3334.14	55.96	53.84	2.12	0.72	3278.18	3279.71
RW-4	4/3/2017	3334.14	55.72	53.75	1.97	0.72	3278.42	3279.84
RW-4	3/13/2018	3334.14	55.50	53.68	1.82	0.72	3278.64	3279.95
RW-4	9/24/2018	3334.14	NM	53.68	NA	0.72	NM	NM
RW-4	4/1/2019	3334.14	55.65	53.70	1.95	0.72	3278.49	3279.89
RW-4	10/1/2019	3334.14	53.89	NM	NA	0.72	3280.25	3280.25
RW-4	3/17/2020	3334.14	NM	53.84	NA	0.72	NM	NM
RW-4	3/15/2021	3334.14	55.58	53.80	1.78	0.72	3278.56	3279.84
RW-4	9/29/2021	3334.14	55.40	53.79	1.61	0.72	3278.74	3279.90
RW-4	2/22/2022	3334.14	55.41	53.68	1.73	0.72	3278.73	3279.98
RW-5	3/9/2009	3334.2	57.60	55.23	2.37	0.72	3276.60	3278.31
RW-5	8/5/2009	3334.2	58.09	55.28	2.81	0.72	3276.11	3278.13
RW-5	2/2/2010	3334.2	58.13	55.35	2.78	0.72	3276.07	3278.07
RW-5	8/2/2010	3334.2	58.00	55.37	2.63	0.72	3276.20	3278.09
RW-5	4/4/2011	3334.2	58.11	55.25	2.86	0.72	3276.09	3278.15
RW-5	8/8/2011	3334.2	NM	NM	NA	0.72	NM	NM
RW-5	2/6/2012	3334.2	58.18	55.33	2.85	0.72	3276.02	3278.07
RW-5	8/14/2012	3334.2	58.07	55.21	2.86	0.72	3276.13	3278.19
RW-5	2/5/2013	3334.2	58.00	54.20	3.8	0.72	3276.20	3278.94
RW-5	8/5/2013	3334.2	58.01	55.15	2.86	0.72	3276.19	3278.25
RW-5	2/3/2014	3334.2	57.87	55.12	2.75	0.72	3276.33	3278.31
RW-5	8/5/2014	3334.2	NM	55.19	NA	0.72	NM	NM
RW-5	2/2/2015	3334.2	55.84	54.94	0.9	0.72	3278.36	3279.01
RW-5	8/3/2015	3334.2	56.09	54.89	1.2	0.72	3278.11	3278.97
RW-5	3/29/2016	3334.2	55.32	54.74	0.58	0.72	3278.88	3279.30
RW-5	9/13/2016	3334.2	55.53	54.78	0.75	0.72	3278.67	3279.21
RW-5	4/3/2017	3334.2	54.70	54.66	0.04	0.72	3279.50	3279.53
RW-5	3/13/2018	3334.2	55.01	54.66	0.35	0.72	3279.19	3279.44
RW-5	9/24/2018	3334.2	NM	54.66	NA	0.72	NM	NM
RW-5	4/1/2019	3334.2	55.06	54.64	0.42	0.72	3279.14	3279.44
RW-5	10/1/2019	3334.2	55.34	54.45	0.89	0.72	3278.86	3279.50
RW-5	3/17/2020	3334.2	55.03	54.72	0.31	0.72	3279.17	3279.39
RW-5	3/15/2021	3334.2	55.28	54.67	0.61	0.72	3278.92	3279.36
RW-5	9/29/2021	3334.2	55.14	54.71	0.43	0.72	3279.06	3279.37
RW-5	2/22/2022	3334.2	55.08	54.64	0.44	0.72	3279.12	3279.44
RW-6	2/11/2009	3332.37	NM	NM	NA	NA	NM	NM
RW-6	8/17/2009	3332.37	NM	NM	NA	NA	NM	NM
RW-6	2/2/2010	3332.37	NM	NM	NA	NA	NM	NM
RW-6	8/2/2010	3332.37	NM	NM	NA	NA	NM	NM
RW-6	4/11/2011	3332.37	NM	NM	NA	NA	NM	NM
RW-6	8/8/2011	3332.37	NM	NM	NA	NA	NM	NM
RW-6	2/6/2012	3332.37	NM	NM	NA	NA	NM	NM
RW-6	8/7/2012	3332.37	NM	NM	NA	NA	NM	NM
RW-6	2/5/2013	3332.37	NM	NM	NA	NA	NM	NM
RW-6	8/5/2013	3332.37	50.87	NM	NA	NA	3281.50	3281.50
RW-6	2/3/2014	3332.37	50.68	NM	NA	NA	3281.69	3281.69
RW-6	8/5/2014	3332.37	51.20	NM	NA	NA	3281.17	3281.17
RW-6	2/2/2015	3332.37	49.80	NM	NA	NA	3282.57	3282.57
RW-6	8/3/2015	3332.37	50.15	NM	NA	NA	3282.22	3282.22
RW-6	3/28/2016	3332.37	49.92	NM	NA	NA	3282.45	3282.45
RW-6	9/7/2016	3332.37	49.66	NM	NA	NA	3282.71	3282.71
RW-6	4/3/2017	3332.37	49.91	NM	NA	NA	3282.46	3282.46
RW-6	9/12/2017	3332.37	49.81	NM	NA	NA	3282.56	3282.56
RW-6	3/12/2018	3332.37	49.75	NM	NA	NA	3282.62	3282.62
RW-6	9/24/2018	3332.37	52.30	NM	NA	NA	3280.07	3280.07
RW-6	4/1/2019	3332.37	49.70	NM	NA	NA	3282.67	3282.67
RW-6	10/1/2019	3332.37	50.49	NM	NA	NA	3281.88	3281.88

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RW-6	9/22/2020	3332.37	49.64	NM	NA	NA	3282.73	3282.73
RW-6	3/16/2020	3332.37	49.92	NM	NA	NA	3282.45	3282.45
RW-6	3/17/2021	3332.37	49.55	NM	NA	NA	3282.82	3282.82
RW-6	9/20/2021	3332.37	49.48	NM	NA	NA	3282.89	3282.89
RW-6	2/22/2022	3332.37	49.54	NM	NA	NA	3282.83	3282.83
RW-6	9/27/2022	3332.37	49.61	NM	NA	NA	3282.76	3282.76
RW-7	2/11/2009	3331.23	NM	NM	NA	NA	NM	NM
RW-7	8/17/2009	3331.23	NM	NM	NA	NA	NM	NM
RW-7	2/2/2010	3331.23	NM	NM	NA	NA	NM	NM
RW-7	8/2/2010	3331.23	NM	NM	NA	NA	NM	NM
RW-7	4/11/2011	3331.23	NM	NM	NA	NA	NM	NM
RW-7	8/8/2011	3331.23	NM	NM	NA	NA	NM	NM
RW-7	2/6/2012	3331.23	NM	NM	NA	NA	NM	NM
RW-7	8/7/2012	3331.23	NM	NM	NA	NA	NM	NM
RW-7	2/5/2013	3331.23	NM	NM	NA	NA	NM	NM
RW-7	8/5/2013	3331.23	52.55	NM	NA	NA	3278.68	3278.68
RW-7	2/3/2014	3331.23	52.40	NM	NA	NA	3278.83	3278.83
RW-7	8/5/2014	3331.23	53.05	NM	NA	NA	3278.18	3278.18
RW-7	2/2/2015	3331.23	52.43	NM	NA	NA	3278.80	3278.80
RW-7	8/3/2015	3331.23	52.53	NM	NA	NA	3278.70	3278.70
RW-7	3/28/2016	3331.23	52.41	NM	NA	NA	3278.82	3278.82
RW-7	9/7/2016	3331.23	52.13	NM	NA	NA	3279.10	3279.10
RW-7	4/3/2017	3331.23	52.34	NM	NA	NA	3278.89	3278.89
RW-7	9/12/2017	3331.23	52.22	NM	NA	NA	3279.01	3279.01
RW-7	3/12/2018	3331.23	51.96	NM	NA	NA	3279.27	3279.27
RW-7	9/24/2018	3331.23	52.22	NM	NA	NA	3279.01	3279.01
RW-7	4/1/2019	3331.23	51.76	NM	NA	NA	3279.47	3279.47
RW-7	10/1/2019	3331.23	52.28	NM	NA	NA	3278.95	3278.95
RW-7	3/16/2020	3331.23	51.68	NM	NA	NA	3279.55	3279.55
RW-7	3/19/2021	3331.23	50.81	NM	NA	NA	3280.42	3280.42
RW-7	9/20/2021	3331.23	50.75	NM	NA	NA	3280.48	3280.48
RW-7	2/22/2022	3331.23	50.76	NM	NA	NA	3280.47	3280.47
RW-8	2/11/2009	3333.39	NM	NM	NA	NA	NM	NM
RW-8	8/17/2009	3333.39	NM	NM	NA	NA	NM	NM
RW-8	2/2/2010	3333.39	NM	NM	NA	NA	NM	NM
RW-8	8/2/2010	3333.39	NM	NM	NA	NA	NM	NM
RW-8	4/11/2011	3333.39	NM	NM	NA	NA	NM	NM
RW-8	8/8/2011	3333.39	NM	NM	NA	NA	NM	NM
RW-8	2/6/2012	3333.39	NM	NM	NA	NA	NM	NM
RW-8	8/7/2012	3333.39	NM	NM	NA	NA	NM	NM

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RW-8	2/5/2013	3333.39	NM	NM	NA	NA	NM	NM
RW-8	8/5/2013	3333.39	53.82	NM	NA	NA	3279.57	3279.57
RW-8	2/3/2014	3333.39	53.66	NM	NA	NA	3279.73	3279.73
RW-8	8/5/2014	3333.39	53.98	NM	NA	NA	3279.41	3279.41
RW-8	2/2/2015	3333.39	53.55	NM	NA	NA	3279.84	3279.84
RW-8	8/3/2015	3333.39	53.45	NM	NA	NA	3279.94	3279.94
RW-8	3/29/2016	3333.39	53.37	NM	NA	NA	3280.02	3280.02
RW-8	9/9/2016	3333.39	53.35	NM	NA	NA	3280.04	3280.04
RW-8	4/3/2017	3333.39	53.30	NM	NA	NA	3280.09	3280.09
RW-8	3/12/2018	3333.39	53.04	NM	NA	NA	3280.35	3280.35
RW-8	9/24/2018	3333.39	NM	NM	NA	NA	NM	NM
RW-8	4/1/2019	3333.39	52.92	NM	NA	NA	3280.47	3280.47
RW-8	3/16/2020	3333.39	52.92	NM	NA	NA	3280.47	3280.47
RW-8	3/18/2021	3333.39	52.37	NM	NA	NA	3281.02	3281.02
RW-8	9/20/2021	3333.39	52.30	NM	NA	NA	3281.09	3281.09
RW-8	2/22/2022	3333.39	49.70	NM	NA	NA	3283.69	3283.69
TMW-1	2/10/2009	3337.7	54.61	NM	NA	NA	3283.09	3283.09
TMW-1	8/4/2009	3337.7	54.61	NM	NA	NA	3283.09	3283.09
TMW-1	2/2/2010	3337.7	54.69	NM	NA	NA	3283.01	3283.01
TMW-1	8/2/2010	3337.7	54.77	NM	NA	NA	3282.93	3282.93
TMW-1	4/4/2011	3337.7	54.56	NM	NA	NA	3283.14	3283.14
TMW-1	8/8/2011	3337.7	54.50	NM	NA	NA	3283.20	3283.20
TMW-1	2/6/2012	3337.7	54.48	NM	NA	NA	3283.22	3283.22
TMW-1	8/6/2012	3337.7	54.44	NM	NA	NA	3283.26	3283.26
TMW-1	2/5/2013	3337.7	54.42	NM	NA	NA	3283.28	3283.28
TMW-1	8/5/2013	3337.7	54.57	NM	NA	NA	3283.13	3283.13
TMW-1	2/3/2014	3337.7	54.38	NM	NA	NA	3283.32	3283.32
TMW-1	8/5/2014	3337.7	54.41	NM	NA	NA	3283.29	3283.29
TMW-1	2/2/2015	3337.7	54.05	NM	NA	NA	3283.65	3283.65
TMW-1	8/3/2015	3337.7	54.01	NM	NA	NA	3283.69	3283.69
TMW-1	3/29/2016	3337.7	53.79	NM	NA	NA	3283.91	3283.91
TMW-1	9/12/2016	3337.7	53.71	NM	NA	NA	3283.99	3283.99
TMW-1	4/3/2017	3337.7	53.66	NM	NA	NA	3284.04	3284.04
TMW-1	9/12/2017	3337.7	53.61	NM	NA	NA	3284.09	3284.09
TMW-1	3/15/2018	3337.7	52.53	NM	NA	NA	3285.17	3285.17
TMW-1	9/24/2018	3337.7	53.47	NM	NA	NA	3284.23	3284.23
TMW-1	4/1/2019	3337.7	54.52	NM	NA	NA	3283.18	3283.18
TMW-1	10/1/2019	3337.7	53.65	NM	NA	NA	3284.05	3284.05
TMW-1	3/16/2020	3337.7	53.57	NM	NA	NA	3284.13	3284.13
TMW-1	3/17/2021	3337.7	53.54	NM	NA	NA	3284.16	3284.16
TMW-1	9/29/2021	3337.7	53.43	NM	NA	NA	3284.27	3284.27
TMW-1	2/22/2022	3337.7	53.76	NM	NA	NA	3283.94	3283.94
TMW-2	2/18/2009	3338.3	55.95	55.11	0.84	0.82	3282.35	3283.04
TMW-2	3/18/2009	3338.3	56.08	55.18	0.9	0.82	3282.22	3282.96
TMW-2	8/5/2009	3338.3	56.15	55.20	0.95	0.82	3282.15	3282.93
TMW-2	2/2/2010	3338.3	56.59	55.25	1.34	0.82	3281.71	3282.81
TMW-2	8/2/2010	3338.3	56.67	55.22	1.45	0.82	3281.63	3282.82
TMW-2	4/4/2011	3338.3	56.65	55.06	1.59	0.82	3281.65	3282.95
TMW-2	8/8/2011	3338.3	56.64	55.00	1.64	0.82	3281.66	3283.00
TMW-2	2/6/2012	3338.3	56.70	54.96	1.74	0.82	3281.60	3283.03
TMW-2	8/6/2012	3338.3	56.12	54.93	1.19	0.82	3282.18	3283.16
TMW-2	2/5/2013	3338.3	56.81	54.90	1.91	0.82	3281.49	3283.06
TMW-2	8/5/2013	3338.3	56.97	56.04	0.93	0.82	3281.33	3282.09
TMW-2	2/3/2014	3338.3	56.77	54.84	1.93	0.82	3281.53	3283.11
TMW-2	8/5/2014	3338.3	56.93	54.88	2.05	0.82	3281.37	3283.05
TMW-2	2/2/2015	3338.3	54.90	54.65	0.25	0.82	3283.40	3283.61
TMW-2	8/3/2015	3338.3	54.89	54.60	0.29	0.82	3283.41	3283.65
TMW-2	3/29/2016	3338.3	54.97	54.40	0.57	0.82	3283.33	3283.80
TMW-2	9/13/2016	3338.3	54.78	54.38	0.4	0.82	3283.52	3283.85
TMW-2	4/3/2017	3338.3	54.85	54.27	0.58	0.82	3283.45	3283.93
TMW-2	3/15/2018	3338.3	54.57	54.15	0.42	0.82	3283.73	3284.07
TMW-2	9/24/2018	3338.3	NM	54.15	NA	0.82	NM	NM
TMW-2	4/1/2019	3338.3	54.66	54.16	0.5	0.82	3283.64	3284.05
TMW-2	3/15/2021	3338.3	54.35	54.17	0.18	0.82	3283.95	3284.10
TMW-2	9/29/2021	3338.3	54.69	54.21	0.48	0.82	3283.61	3284.00
TMW-3	2/17/2009	3336.67	53.77	NM	NA	0.82	3282.90	3282.90
TMW-3	8/5/2009	3336.67	53.91	53.90	0.01	0.82	3282.76	3282.77
TMW-3	2/2/2010	3336.67	54.01	NM	NA	0.82	3282.66	3282.66
TMW-3	8/2/2010	3336.67	53.97	NM	NA	0.82	3282.70	3282.70
TMW-3	4/4/2011	3336.67	53.78	NM	NA	0.82	3282.89	3282.89
TMW-3	8/8/2011	3336.67	53.70	NM	NA	0.82	3282.97	3282.97
TMW-3	2/6/2012	3336.67	53.77	NM	NA	0.82	3282.90	3282.90
TMW-3	8/7/2012	3336.67	53.72	NM	NA	0.82	3282.95	3282.95
TMW-3	2/5/2013	3336.67	53.72	NM	NA	0.82	3282.95	3282.95
TMW-3	8/5/2013	3336.67	53.60	NM	NA	0.82	3283.07	3283.07
TMW-3	2/3/2014	3336.67	53.61	NM	NA	0.82	3283.06	3283.06

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet btoc)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	LNAPL Specific Gravity	Uncorrected Groundwater Elevation (feet amsl)	Corrected Groundwater Elevation (feet amsl)[1]
TMW-3	8/5/2014	3336.67	53.68	NM	NA	0.82	3282.99	3282.99
TMW-3	2/2/2015	3336.67	53.28	NM	NA	0.82	3283.39	3283.39
TMW-3	8/3/2015	3336.67	53.14	NM	NA	0.82	3283.53	3283.53
TMW-3	3/29/2016	3336.67	52.92	NM	NA	0.82	3283.75	3283.75
TMW-3	9/12/2016	3336.67	52.94	NM	NA	0.82	3283.73	3283.73
TMW-3	4/3/2017	3336.67	52.79	NM	NA	0.82	3283.88	3283.88
TMW-3	3/13/2018	3336.67	52.75	NM	NA	0.82	3283.92	3283.92

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Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet btoc)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	LNAPL Specific Gravity	Uncorrected Groundwater Elevation (feet amsl)	Corrected Groundwater Elevation (feet amsl)[1]
TMW-3	9/24/2018	3336.67	NM	NM	NA	0.82	NM	NM
TMW-3	3/16/2020	3336.67	52.75	NM	NA	NA	3283.92	3283.92
TMW-3	3/16/2021	3336.67	52.71	NM	NA	NA	3283.96	3283.96
TMW-3	9/29/2021	3336.67	52.61	NM	NA	NA	3284.06	3284.06
TMW-5	2/18/2009	3335.66	53.50	NM	NA	NA	3282.16	3282.16
TMW-5	8/4/2009	3335.66	53.51	NM	NA	NA	3282.15	3282.15
TMW-5	2/2/2010	3335.66	53.79	NM	NA	NA	3281.87	3281.87
TMW-5	8/2/2010	3335.66	53.81	NM	NA	NA	3281.85	3281.85
TMW-5	4/4/2011	3335.66	53.32	NM	NA	NA	3282.34	3282.34
TMW-5	8/8/2011	3335.66	NM	NM	NA	NA	NM	NM
TMW-5	2/6/2012	3335.66	NM	NM	NA	NA	NM	NM
TMW-5	8/7/2012	3335.66	NM	NM	NA	NA	NM	NM
TMW-5	2/5/2013	3335.66	NM	NM	NA	NA	NM	NM
TMW-5	2/3/2014	3335.66	NM	NM	NA	NA	NM	NM
TMW-5	8/5/2014	3335.66	NM	NM	NA	NA	NM	NM
TMW-5	3/29/2016	3335.66	NM	NM	NA	NA	NM	NM
TMW-6	2/17/2009	3335.36	52.36	NM	NA	NA	3283.00	3283.00
TMW-6	8/4/2009	3335.36	52.46	NM	NA	NA	3282.90	3282.90
TMW-6	2/2/2010	3335.36	52.59	NM	NA	NA	3282.77	3282.77
TMW-6	8/2/2010	3335.36	NM	NM	NA	NA	NM	NM
TMW-6	4/4/2011	3335.36	52.40	NM	NA	NA	3282.96	3282.96
TMW-6	8/8/2011	3335.36	52.35	NM	NA	NA	3283.01	3283.01
TMW-6	2/6/2012	3335.36	52.40	NM	NA	NA	3282.96	3282.96
TMW-6	8/7/2012	3335.36	52.36	NM	NA	NA	3283.00	3283.00
TMW-6	2/5/2013	3335.36	52.35	NM	NA	NA	3283.01	3283.01
TMW-6	8/5/2013	3335.36	52.25	NM	NA	NA	3283.11	3283.11
TMW-6	2/3/2014	3335.36	52.23	NM	NA	NA	3283.13	3283.13
TMW-6	8/5/2014	3335.36	52.27	NM	NA	NA	3283.09	3283.09
TMW-6	2/2/2015	3335.36	51.95	NM	NA	NA	3283.41	3283.41
TMW-6	8/3/2015	3335.36	51.80	NM	NA	NA	3283.56	3283.56
TMW-6	3/29/2016	3335.36	51.55	NM	NA	NA	3283.81	3283.81
TMW-6	9/12/2016	3335.36	51.53	NM	NA	NA	3283.83	3283.83
TMW-6	4/3/2017	3335.36	51.43	NM	NA	NA	3283.93	3283.93
TMW-6	9/12/2017	3335.36	51.37	NM	NA	NA	3283.99	3283.99
TMW-6	3/13/2018	3335.36	51.41	NM	NA	NA	3283.95	3283.95
TMW-6	9/24/2018	3335.36	51.50	NM	NA	NA	3283.86	3283.86
TMW-6	4/1/2019	3335.36	51.35	NM	NA	NA	3284.01	3284.01
TMW-6	10/1/2019	3335.36	54.48	NM	NA	NA	3280.88	3280.88
TMW-6	3/16/2020	3335.36	51.41	NM	NA	NA	3283.95	3283.95
TMW-6	3/19/2021	3335.36	50.37	NM	NA	NA	3284.99	3284.99
TMW-6	9/29/2021	3335.36	51.25	NM	NA	NA	3284.11	3284.11
TMW-6	2/22/2022	3335.36	51.56	NM	NA	NA	3283.80	3283.80
WW-1	2/2/2009	3332.04	NM	NM	NA	NA	NM	NM
WW-1	8/17/2009	3332.04	NM	NM	NA	NA	NM	NM
WW-1	8/2/2010	3332.04	NM	NM	NA	NA	NM	NM
WW-1	4/11/2011	3332.04	NM	NM	NA	NA	NM	NM
WW-1	8/8/2011	3332.04	NM	NM	NA	NA	NM	NM
WW-1	2/6/2012	3332.04	NM	NM	NA	NA	NM	NM
WW-1	3/28/2016	3332.04	NM	NM	NA	NA	NM	NM
WW-2	2/2/2009	3331.46	49.91	NM	NA	NA	3281.55	3281.55
WW-2	8/17/2009	3331.46	NM	NM	NA	NA	NM	NM
WW-2	2/2/2010	3331.46	NM	NM	NA	NA	NM	NM
WW-2	8/2/2010	3331.46	NM	NM	NA	NA	NM	NM
WW-2	4/11/2011	3331.46	NM	NM	NA	NA	NM	NM
WW-2	8/8/2011	3331.46	NM	NM	NA	NA	NM	NM
WW-2	2/6/2012	3331.46	NM	NM	NA	NA	NM	NM
WW-2	3/29/2016	3331.46	49.20	NM	NA	NA	3282.26	3282.26
WW-2	9/6/2016	3331.46	49.20	NM	NA	NA	3282.26	3282.26
WW-2	4/3/2017	3331.46	49.10	NM	NA	NA	3282.36	3282.36
WW-2	3/12/2018	3331.46	49.07	NM	NA	NA	3282.39	3282.39
WW-2	9/24/2018	3331.46	NM	NM	NA	NA	NM	NM
WW-2	4/4/2019	3331.46	49.14	NM	NA	NA	3282.32	3282.32
WW-2	3/17/2020	3331.46	49.24	NM	NA	NA	3282.22	3282.22
WW-2	3/16/2021	3331.46	49.22	NM	NA	NA	3282.24	3282.24
WW-2	9/20/2021	3331.46	49.14	NM	NA	NA	3282.32	3282.32
WW-2	2/22/2022	3331.46	49.46	NM	NA	NA	3282.00	3282.00
WW-3	2/2/2009	3334.45	52.69	NM	NA	NA	3281.76	3281.76
WW-3	8/17/2009	3334.45	NM	NM	NA	NA	NM	NM
WW-3	2/2/2010	3334.45	NM	NM	NA	NA	NM	NM
WW-3	8/2/2010	3334.45	NM	NM	NA	NA	NM	NM
WW-3	4/11/2011	3334.45	NM	NM	NA	NA	NM	NM
WW-3	8/8/2011	3334.45	NM	NM	NA	NA	NM	NM
WW-3	2/6/2012	3334.45	NM	NM	NA	NA	NM	NM
WW-3	3/28/2016	3334.45	NM	NM	NA	NA	NM	NM
WW-3	4/4/2017	3334.45	52.08	NM	NA	NA	3282.37	3282.37
WW-4	2/3/2009	3335.4	55.95	NM	NA	NA	3279.45	3279.45

Appendix C
Historical Groundwater Elevations
2022 Annual Groundwater Monitoring Report
Former Eunice South Gas Plant
Eunice, Lea County, New Mexico

ARCADIS Design & Consultancy for natural and built assets

Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet btoc)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	LNAPL Specific Gravity	Uncorrected Groundwater Elevation (feet amsl)	Corrected Groundwater Elevation (feet amsl)[1]
WW-4	2/6/2012	3335.4	NM	NM	NA	NA	NM	NM
WW-4	3/28/2016	3335.4	NM	NM	NA	NA	NM	NM
WW-5	2/3/2009	3334.18	53.30	NM	NA	NA	3280.88	3280.88
WW-5	8/17/2009	3336.4	NM	NM	NA	NA	NM	NM
WW-5	2/2/2010	3334.18	NM	NM	NA	NA	NM	NM
WW-5	8/2/2010	3334.18	NM	NM	NA	NA	NM	NM
WW-5	4/11/2011	3334.18	NM	NM	NA	NA	NM	NM
WW-5	8/8/2011	3334.18	NM	NM	NA	NA	NM	NM
WW-5	2/6/2012	3334.18	NM	NM	NA	NA	NM	NM
WW-5	3/28/2016	3334.18	NM	NM	NA	NA	NM	NM
WW-6	2/3/2009	3329.72	50.30	NM	NA	NA	3279.42	3279.42
WW-6	8/17/2009	3329.72	NM	NM	NA	NA	NM	NM
WW-6	2/2/2010	3337.4	NM	NM	NA	NA	NM	NM
WW-6	8/2/2010	3329.72	NM	NM	NA	NA	NM	NM
WW-6	4/11/2011	3329.72	NM	NM	NA	NA	NM	NM
WW-6	8/8/2011	3329.72	NM	NM	NA	NA	NM	NM
WW-6	2/6/2012	3329.72	NM	NM	NA	NA	NM	NM
WW-6	3/28/2016	3329.72	NM	NM	NA	NA	NM	NM
WW-7	2/2/2009	3331.73	50.95	NM	NA	NA	3280.78	3280.78
WW-7	8/17/2009	3331.73	NM	NM	NA	NA	NM	NM
WW-7	2/2/2010	3338.4	NM	NM	NA	NA	NM	NM
WW-7	8/2/2010	3331.73	NM	NM	NA	NA	NM	NM
WW-7	4/11/2011	3331.73	NM	NM	NA	NA	NM	NM
WW-7	8/8/2011	3331.73	NM	NM	NA	NA	NM	NM
WW-7	2/6/2012	3331.73	NM	NM	NA	NA	NM	NM
WW-7	3/29/2016	3331.73	50.30	NM	NA	NA	3281.43	3281.43
WW-7	9/6/2016	3331.73	50.30	NM	NA	NA	3281.43	3281.43
WW-7	4/3/2017	3331.73	50.30	NM	NA	NA	3281.43	3281.43
WW-7	3/12/2018	3331.73	50.15	NM	NA	NA	3281.58	3281.58
WW-7	9/24/2018	3331.73	NM	NM	NA	NA	NM	NM
WW-7	4/4/2019	3331.73	50.21	NM	NA	NA	3281.52	3281.52
WW-7	3/17/2020	3331.73	50.31	NM	NA	NA	3281.42	3281.42
WW-7	3/16/2021	3331.73	50.28	NM	NA	NA	3281.45	3281.45
WW-7	9/20/2021	3331.73	50.20	NM	NA	NA	3281.53	3281.53
WW-7	2/22/2022	3331.73	50.52	NM	NA	NA	3281.21	3281.21
WW-8	8/2/2010	3339.4	NM	NM	NA	NA	NM	NM
WW-10	8/8/2011	3341.40	NM	NM	NA	NA	NM	NM

Note:

[1] Groundwater elevations corrected using an assumed LNAPL specific gravity ranging from 0.72 to 0.82 based on limited LNAPL characterization conducted during 2017. The formula used to correct groundwater elevation is as follows

$$Corrected\ GW\ Elevation = TOC\ Elevation - (DTW - LNAPL\ Thickness * LNAPL\ Specific\ Gravity)$$

Acronyms and Abbreviations:

amsl = above mean sea level
btoc = below top of casing
DTW = depth to groundwater
GW = groundwater
ID = identification
LNAPL = light nonaqueous phase liquid
NA = not applicable
NM = not measured
TOC = top of casing
* active recovery well

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APPENDIX D

Laboratory Analytical Reports and Data Validation Review

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-11679-1
Client Project/Site: Eunice Project-S. Eunice
Revision: 2

For:
ARCADIS U.S. Inc
1100 Olive Way
Suite 800
Seattle, Washington 98101

Attn: Rebecca Andresen

Authorized for release by:
4/13/2022 2:59:59 PM

John Builes, Project Manager
(561)558-4549
John.Builes@et.eurofinsus.com

LINKS
Review your project results through TotalAccess
Have a Question? Ask The Expert
Visit us at: www.eurofinsus.com/Env

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

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

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Laboratory Job ID: 880-11679-1

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control

Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Job ID: 880-11679-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-11679-1

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 3/10/2022. The report (revision 2) is being revised due to: Revised report to change client sample ID per client request..

Report revision history
Revision 1 - 3/18/2022 - Reason - Revised report to correct client sample IDs per client request..

Receipt
The samples were received on 2/23/2022 4:56 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.2º C.

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 880-20575 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: MW-36-W-220223 (880-11679-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA
Method 8015B NM: Surrogate recovery for the following sample was outside control limits: MWD-8-W-220223 (880-11679-14). Evidence of matrix interferences is not obvious.

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

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

Field Service / Mobile Lab
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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

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

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

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: MW-15-W-220223

Date Collected: 02/23/22 08:32
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-1

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/01/22 09:20	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/01/22 09:20	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/01/22 09:20	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/01/22 09:20	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/01/22 09:20	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/01/22 09:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*		*03/01/22 09:20*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*		*03/01/22 09:20*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/01/22 18:55	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.904	U	4.57	0.904	mg/L			02/28/22 19:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.904	U	4.57	0.904	mg/L		02/25/22 15:02	02/26/22 03:16	1
Diesel Range Organics (Over C10-C28)	<0.904	U	4.57	0.904	mg/L		02/25/22 15:02	02/26/22 03:16	1
Oil Range Organics (Over C28-C36)	<0.872	U	4.57	0.872	mg/L		02/25/22 15:02	02/26/22 03:16	1
Total TPH	<0.904	U	4.57	0.904	mg/L		02/25/22 15:02	02/26/22 03:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*02/25/22 15:02*	*02/26/22 03:16*	*1*
o-Terphenyl	*97*		*70 - 130*	*02/25/22 15:02*	*02/26/22 03:16*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1290**		5.00	2.00	mg/L			03/02/22 20:42	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0149**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 14:28	1
Barium	**0.0816**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 14:28	1
Chromium	**0.00238**	**J**	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 14:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**3240**		40.0	40.0	mg/L			02/27/22 17:42	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/24/22 08:15	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: MW-16-W-220223

Date Collected: 02/23/22 08:31
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-2

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/01/22 09:48	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/01/22 09:48	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/01/22 09:48	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/01/22 09:48	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/01/22 09:48	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/01/22 09:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*		*03/01/22 09:48*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*		*03/01/22 09:48*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/01/22 18:55	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.898	U	4.55	0.898	mg/L			02/28/22 19:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.898	U	4.55	0.898	mg/L		02/25/22 15:02	02/26/22 03:39	1
Diesel Range Organics (Over C10-C28)	<0.898	U	4.55	0.898	mg/L		02/25/22 15:02	02/26/22 03:39	1
Oil Range Organics (Over C28-C36)	<0.867	U	4.55	0.867	mg/L		02/25/22 15:02	02/26/22 03:39	1
Total TPH	<0.898	U	4.55	0.898	mg/L		02/25/22 15:02	02/26/22 03:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*02/25/22 15:02*	*02/26/22 03:39*	*1*
o-Terphenyl	*79*		*70 - 130*	*02/25/22 15:02*	*02/26/22 03:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1830**		5.00	2.00	mg/L			03/02/22 20:54	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0128**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 14:50	1
Barium	**0.0332**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 14:50	1
Chromium	**0.0937**		0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 14:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**4000**		40.0	40.0	mg/L			02/27/22 18:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	**0.0897**		0.0100	0.00273	mg/L			02/24/22 08:15	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: MW-36-W-220223

Date Collected: 02/23/22 10:26
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-3

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/01/22 10:15	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/01/22 10:15	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/01/22 10:15	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/01/22 10:15	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/01/22 10:15	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/01/22 10:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*03/01/22 10:15*	*1*
1,4-Difluorobenzene (Surr)	*59*	*S1-*	*70 - 130*		*03/01/22 10:15*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/01/22 18:55	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.885	U	4.48	0.885	mg/L			02/28/22 19:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.885	U	4.48	0.885	mg/L		02/25/22 15:02	02/26/22 04:03	1
Diesel Range Organics (Over C10-C28)	<0.885	U	4.48	0.885	mg/L		02/25/22 15:02	02/26/22 04:03	1
Oil Range Organics (Over C28-C36)	<0.854	U	4.48	0.854	mg/L		02/25/22 15:02	02/26/22 04:03	1
Total TPH	<0.885	U	4.48	0.885	mg/L		02/25/22 15:02	02/26/22 04:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*02/25/22 15:02*	*02/26/22 04:03*	*1*
o-Terphenyl	*81*		*70 - 130*	*02/25/22 15:02*	*02/26/22 04:03*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**409**		0.500	0.200	mg/L			03/02/22 21:06	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00853**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 14:54	1
Barium	**0.0952**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 14:54	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 14:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1850**		20.0	20.0	mg/L			02/27/22 18:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/24/22 08:15	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: MW-35-W-220223

Date Collected: 02/23/22 11:02
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-4

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/01/22 10:42	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/01/22 10:42	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/01/22 10:42	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/01/22 10:42	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/01/22 10:42	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/01/22 10:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*		*03/01/22 10:42*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*		*03/01/22 10:42*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/01/22 18:55	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.882	U	4.46	0.882	mg/L			02/28/22 19:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.882	U	4.46	0.882	mg/L		02/25/22 15:02	02/26/22 04:25	1
Diesel Range Organics (Over C10-C28)	<0.882	U	4.46	0.882	mg/L		02/25/22 15:02	02/26/22 04:25	1
Oil Range Organics (Over C28-C36)	<0.851	U	4.46	0.851	mg/L		02/25/22 15:02	02/26/22 04:25	1
Total TPH	<0.882	U	4.46	0.882	mg/L		02/25/22 15:02	02/26/22 04:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*02/25/22 15:02*	*02/26/22 04:25*	*1*
o-Terphenyl	*81*		*70 - 130*	*02/25/22 15:02*	*02/26/22 04:25*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**147**		0.500	0.200	mg/L			03/02/22 21:18	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00956**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 14:57	1
Barium	**0.0938**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 14:57	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 14:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**972**		10.0	10.0	mg/L			02/27/22 18:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/24/22 08:15	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: MW-13-W-220223

Date Collected: 02/23/22 11:45
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-5

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/01/22 11:10	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/01/22 11:10	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/01/22 11:10	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/01/22 11:10	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/01/22 11:10	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/01/22 11:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*		*03/01/22 11:10*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*		*03/01/22 11:10*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/01/22 18:55	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.882	U	4.46	0.882	mg/L			02/28/22 19:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.882	U	4.46	0.882	mg/L		02/25/22 15:02	02/26/22 05:10	1
Diesel Range Organics (Over C10-C28)	<0.882	U	4.46	0.882	mg/L		02/25/22 15:02	02/26/22 05:10	1
Oil Range Organics (Over C28-C36)	<0.851	U	4.46	0.851	mg/L		02/25/22 15:02	02/26/22 05:10	1
Total TPH	<0.882	U	4.46	0.882	mg/L		02/25/22 15:02	02/26/22 05:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*02/25/22 15:02*	*02/26/22 05:10*	*1*
o-Terphenyl	*82*		*70 - 130*	*02/25/22 15:02*	*02/26/22 05:10*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**337**		0.500	0.200	mg/L			03/02/22 21:54	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0156**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 15:00	1
Barium	**0.0831**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 15:00	1
Chromium	**0.000589**	**J**	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 15:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1290**		20.0	20.0	mg/L			02/27/22 18:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/24/22 08:15	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: MW-31-W-220223

Date Collected: 02/23/22 12:10
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-6

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/01/22 11:37	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/01/22 11:37	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/01/22 11:37	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/01/22 11:37	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/01/22 11:37	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/01/22 11:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*		*03/01/22 11:37*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*		*03/01/22 11:37*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/01/22 18:55	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.895	U	4.53	0.895	mg/L			02/28/22 19:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.895	U	4.53	0.895	mg/L		02/25/22 15:02	02/26/22 05:31	1
Diesel Range Organics (Over C10-C28)	<0.895	U	4.53	0.895	mg/L		02/25/22 15:02	02/26/22 05:31	1
Oil Range Organics (Over C28-C36)	<0.864	U	4.53	0.864	mg/L		02/25/22 15:02	02/26/22 05:31	1
Total TPH	<0.895	U	4.53	0.895	mg/L		02/25/22 15:02	02/26/22 05:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*69*	*S1-*	*70 - 130*	*02/25/22 15:02*	*02/26/22 05:31*	*1*
o-Terphenyl	*79*		*70 - 130*	*02/25/22 15:02*	*02/26/22 05:31*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**447**		0.500	0.200	mg/L			03/02/22 22:06	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0476**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 15:03	1
Barium	**0.310**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 15:03	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 15:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1660**		20.0	20.0	mg/L			02/27/22 18:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/24/22 08:15	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: MW-37-W-220223

Date Collected: 02/23/22 12:38
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-7

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/01/22 12:01	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/01/22 12:01	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/01/22 12:01	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/01/22 12:01	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/01/22 12:01	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/01/22 12:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*		*03/01/22 12:01*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*		*03/01/22 12:01*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/01/22 18:55	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.895	U	4.53	0.895	mg/L			02/28/22 19:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.895	U	4.53	0.895	mg/L		02/25/22 15:02	02/26/22 05:52	1
Diesel Range Organics (Over C10-C28)	<0.895	U	4.53	0.895	mg/L		02/25/22 15:02	02/26/22 05:52	1
Oil Range Organics (Over C28-C36)	<0.864	U	4.53	0.864	mg/L		02/25/22 15:02	02/26/22 05:52	1
Total TPH	<0.895	U	4.53	0.895	mg/L		02/25/22 15:02	02/26/22 05:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*69*	*S1-*	*70 - 130*	*02/25/22 15:02*	*02/26/22 05:52*	*1*
o-Terphenyl	*79*		*70 - 130*	*02/25/22 15:02*	*02/26/22 05:52*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**336**		0.500	0.200	mg/L			03/02/22 22:18	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0113**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 15:07	1
Barium	**0.536**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 15:07	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 15:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1180**		20.0	20.0	mg/L			02/27/22 18:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/24/22 08:15	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: MW-38-W-220223

Date Collected: 02/23/22 13:12
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-8

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/01/22 13:05	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/01/22 13:05	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/01/22 13:05	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/01/22 13:05	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/01/22 13:05	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/01/22 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*		*03/01/22 13:05*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*		*03/01/22 13:05*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/01/22 18:55	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.898	U	4.55	0.898	mg/L			02/28/22 19:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.898	U	4.55	0.898	mg/L		02/25/22 15:02	02/26/22 06:13	1
Diesel Range Organics (Over C10-C28)	<0.898	U	4.55	0.898	mg/L		02/25/22 15:02	02/26/22 06:13	1
Oil Range Organics (Over C28-C36)	<0.867	U	4.55	0.867	mg/L		02/25/22 15:02	02/26/22 06:13	1
Total TPH	<0.898	U	4.55	0.898	mg/L		02/25/22 15:02	02/26/22 06:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*02/25/22 15:02*	*02/26/22 06:13*	*1*
o-Terphenyl	*82*		*70 - 130*	*02/25/22 15:02*	*02/26/22 06:13*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**807**		5.00	2.00	mg/L			03/02/22 22:30	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00704**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 15:10	1
Barium	**0.0653**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 15:10	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 15:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**2320**		40.0	40.0	mg/L			02/27/22 18:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/24/22 08:15	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: DUP0I-W-220223

Date Collected: 02/23/22 00:00
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-9

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/01/22 17:10	1
Toluene	**0.000403**	**J**	0.00200	0.000367	mg/L			03/01/22 17:10	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/01/22 17:10	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/01/22 17:10	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/01/22 17:10	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/01/22 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*144*	*S1+*	*70 - 130*		*03/01/22 17:10*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*		*03/01/22 17:10*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/01/22 18:55	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.887	U	4.49	0.887	mg/L			02/28/22 19:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.887	U	4.49	0.887	mg/L		02/25/22 15:02	02/26/22 06:33	1
Diesel Range Organics (Over C10-C28)	<0.887	U	4.49	0.887	mg/L		02/25/22 15:02	02/26/22 06:33	1
Oil Range Organics (Over C28-C36)	<0.856	U	4.49	0.856	mg/L		02/25/22 15:02	02/26/22 06:33	1
Total TPH	<0.887	U	4.49	0.887	mg/L		02/25/22 15:02	02/26/22 06:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*69*	*S1-*	*70 - 130*	*02/25/22 15:02*	*02/26/22 06:33*	*1*
o-Terphenyl	*79*		*70 - 130*	*02/25/22 15:02*	*02/26/22 06:33*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1220**		5.00	2.00	mg/L			03/03/22 13:30	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0136**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 15:13	1
Barium	**0.0760**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 15:13	1
Chromium	**0.00231**	**J**	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 15:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**2960**		40.0	40.0	mg/L			02/27/22 18:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U H	0.0100	0.00273	mg/L			02/24/22 08:15	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: MW-3-W-220223

Date Collected: 02/23/22 08:35
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-10

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/03/22 00:03	1
Toluene	**0.000689**	**J**	0.00200	0.000367	mg/L			03/03/22 00:03	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/03/22 00:03	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 00:03	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 00:03	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 00:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*03/03/22 00:03*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*		*03/03/22 00:03*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.000689**	**J**	0.00400	0.000657	mg/L			03/01/22 18:55	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.887	U	4.49	0.887	mg/L			02/28/22 19:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.887	U	4.49	0.887	mg/L		02/25/22 15:02	02/26/22 06:54	1
Diesel Range Organics (Over C10-C28)	<0.887	U	4.49	0.887	mg/L		02/25/22 15:02	02/26/22 06:54	1
Oil Range Organics (Over C28-C36)	<0.856	U	4.49	0.856	mg/L		02/25/22 15:02	02/26/22 06:54	1
Total TPH	<0.887	U	4.49	0.887	mg/L		02/25/22 15:02	02/26/22 06:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*02/25/22 15:02*	*02/26/22 06:54*	*1*
o-Terphenyl	*92*		*70 - 130*	*02/25/22 15:02*	*02/26/22 06:54*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**86.0**		0.500	0.200	mg/L			03/02/22 22:54	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0163**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 15:16	1
Barium	**0.0479**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 15:16	1
Chromium	**0.000605**	**J**	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 15:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**816**		10.0	10.0	mg/L			02/27/22 18:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/24/22 08:15	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: TMW-1-W-220223

Date Collected: 02/23/22 10:25
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-11

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00177**	**J**	0.00200	0.000408	mg/L			03/03/22 00:23	1
Toluene	**0.000554**	**J**	0.00200	0.000367	mg/L			03/03/22 00:23	1
Ethylbenzene	**0.00163**	**J**	0.00200	0.000657	mg/L			03/03/22 00:23	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 00:23	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 00:23	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 00:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*03/03/22 00:23*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*		*03/03/22 00:23*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00395**	**J**	0.00400	0.000657	mg/L			03/01/22 18:55	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.885	U	4.48	0.885	mg/L			02/28/22 19:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.885	U	4.48	0.885	mg/L		02/25/22 15:02	02/26/22 07:16	1
Diesel Range Organics (Over C10-C28)	<0.885	U	4.48	0.885	mg/L		02/25/22 15:02	02/26/22 07:16	1
Oil Range Organics (Over C28-C36)	<0.854	U	4.48	0.854	mg/L		02/25/22 15:02	02/26/22 07:16	1
Total TPH	<0.885	U	4.48	0.885	mg/L		02/25/22 15:02	02/26/22 07:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*02/25/22 15:02*	*02/26/22 07:16*	*1*
o-Terphenyl	*86*		*70 - 130*	*02/25/22 15:02*	*02/26/22 07:16*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**477**		0.500	0.200	mg/L			03/02/22 23:06	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0248**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 15:19	1
Barium	**0.912**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 15:19	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 15:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1340**		20.0	20.0	mg/L			02/27/22 18:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/24/22 09:30	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: DUP02-W-220223

Date Collected: 02/23/22 00:00
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-12

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/03/22 00:43	1
Toluene	**0.000509**	**J**	0.00200	0.000367	mg/L			03/03/22 00:43	1
Ethylbenzene	**0.00165**	**J**	0.00200	0.000657	mg/L			03/03/22 00:43	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 00:43	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 00:43	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 00:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*		*03/03/22 00:43*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*		*03/03/22 00:43*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00216**	**J**	0.00400	0.000657	mg/L			03/01/22 18:55	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.885	U	4.48	0.885	mg/L			02/28/22 19:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.885	U	4.48	0.885	mg/L		02/25/22 15:02	02/26/22 07:37	1
Diesel Range Organics (Over C10-C28)	<0.885	U	4.48	0.885	mg/L		02/25/22 15:02	02/26/22 07:37	1
Oil Range Organics (Over C28-C36)	<0.854	U	4.48	0.854	mg/L		02/25/22 15:02	02/26/22 07:37	1
Total TPH	<0.885	U	4.48	0.885	mg/L		02/25/22 15:02	02/26/22 07:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*02/25/22 15:02*	*02/26/22 07:37*	*1*
o-Terphenyl	*87*		*70 - 130*	*02/25/22 15:02*	*02/26/22 07:37*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**474**		0.500	0.200	mg/L			03/02/22 23:18	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0252**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 15:29	1
Barium	**0.918**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 15:29	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 15:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1450**		20.0	20.0	mg/L			02/27/22 18:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U H	0.0100	0.00273	mg/L			02/24/22 09:30	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: MWD-11-W-220223

Lab Sample ID: 880-11679-13
Matrix: Water
Date Collected: 02/23/22 11:24
Date Received: 02/23/22 16:56

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/03/22 01:04	1
Toluene	**0.000460**	**J**	0.00200	0.000367	mg/L			03/03/22 01:04	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/03/22 01:04	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 01:04	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 01:04	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 01:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*03/03/22 01:04*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*		*03/03/22 01:04*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/01/22 18:55	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.880	U	4.45	0.880	mg/L			02/28/22 19:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.880	U	4.45	0.880	mg/L		02/25/22 15:02	02/26/22 07:59	1
Diesel Range Organics (Over C10-C28)	<0.880	U	4.45	0.880	mg/L		02/25/22 15:02	02/26/22 07:59	1
Oil Range Organics (Over C28-C36)	<0.849	U	4.45	0.849	mg/L		02/25/22 15:02	02/26/22 07:59	1
Total TPH	<0.880	U	4.45	0.880	mg/L		02/25/22 15:02	02/26/22 07:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*69*	*S1-*	*70 - 130*	*02/25/22 15:02*	*02/26/22 07:59*	*1*
o-Terphenyl	*77*		*70 - 130*	*02/25/22 15:02*	*02/26/22 07:59*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**126**		0.500	0.200	mg/L			03/02/22 23:30	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0159**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 15:32	1
Barium	**0.0564**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 15:32	1
Chromium	**0.000804**	**J**	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 15:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**979**		10.0	10.0	mg/L			02/27/22 18:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/24/22 09:30	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: MWD-8-W-220223

Date Collected: 02/23/22 12:30
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-14

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/03/22 01:24	1
Toluene	**0.000438**	**J**	0.00200	0.000367	mg/L			03/03/22 01:24	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/03/22 01:24	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 01:24	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 01:24	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 01:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*03/03/22 01:24*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*		*03/03/22 01:24*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/01/22 18:55	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.887	U	4.49	0.887	mg/L			02/28/22 19:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.887	U F1	4.49	0.887	mg/L		02/28/22 14:50	03/01/22 20:51	1
Diesel Range Organics (Over C10-C28)	<0.887	U F1	4.49	0.887	mg/L		02/28/22 14:50	03/01/22 20:51	1
Oil Range Organics (Over C28-C36)	<0.856	U	4.49	0.856	mg/L		02/28/22 14:50	03/01/22 20:51	1
Total TPH	<0.887	U	4.49	0.887	mg/L		02/28/22 14:50	03/01/22 20:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*158*	*S1+*	*70 - 130*	*02/28/22 14:50*	*03/01/22 20:51*	*1*
o-Terphenyl	*173*	*S1+*	*70 - 130*	*02/28/22 14:50*	*03/01/22 20:51*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**116**		0.500	0.200	mg/L			03/04/22 01:08	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0234**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 15:35	1
Barium	**0.0345**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 15:35	1
Chromium	**0.00159**	**J**	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 15:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**646**		10.0	10.0	mg/L			02/27/22 18:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/24/22 09:30	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: MWD-2-W-220223

Date Collected: 02/23/22 13:10
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-15

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/03/22 01:45	1
Toluene	**0.000428**	**J**	0.00200	0.000367	mg/L			03/03/22 01:45	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/03/22 01:45	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 01:45	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 01:45	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 01:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*03/03/22 01:45*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*		*03/03/22 01:45*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/01/22 18:55	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.893	U	4.52	0.893	mg/L			02/28/22 19:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.893	U	4.52	0.893	mg/L		02/28/22 14:50	03/01/22 21:55	1
Diesel Range Organics (Over C10-C28)	<0.893	U	4.52	0.893	mg/L		02/28/22 14:50	03/01/22 21:55	1
Oil Range Organics (Over C28-C36)	<0.862	U	4.52	0.862	mg/L		02/28/22 14:50	03/01/22 21:55	1
Total TPH	<0.893	U	4.52	0.893	mg/L		02/28/22 14:50	03/01/22 21:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*02/28/22 14:50*	*03/01/22 21:55*	*1*
o-Terphenyl	*114*		*70 - 130*	*02/28/22 14:50*	*03/01/22 21:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**720**		5.00	2.00	mg/L			03/04/22 01:20	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0113**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 15:39	1
Barium	**0.0417**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 15:39	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 15:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**2480**		40.0	40.0	mg/L			02/27/22 18:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/24/22 09:30	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: MW-4-W-220223

Date Collected: 02/23/22 13:45
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-16

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/03/22 02:05	1
Toluene	**0.000559**	**J**	0.00200	0.000367	mg/L			03/03/22 02:05	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/03/22 02:05	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 02:05	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 02:05	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 02:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*03/03/22 02:05*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*		*03/03/22 02:05*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/01/22 18:55	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.898	U	4.55	0.898	mg/L			02/28/22 19:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.898	U	4.55	0.898	mg/L		02/28/22 14:50	03/01/22 22:17	1
Diesel Range Organics (Over C10-C28)	<0.898	U	4.55	0.898	mg/L		02/28/22 14:50	03/01/22 22:17	1
Oil Range Organics (Over C28-C36)	<0.867	U	4.55	0.867	mg/L		02/28/22 14:50	03/01/22 22:17	1
Total TPH	<0.898	U	4.55	0.898	mg/L		02/28/22 14:50	03/01/22 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*02/28/22 14:50*	*03/01/22 22:17*	*1*
o-Terphenyl	*100*		*70 - 130*	*02/28/22 14:50*	*03/01/22 22:17*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1710**		5.00	2.00	mg/L			03/04/22 01:31	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00982**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 15:42	1
Barium	**0.0808**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 15:42	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 15:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**4060**		40.0	40.0	mg/L			02/27/22 18:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/24/22 09:30	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: RW-8-W-220223

Date Collected: 02/23/22 14:18
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-17

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/03/22 02:25	1
Toluene	**0.000435**	**J**	0.00200	0.000367	mg/L			03/03/22 02:25	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/03/22 02:25	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 02:25	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 02:25	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 02:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*03/03/22 02:25*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*		*03/03/22 02:25*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/01/22 18:55	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.880	U	4.45	0.880	mg/L			02/28/22 19:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.880	U	4.45	0.880	mg/L		02/28/22 14:50	03/01/22 22:39	1
Diesel Range Organics (Over C10-C28)	<0.880	U	4.45	0.880	mg/L		02/28/22 14:50	03/01/22 22:39	1
Oil Range Organics (Over C28-C36)	<0.849	U	4.45	0.849	mg/L		02/28/22 14:50	03/01/22 22:39	1
Total TPH	<0.880	U	4.45	0.880	mg/L		02/28/22 14:50	03/01/22 22:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*02/28/22 14:50*	*03/01/22 22:39*	*1*
o-Terphenyl	*100*		*70 - 130*	*02/28/22 14:50*	*03/01/22 22:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1240**		5.00	2.00	mg/L			03/04/22 01:43	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0945**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 15:45	1
Barium	**0.180**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 15:45	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 15:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**3340**		40.0	40.0	mg/L			02/27/22 18:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/24/22 09:30	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-11679-1	MW-15-W-220223	117	87
880-11679-2	MW-16-W-220223	118	108
880-11679-3	MW-36-W-220223	103	59 S1-
880-11679-4	MW-35-W-220223	115	87
880-11679-5	MW-13-W-220223	115	92
880-11679-6	MW-31-W-220223	111	104
880-11679-7	MW-37-W-220223	118	106
880-11679-8	MW-38-W-220223	121	93
880-11679-9	DUP0I-W-220223	144 S1+	110
880-11679-10	MW-3-W-220223	105	102
880-11679-10 MS	MW-3-W-220223	99	103
880-11679-10 MSD	MW-3-W-220223	94	100
880-11679-11	TMW-1-W-220223	105	103
880-11679-12	DUP02-W-220223	109	104
880-11679-13	MWD-11-W-220223	102	101
880-11679-14	MWD-8-W-220223	108	102
880-11679-15	MWD-2-W-220223	106	102
880-11679-16	MW-4-W-220223	107	102
880-11679-17	RW-8-W-220223	105	101
LCS 880-20575/3	Lab Control Sample	97	81
LCS 880-20657/34	Lab Control Sample	96	102
LCSD 880-20575/4	Lab Control Sample Dup	102	109
LCSD 880-20657/35	Lab Control Sample Dup	99	104
MB 880-20437/5-A	Method Blank	97	99
MB 880-20575/8	Method Blank	82	81
MB 880-20657/64	Method Blank	101	98

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-11679-1	MW-15-W-220223	86	97
880-11679-2	MW-16-W-220223	73	79
880-11679-3	MW-36-W-220223	74	81
880-11679-4	MW-35-W-220223	73	81
880-11679-5	MW-13-W-220223	72	82
880-11679-6	MW-31-W-220223	69 S1-	79
880-11679-7	MW-37-W-220223	69 S1-	79
880-11679-8	MW-38-W-220223	72	82
880-11679-9	DUP0I-W-220223	69 S1-	79
880-11679-10	MW-3-W-220223	82	92
880-11679-11	TMW-1-W-220223	76	86
880-11679-12	DUP02-W-220223	77	87
880-11679-13	MWD-11-W-220223	69 S1-	77

Surrogate Summary

Client: ARCADIS U.S. Inc
Job ID: 880-11679-1
Project/Site: Eunice Project-S. Eunice

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-11679-14	MWD-8-W-220223	158 S1+	173 S1+
880-11679-14 MS	MWD-8-W-220223	89	81
880-11679-14 MSD	MWD-8-W-220223	87	79
880-11679-15	MWD-2-W-220223	112	114
880-11679-16	MW-4-W-220223	96	100
880-11679-17	RW-8-W-220223	98	100
LCS 880-20159/2-A	Lab Control Sample	110	110
LCS 880-20527/2-A	Lab Control Sample	106	94
LCSD 880-20159/3-A	Lab Control Sample Dup	114	117
LCSD 880-20527/3-A	Lab Control Sample Dup	103	97
MB 880-20159/1-A	Method Blank	97	114
MB 880-20527/1-A	Method Blank	121	128

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-20437/5-A
Matrix: Water
Analysis Batch: 20657

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20437

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L		03/02/22 08:00	03/02/22 10:49	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L		03/02/22 08:00	03/02/22 10:49	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L		03/02/22 08:00	03/02/22 10:49	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L		03/02/22 08:00	03/02/22 10:49	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L		03/02/22 08:00	03/02/22 10:49	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L		03/02/22 08:00	03/02/22 10:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/02/22 08:00*	*03/02/22 10:49*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*03/02/22 08:00*	*03/02/22 10:49*	*1*

Lab Sample ID: MB 880-20575/8
Matrix: Water
Analysis Batch: 20575

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/01/22 04:23	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/01/22 04:23	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/01/22 04:23	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/01/22 04:23	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/01/22 04:23	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/01/22 04:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*		*03/01/22 04:23*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*		*03/01/22 04:23*	*1*

Lab Sample ID: LCS 880-20575/3
Matrix: Water
Analysis Batch: 20575

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08604		mg/L		86	70 - 130
Toluene	0.100	0.08462		mg/L		85	70 - 130
Ethylbenzene	0.100	0.07976		mg/L		80	70 - 130
m-Xylene & p-Xylene	0.200	0.1757		mg/L		88	70 - 130
o-Xylene	0.100	0.09567		mg/L		96	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*

Lab Sample ID: LCSD 880-20575/4
Matrix: Water
Analysis Batch: 20575

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08642		mg/L		86	70 - 130	0	20

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

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

Lab Sample ID: LCSD 880-20575/4
Matrix: Water
Analysis Batch: 20575

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.08254		mg/L		83	70 - 130	2	20
Ethylbenzene			0.100	0.08481		mg/L		85	70 - 130	6	20
m-Xylene & p-Xylene			0.200	0.1762		mg/L		88	70 - 130	0	20
o-Xylene			0.100	0.09197		mg/L		92	70 - 130	4	20

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

Lab Sample ID: MB 880-20657/64
Matrix: Water
Analysis Batch: 20657

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/02/22 23:34	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/02/22 23:34	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/02/22 23:34	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/02/22 23:34	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/02/22 23:34	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/02/22 23:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*03/02/22 23:34*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*		*03/02/22 23:34*	*1*

Lab Sample ID: LCS 880-20657/34
Matrix: Water
Analysis Batch: 20657

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene			0.100	0.09931		mg/L		99	70 - 130
Toluene			0.100	0.09064		mg/L		91	70 - 130
Ethylbenzene			0.100	0.09039		mg/L		90	70 - 130
m-Xylene & p-Xylene			0.200	0.2089		mg/L		104	70 - 130
o-Xylene			0.100	0.1045		mg/L		105	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-20657/35
Matrix: Water
Analysis Batch: 20657

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1045		mg/L		104	70 - 130	5	20
Toluene			0.100	0.09490		mg/L		95	70 - 130	5	20
Ethylbenzene			0.100	0.09416		mg/L		94	70 - 130	4	20

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

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

Lab Sample ID: LCSD 880-20657/35
Matrix: Water
Analysis Batch: 20657

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene			0.200	0.2166		mg/L		108	70 - 130	4	20
o-Xylene			0.100	0.1086		mg/L		109	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 880-11679-10 MS
Matrix: Water
Analysis Batch: 20657

Client Sample ID: MW-3-W-220223
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.000408	U	0.100	0.09940		mg/L		99	70 - 130
Toluene	0.000689	J	0.100	0.09140		mg/L		91	70 - 130
Ethylbenzene	<0.000657	U	0.100	0.09255		mg/L		93	70 - 130
m-Xylene & p-Xylene	<0.000629	U	0.200	0.2136		mg/L		107	70 - 130
o-Xylene	<0.000642	U	0.100	0.1061		mg/L		106	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-11679-10 MSD
Matrix: Water
Analysis Batch: 20657

Client Sample ID: MW-3-W-220223
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.000408	U	0.100	0.09576		mg/L		96	70 - 130	4	25
Toluene	0.000689	J	0.100	0.08821		mg/L		88	70 - 130	4	25
Ethylbenzene	<0.000657	U	0.100	0.08868		mg/L		89	70 - 130	4	25
m-Xylene & p-Xylene	<0.000629	U	0.200	0.2039		mg/L		102	70 - 130	5	25
o-Xylene	<0.000642	U	0.100	0.1007		mg/L		101	70 - 130	5	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-20159/1-A
Matrix: Water
Analysis Batch: 20310

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20159

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.904	U	4.57	0.904	mg/L		02/23/22 15:02	02/25/22 23:05	1
Diesel Range Organics (Over C10-C28)	<0.904	U	4.57	0.904	mg/L		02/23/22 15:02	02/25/22 23:05	1
Oil Range Organics (Over C28-C36)	<0.872	U	4.57	0.872	mg/L		02/23/22 15:02	02/25/22 23:05	1

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-20159/1-A
Matrix: Water
Analysis Batch: 20310

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20159

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.904	U	4.57	0.904	mg/L		02/23/22 15:02	02/25/22 23:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*02/23/22 15:02*	*02/25/22 23:05*	*1*
o-Terphenyl	*114*		*70 - 130*	*02/23/22 15:02*	*02/25/22 23:05*	*1*

Lab Sample ID: LCS 880-20159/2-A
Matrix: Water
Analysis Batch: 20310

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20159

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	91.7	86.14		mg/L		94	75 - 125
Diesel Range Organics (Over C10-C28)	91.7	95.60		mg/L		104	75 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*110*		*70 - 130*
o-Terphenyl	*110*		*70 - 130*

Lab Sample ID: LCSD 880-20159/3-A
Matrix: Water
Analysis Batch: 20310

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 20159

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	92.0	90.90		mg/L		99	75 - 125	5	20
Diesel Range Organics (Over C10-C28)	92.0	103.7		mg/L		113	75 - 125	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*114*		*70 - 130*
o-Terphenyl	*117*		*70 - 130*

Lab Sample ID: MB 880-20527/1-A
Matrix: Water
Analysis Batch: 20580

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20527

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.904	U	4.57	0.904	mg/L		02/28/22 14:50	03/01/22 19:50	1
Diesel Range Organics (Over C10-C28)	<0.904	U	4.57	0.904	mg/L		02/28/22 14:50	03/01/22 19:50	1
Oil Range Organics (Over C28-C36)	<0.872	U	4.57	0.872	mg/L		02/28/22 14:50	03/01/22 19:50	1
Total TPH	<0.904	U	4.57	0.904	mg/L		02/28/22 14:50	03/01/22 19:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*02/28/22 14:50*	*03/01/22 19:50*	*1*
o-Terphenyl	*128*		*70 - 130*	*02/28/22 14:50*	*03/01/22 19:50*	*1*

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: LCS 880-20527/2-A
Matrix: Water
Analysis Batch: 20580

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20527

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			91.7	80.46		mg/L		88	75 - 125		
Diesel Range Organics (Over C10-C28)			91.7	80.46		mg/L		88	75 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*106*		*70 - 130*
o-Terphenyl	*94*		*70 - 130*

Lab Sample ID: LCSD 880-20527/3-A
Matrix: Water
Analysis Batch: 20580

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 20527

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			92.0	79.70		mg/L		87	75 - 125	1	20
Diesel Range Organics (Over C10-C28)			92.0	82.50		mg/L		90	75 - 125	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*103*		*70 - 130*
o-Terphenyl	*97*		*70 - 130*

Lab Sample ID: 880-11679-14 MS
Matrix: Water
Analysis Batch: 20580

Client Sample ID: MWD-8-W-220223
Prep Type: Total/NA
Prep Batch: 20527

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<0.887	U F1	90.1	74.68		mg/L		83	75 - 125		
Diesel Range Organics (Over C10-C28)	<0.887	U F1	90.1	73.29		mg/L		81	75 - 125		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*89*		*70 - 130*
o-Terphenyl	*81*		*70 - 130*

Lab Sample ID: 880-11679-14 MSD
Matrix: Water
Analysis Batch: 20580

Client Sample ID: MWD-8-W-220223
Prep Type: Total/NA
Prep Batch: 20527

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<0.887	U F1	90.4	73.54		mg/L		81	75 - 125	2	20
Diesel Range Organics (Over C10-C28)	<0.887	U F1	90.4	70.88		mg/L		78	75 - 125	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*87*		*70 - 130*

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-11679-14 MSD
Matrix: Water
Analysis Batch: 20580

Client Sample ID: MWD-8-W-220223
Prep Type: Total/NA
Prep Batch: 20527

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	79		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-43413/13
Matrix: Water
Analysis Batch: 43413

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.200	U	0.500	0.200	mg/L			03/02/22 17:06	1

Lab Sample ID: MB 860-43413/48
Matrix: Water
Analysis Batch: 43413

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.200	U	0.500	0.200	mg/L			03/03/22 00:06	1

Lab Sample ID: LCS 860-43413/14
Matrix: Water
Analysis Batch: 43413

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.894		mg/L		99	90 - 110

Lab Sample ID: LCS 860-43413/49
Matrix: Water
Analysis Batch: 43413

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.935		mg/L		99	90 - 110

Lab Sample ID: LCSD 860-43413/15
Matrix: Water
Analysis Batch: 43413

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	9.907		mg/L		99	90 - 110	0	20

Lab Sample ID: LCSD 860-43413/50
Matrix: Water
Analysis Batch: 43413

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	9.948		mg/L		99	90 - 110	0	20

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 860-43581/38
Matrix: Water
Analysis Batch: 43581

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.200	U	0.500	0.200	mg/L			03/03/22 21:31	1

Lab Sample ID: LCS 860-43581/39
Matrix: Water
Analysis Batch: 43581

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.960		mg/L		100	90 - 110

Lab Sample ID: LCSD 860-43581/40
Matrix: Water
Analysis Batch: 43581

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	9.990		mg/L		100	90 - 110	0	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 860-43212/1-A
Matrix: Water
Analysis Batch: 43304

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43212

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.000246	U	0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 14:18	1
Barium	<0.000484	U	0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 14:18	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 14:18	1

Lab Sample ID: LCS 860-43212/2-A
Matrix: Water
Analysis Batch: 43304

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43212

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.09671		mg/L		97	80 - 120
Barium	0.100	0.09424		mg/L		94	80 - 120
Chromium	0.100	0.09529		mg/L		95	80 - 120

Lab Sample ID: LCSD 860-43212/3-A
Matrix: Water
Analysis Batch: 43304

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43212

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.100	0.09688		mg/L		97	80 - 120	0	20
Barium	0.100	0.09505		mg/L		95	80 - 120	1	20
Chromium	0.100	0.09624		mg/L		96	80 - 120	1	20

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: 880-11679-1 MS
Matrix: Water
Analysis Batch: 43304

Client Sample ID: MW-15-W-220223
Prep Type: Dissolved
Prep Batch: 43212

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0149		0.100	0.1119		mg/L		97	75 - 125
Barium	0.0816		0.100	0.1712		mg/L		90	75 - 125
Chromium	0.00238	J	0.100	0.1016		mg/L		99	75 - 125

Lab Sample ID: 880-11679-1 MSD
Matrix: Water
Analysis Batch: 43304

Client Sample ID: MW-15-W-220223
Prep Type: Dissolved
Prep Batch: 43212

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0149		0.100	0.1095		mg/L		95	75 - 125	2	20
Barium	0.0816		0.100	0.1651		mg/L		83	75 - 125	4	20
Chromium	0.00238	J	0.100	0.1005		mg/L		98	75 - 125	1	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 880-20307/3
Matrix: Water
Analysis Batch: 20307

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/24/22 08:15	1

Lab Sample ID: LCS 880-20307/4
Matrix: Water
Analysis Batch: 20307

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	0.0400	0.04112		mg/L		103	85 - 115

Lab Sample ID: LCSD 880-20307/5
Matrix: Water
Analysis Batch: 20307

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cr (VI)	0.0400	0.04112		mg/L		103	85 - 115	0	20

Lab Sample ID: MB 880-20312/3
Matrix: Water
Analysis Batch: 20312

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/24/22 09:30	1

Lab Sample ID: LCS 880-20312/4
Matrix: Water
Analysis Batch: 20312

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	0.0400	0.04112		mg/L		103	85 - 115

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: LCSD 880-20312/5
Matrix: Water
Analysis Batch: 20312

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cr (VI)			0.0400	0.04112		mg/L		103	85 - 115	0	20

Lab Sample ID: 880-11679-1 MS
Matrix: Water
Analysis Batch: 20307

Client Sample ID: MW-15-W-220223
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	<0.00273	U	0.200	0.2283		mg/L		114	85 - 115

Lab Sample ID: 880-11679-1 MSD
Matrix: Water
Analysis Batch: 20307

Client Sample ID: MW-15-W-220223
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cr (VI)	<0.00273	U	0.200	0.2283		mg/L		114	85 - 115	0	20

Lab Sample ID: 880-11679-11 MS
Matrix: Water
Analysis Batch: 20312

Client Sample ID: TMW-1-W-220223
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	<0.00273	U	0.200	0.2259		mg/L		113	85 - 115

Lab Sample ID: 880-11679-11 MSD
Matrix: Water
Analysis Batch: 20312

Client Sample ID: TMW-1-W-220223
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cr (VI)	<0.00273	U	0.200	0.2254		mg/L		113	85 - 115	0	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 860-43040/1
Matrix: Water
Analysis Batch: 43040

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<5.00	U	5.00	5.00	mg/L			02/27/22 17:42	1

Lab Sample ID: LCS 860-43040/2
Matrix: Water
Analysis Batch: 43040

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids			1000	1137		mg/L		114	80 - 120

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCSD 860-43040/3
Matrix: Water
Analysis Batch: 43040

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids			1000	1141		mg/L		114	80 - 120	0	10

Lab Sample ID: MB 860-43041/1
Matrix: Water
Analysis Batch: 43041

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<5.00	U	5.00	5.00	mg/L			02/27/22 18:59	1

Lab Sample ID: LCS 860-43041/2
Matrix: Water
Analysis Batch: 43041

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			1000	1047		mg/L		105	80 - 120		

Lab Sample ID: LCSD 860-43041/3
Matrix: Water
Analysis Batch: 43041

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids			1000	1015		mg/L		102	80 - 120	3	10

Lab Sample ID: 880-11679-8 DU
Matrix: Water
Analysis Batch: 43041

Client Sample ID: MW-38-W-220223
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	2320			2180		mg/L				6	10

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

GC VOA

Prep Batch: 20437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-20437/5-A	Method Blank	Total/NA	Water	5035	

Analysis Batch: 20575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11679-1	MW-15-W-220223	Total/NA	Water	8021B	
880-11679-2	MW-16-W-220223	Total/NA	Water	8021B	
880-11679-3	MW-36-W-220223	Total/NA	Water	8021B	
880-11679-4	MW-35-W-220223	Total/NA	Water	8021B	
880-11679-5	MW-13-W-220223	Total/NA	Water	8021B	
880-11679-6	MW-31-W-220223	Total/NA	Water	8021B	
880-11679-7	MW-37-W-220223	Total/NA	Water	8021B	
880-11679-8	MW-38-W-220223	Total/NA	Water	8021B	
880-11679-9	DUP0I-W-220223	Total/NA	Water	8021B	
MB 880-20575/8	Method Blank	Total/NA	Water	8021B	
LCS 880-20575/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-20575/4	Lab Control Sample Dup	Total/NA	Water	8021B	

Analysis Batch: 20633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11679-1	MW-15-W-220223	Total/NA	Water	Total BTEX	
880-11679-2	MW-16-W-220223	Total/NA	Water	Total BTEX	
880-11679-3	MW-36-W-220223	Total/NA	Water	Total BTEX	
880-11679-4	MW-35-W-220223	Total/NA	Water	Total BTEX	
880-11679-5	MW-13-W-220223	Total/NA	Water	Total BTEX	
880-11679-6	MW-31-W-220223	Total/NA	Water	Total BTEX	
880-11679-7	MW-37-W-220223	Total/NA	Water	Total BTEX	
880-11679-8	MW-38-W-220223	Total/NA	Water	Total BTEX	
880-11679-9	DUP0I-W-220223	Total/NA	Water	Total BTEX	
880-11679-10	MW-3-W-220223	Total/NA	Water	Total BTEX	
880-11679-11	TMW-1-W-220223	Total/NA	Water	Total BTEX	
880-11679-12	DUP02-W-220223	Total/NA	Water	Total BTEX	
880-11679-13	MWD-11-W-220223	Total/NA	Water	Total BTEX	
880-11679-14	MWD-8-W-220223	Total/NA	Water	Total BTEX	
880-11679-15	MWD-2-W-220223	Total/NA	Water	Total BTEX	
880-11679-16	MW-4-W-220223	Total/NA	Water	Total BTEX	
880-11679-17	RW-8-W-220223	Total/NA	Water	Total BTEX	

Analysis Batch: 20657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11679-10	MW-3-W-220223	Total/NA	Water	8021B	
880-11679-11	TMW-1-W-220223	Total/NA	Water	8021B	
880-11679-12	DUP02-W-220223	Total/NA	Water	8021B	
880-11679-13	MWD-11-W-220223	Total/NA	Water	8021B	
880-11679-14	MWD-8-W-220223	Total/NA	Water	8021B	
880-11679-15	MWD-2-W-220223	Total/NA	Water	8021B	
880-11679-16	MW-4-W-220223	Total/NA	Water	8021B	
880-11679-17	RW-8-W-220223	Total/NA	Water	8021B	
MB 880-20437/5-A	Method Blank	Total/NA	Water	8021B	20437
MB 880-20657/64	Method Blank	Total/NA	Water	8021B	
LCS 880-20657/34	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-20657/35	Lab Control Sample Dup	Total/NA	Water	8021B	

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

GC VOA (Continued)

Analysis Batch: 20657 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11679-10 MS	MW-3-W-220223	Total/NA	Water	8021B	
880-11679-10 MSD	MW-3-W-220223	Total/NA	Water	8021B	

GC Semi VOA

Prep Batch: 20159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11679-1	MW-15-W-220223	Total/NA	Water	8015NM Aq Prep	
880-11679-2	MW-16-W-220223	Total/NA	Water	8015NM Aq Prep	
880-11679-3	MW-36-W-220223	Total/NA	Water	8015NM Aq Prep	
880-11679-4	MW-35-W-220223	Total/NA	Water	8015NM Aq Prep	
880-11679-5	MW-13-W-220223	Total/NA	Water	8015NM Aq Prep	
880-11679-6	MW-31-W-220223	Total/NA	Water	8015NM Aq Prep	
880-11679-7	MW-37-W-220223	Total/NA	Water	8015NM Aq Prep	
880-11679-8	MW-38-W-220223	Total/NA	Water	8015NM Aq Prep	
880-11679-9	DUP0I-W-220223	Total/NA	Water	8015NM Aq Prep	
880-11679-10	MW-3-W-220223	Total/NA	Water	8015NM Aq Prep	
880-11679-11	TMW-1-W-220223	Total/NA	Water	8015NM Aq Prep	
880-11679-12	DUP02-W-220223	Total/NA	Water	8015NM Aq Prep	
880-11679-13	MWD-11-W-220223	Total/NA	Water	8015NM Aq Prep	
MB 880-20159/1-A	Method Blank	Total/NA	Water	8015NM Aq Prep	
LCS 880-20159/2-A	Lab Control Sample	Total/NA	Water	8015NM Aq Prep	
LCSD 880-20159/3-A	Lab Control Sample Dup	Total/NA	Water	8015NM Aq Prep	

Analysis Batch: 20310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11679-1	MW-15-W-220223	Total/NA	Water	8015B NM	20159
880-11679-2	MW-16-W-220223	Total/NA	Water	8015B NM	20159
880-11679-3	MW-36-W-220223	Total/NA	Water	8015B NM	20159
880-11679-4	MW-35-W-220223	Total/NA	Water	8015B NM	20159
880-11679-5	MW-13-W-220223	Total/NA	Water	8015B NM	20159
880-11679-6	MW-31-W-220223	Total/NA	Water	8015B NM	20159
880-11679-7	MW-37-W-220223	Total/NA	Water	8015B NM	20159
880-11679-8	MW-38-W-220223	Total/NA	Water	8015B NM	20159
880-11679-9	DUP0I-W-220223	Total/NA	Water	8015B NM	20159
880-11679-10	MW-3-W-220223	Total/NA	Water	8015B NM	20159
880-11679-11	TMW-1-W-220223	Total/NA	Water	8015B NM	20159
880-11679-12	DUP02-W-220223	Total/NA	Water	8015B NM	20159
880-11679-13	MWD-11-W-220223	Total/NA	Water	8015B NM	20159
MB 880-20159/1-A	Method Blank	Total/NA	Water	8015B NM	20159
LCS 880-20159/2-A	Lab Control Sample	Total/NA	Water	8015B NM	20159
LCSD 880-20159/3-A	Lab Control Sample Dup	Total/NA	Water	8015B NM	20159

Prep Batch: 20527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11679-14	MWD-8-W-220223	Total/NA	Water	8015NM Aq Prep	
880-11679-15	MWD-2-W-220223	Total/NA	Water	8015NM Aq Prep	
880-11679-16	MW-4-W-220223	Total/NA	Water	8015NM Aq Prep	
880-11679-17	RW-8-W-220223	Total/NA	Water	8015NM Aq Prep	
MB 880-20527/1-A	Method Blank	Total/NA	Water	8015NM Aq Prep	
LCS 880-20527/2-A	Lab Control Sample	Total/NA	Water	8015NM Aq Prep	

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

GC Semi VOA (Continued)

Prep Batch: 20527 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-20527/3-A	Lab Control Sample Dup	Total/NA	Water	8015NM Aq Prep	
880-11679-14 MS	MWD-8-W-220223	Total/NA	Water	8015NM Aq Prep	
880-11679-14 MSD	MWD-8-W-220223	Total/NA	Water	8015NM Aq Prep	

Analysis Batch: 20568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11679-1	MW-15-W-220223	Total/NA	Water	8015 NM	
880-11679-2	MW-16-W-220223	Total/NA	Water	8015 NM	
880-11679-3	MW-36-W-220223	Total/NA	Water	8015 NM	
880-11679-4	MW-35-W-220223	Total/NA	Water	8015 NM	
880-11679-5	MW-13-W-220223	Total/NA	Water	8015 NM	
880-11679-6	MW-31-W-220223	Total/NA	Water	8015 NM	
880-11679-7	MW-37-W-220223	Total/NA	Water	8015 NM	
880-11679-8	MW-38-W-220223	Total/NA	Water	8015 NM	
880-11679-9	DUP0I-W-220223	Total/NA	Water	8015 NM	
880-11679-10	MW-3-W-220223	Total/NA	Water	8015 NM	
880-11679-11	TMW-1-W-220223	Total/NA	Water	8015 NM	
880-11679-12	DUP02-W-220223	Total/NA	Water	8015 NM	
880-11679-13	MWD-11-W-220223	Total/NA	Water	8015 NM	
880-11679-14	MWD-8-W-220223	Total/NA	Water	8015 NM	
880-11679-15	MWD-2-W-220223	Total/NA	Water	8015 NM	
880-11679-16	MW-4-W-220223	Total/NA	Water	8015 NM	
880-11679-17	RW-8-W-220223	Total/NA	Water	8015 NM	

Analysis Batch: 20580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11679-14	MWD-8-W-220223	Total/NA	Water	8015B NM	20527
880-11679-15	MWD-2-W-220223	Total/NA	Water	8015B NM	20527
880-11679-16	MW-4-W-220223	Total/NA	Water	8015B NM	20527
880-11679-17	RW-8-W-220223	Total/NA	Water	8015B NM	20527
MB 880-20527/1-A	Method Blank	Total/NA	Water	8015B NM	20527
LCS 880-20527/2-A	Lab Control Sample	Total/NA	Water	8015B NM	20527
LCSD 880-20527/3-A	Lab Control Sample Dup	Total/NA	Water	8015B NM	20527
880-11679-14 MS	MWD-8-W-220223	Total/NA	Water	8015B NM	20527
880-11679-14 MSD	MWD-8-W-220223	Total/NA	Water	8015B NM	20527

HPLC/IC

Analysis Batch: 43413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11679-1 - DL	MW-15-W-220223	Total/NA	Water	300.0	
880-11679-2 - DL	MW-16-W-220223	Total/NA	Water	300.0	
880-11679-3	MW-36-W-220223	Total/NA	Water	300.0	
880-11679-4	MW-35-W-220223	Total/NA	Water	300.0	
880-11679-5	MW-13-W-220223	Total/NA	Water	300.0	
880-11679-6	MW-31-W-220223	Total/NA	Water	300.0	
880-11679-7	MW-37-W-220223	Total/NA	Water	300.0	
880-11679-8 - DL	MW-38-W-220223	Total/NA	Water	300.0	
880-11679-9	DUP0I-W-220223	Total/NA	Water	300.0	
880-11679-10	MW-3-W-220223	Total/NA	Water	300.0	
880-11679-11	TMW-1-W-220223	Total/NA	Water	300.0	

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

HPLC/IC (Continued)

Analysis Batch: 43413 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11679-12	DUP02-W-220223	Total/NA	Water	300.0	
880-11679-13	MWD-11-W-220223	Total/NA	Water	300.0	
MB 860-43413/13	Method Blank	Total/NA	Water	300.0	
MB 860-43413/48	Method Blank	Total/NA	Water	300.0	
LCS 860-43413/14	Lab Control Sample	Total/NA	Water	300.0	
LCS 860-43413/49	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-43413/15	Lab Control Sample Dup	Total/NA	Water	300.0	
LCSD 860-43413/50	Lab Control Sample Dup	Total/NA	Water	300.0	

Analysis Batch: 43581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11679-14	MWD-8-W-220223	Total/NA	Water	300.0	
880-11679-15 - DL	MWD-2-W-220223	Total/NA	Water	300.0	
880-11679-16 - DL	MW-4-W-220223	Total/NA	Water	300.0	
880-11679-17 - DL	RW-8-W-220223	Total/NA	Water	300.0	
MB 860-43581/38	Method Blank	Total/NA	Water	300.0	
LCS 860-43581/39	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-43581/40	Lab Control Sample Dup	Total/NA	Water	300.0	

Metals

Prep Batch: 43212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11679-1	MW-15-W-220223	Dissolved	Water	3010A	
880-11679-2	MW-16-W-220223	Dissolved	Water	3010A	
880-11679-3	MW-36-W-220223	Dissolved	Water	3010A	
880-11679-4	MW-35-W-220223	Dissolved	Water	3010A	
880-11679-5	MW-13-W-220223	Dissolved	Water	3010A	
880-11679-6	MW-31-W-220223	Dissolved	Water	3010A	
880-11679-7	MW-37-W-220223	Dissolved	Water	3010A	
880-11679-8	MW-38-W-220223	Dissolved	Water	3010A	
880-11679-9	DUP0I-W-220223	Dissolved	Water	3010A	
880-11679-10	MW-3-W-220223	Dissolved	Water	3010A	
880-11679-11	TMW-1-W-220223	Dissolved	Water	3010A	
880-11679-12	DUP02-W-220223	Dissolved	Water	3010A	
880-11679-13	MWD-11-W-220223	Dissolved	Water	3010A	
880-11679-14	MWD-8-W-220223	Dissolved	Water	3010A	
880-11679-15	MWD-2-W-220223	Dissolved	Water	3010A	
880-11679-16	MW-4-W-220223	Dissolved	Water	3010A	
880-11679-17	RW-8-W-220223	Dissolved	Water	3010A	
MB 860-43212/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-43212/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-43212/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
880-11679-1 MS	MW-15-W-220223	Dissolved	Water	3010A	
880-11679-1 MSD	MW-15-W-220223	Dissolved	Water	3010A	

Analysis Batch: 43304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11679-1	MW-15-W-220223	Dissolved	Water	6020A	43212
880-11679-2	MW-16-W-220223	Dissolved	Water	6020A	43212
880-11679-3	MW-36-W-220223	Dissolved	Water	6020A	43212

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Metals (Continued)

Analysis Batch: 43304 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11679-4	MW-35-W-220223	Dissolved	Water	6020A	43212
880-11679-5	MW-13-W-220223	Dissolved	Water	6020A	43212
880-11679-6	MW-31-W-220223	Dissolved	Water	6020A	43212
880-11679-7	MW-37-W-220223	Dissolved	Water	6020A	43212
880-11679-8	MW-38-W-220223	Dissolved	Water	6020A	43212
880-11679-9	DUP0I-W-220223	Dissolved	Water	6020A	43212
880-11679-10	MW-3-W-220223	Dissolved	Water	6020A	43212
880-11679-11	TMW-1-W-220223	Dissolved	Water	6020A	43212
880-11679-12	DUP02-W-220223	Dissolved	Water	6020A	43212
880-11679-13	MWD-11-W-220223	Dissolved	Water	6020A	43212
880-11679-14	MWD-8-W-220223	Dissolved	Water	6020A	43212
880-11679-15	MWD-2-W-220223	Dissolved	Water	6020A	43212
880-11679-16	MW-4-W-220223	Dissolved	Water	6020A	43212
880-11679-17	RW-8-W-220223	Dissolved	Water	6020A	43212
MB 860-43212/1-A	Method Blank	Total/NA	Water	6020A	43212
LCS 860-43212/2-A	Lab Control Sample	Total/NA	Water	6020A	43212
LCSD 860-43212/3-A	Lab Control Sample Dup	Total/NA	Water	6020A	43212
880-11679-1 MS	MW-15-W-220223	Dissolved	Water	6020A	43212
880-11679-1 MSD	MW-15-W-220223	Dissolved	Water	6020A	43212

General Chemistry

Analysis Batch: 20307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11679-1	MW-15-W-220223	Dissolved	Water	7196A	
880-11679-2	MW-16-W-220223	Dissolved	Water	7196A	
880-11679-3	MW-36-W-220223	Dissolved	Water	7196A	
880-11679-4	MW-35-W-220223	Dissolved	Water	7196A	
880-11679-5	MW-13-W-220223	Dissolved	Water	7196A	
880-11679-6	MW-31-W-220223	Dissolved	Water	7196A	
880-11679-7	MW-37-W-220223	Dissolved	Water	7196A	
880-11679-8	MW-38-W-220223	Dissolved	Water	7196A	
880-11679-9	DUP0I-W-220223	Dissolved	Water	7196A	
880-11679-10	MW-3-W-220223	Dissolved	Water	7196A	
MB 880-20307/3	Method Blank	Total/NA	Water	7196A	
LCS 880-20307/4	Lab Control Sample	Total/NA	Water	7196A	
LCSD 880-20307/5	Lab Control Sample Dup	Total/NA	Water	7196A	
880-11679-1 MS	MW-15-W-220223	Dissolved	Water	7196A	
880-11679-1 MSD	MW-15-W-220223	Dissolved	Water	7196A	

Analysis Batch: 20312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11679-11	TMW-1-W-220223	Dissolved	Water	7196A	
880-11679-12	DUP02-W-220223	Dissolved	Water	7196A	
880-11679-13	MWD-11-W-220223	Dissolved	Water	7196A	
880-11679-14	MWD-8-W-220223	Dissolved	Water	7196A	
880-11679-15	MWD-2-W-220223	Dissolved	Water	7196A	
880-11679-16	MW-4-W-220223	Dissolved	Water	7196A	
880-11679-17	RW-8-W-220223	Dissolved	Water	7196A	
MB 880-20312/3	Method Blank	Total/NA	Water	7196A	
LCS 880-20312/4	Lab Control Sample	Total/NA	Water	7196A	

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

General Chemistry (Continued)

Analysis Batch: 20312 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-20312/5	Lab Control Sample Dup	Total/NA	Water	7196A	
880-11679-11 MS	TMW-1-W-220223	Dissolved	Water	7196A	
880-11679-11 MSD	TMW-1-W-220223	Dissolved	Water	7196A	

Analysis Batch: 43040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11679-1	MW-15-W-220223	Total/NA	Water	SM 2540C	
MB 860-43040/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 860-43040/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 860-43040/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Analysis Batch: 43041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11679-2	MW-16-W-220223	Total/NA	Water	SM 2540C	
880-11679-3	MW-36-W-220223	Total/NA	Water	SM 2540C	
880-11679-4	MW-35-W-220223	Total/NA	Water	SM 2540C	
880-11679-5	MW-13-W-220223	Total/NA	Water	SM 2540C	
880-11679-6	MW-31-W-220223	Total/NA	Water	SM 2540C	
880-11679-7	MW-37-W-220223	Total/NA	Water	SM 2540C	
880-11679-8	MW-38-W-220223	Total/NA	Water	SM 2540C	
880-11679-9	DUP0I-W-220223	Total/NA	Water	SM 2540C	
880-11679-10	MW-3-W-220223	Total/NA	Water	SM 2540C	
880-11679-11	TMW-1-W-220223	Total/NA	Water	SM 2540C	
880-11679-12	DUP02-W-220223	Total/NA	Water	SM 2540C	
880-11679-13	MWD-11-W-220223	Total/NA	Water	SM 2540C	
880-11679-14	MWD-8-W-220223	Total/NA	Water	SM 2540C	
880-11679-15	MWD-2-W-220223	Total/NA	Water	SM 2540C	
880-11679-16	MW-4-W-220223	Total/NA	Water	SM 2540C	
880-11679-17	RW-8-W-220223	Total/NA	Water	SM 2540C	
MB 860-43041/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 860-43041/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 860-43041/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
880-11679-8 DU	MW-38-W-220223	Total/NA	Water	SM 2540C	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: MW-15-W-220223
Date Collected: 02/23/22 08:32
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20575	03/01/22 09:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20633	03/01/22 18:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20568	02/28/22 19:41	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			32.8 mL	3 mL	20159	02/25/22 15:02	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20310	02/26/22 03:16	AJ	XEN MID
Total/NA	Analysis	300.0	DL	10			43413	03/02/22 20:42	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	43212	03/01/22 09:25	MD	XEN STF
Dissolved	Analysis	6020A		1			43304	03/01/22 14:28	SHZ	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	20307	02/24/22 08:15	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	43040	02/27/22 17:42	ADL	XEN STF

Client Sample ID: MW-16-W-220223
Date Collected: 02/23/22 08:31
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20575	03/01/22 09:48	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20633	03/01/22 18:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20568	02/28/22 19:41	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			33 mL	3 mL	20159	02/25/22 15:02	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20310	02/26/22 03:39	AJ	XEN MID
Total/NA	Analysis	300.0	DL	10			43413	03/02/22 20:54	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	43212	03/01/22 09:25	MD	XEN STF
Dissolved	Analysis	6020A		1			43304	03/01/22 14:50	SHZ	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	20307	02/24/22 08:15	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	43041	02/27/22 18:59	ADL	XEN STF

Client Sample ID: MW-36-W-220223
Date Collected: 02/23/22 10:26
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20575	03/01/22 10:15	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20633	03/01/22 18:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20568	02/28/22 19:41	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			33.5 mL	3 mL	20159	02/25/22 15:02	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20310	02/26/22 04:03	AJ	XEN MID
Total/NA	Analysis	300.0		1			43413	03/02/22 21:06	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	43212	03/01/22 09:25	MD	XEN STF
Dissolved	Analysis	6020A		1			43304	03/01/22 14:54	SHZ	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	20307	02/24/22 08:15	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	43041	02/27/22 18:59	ADL	XEN STF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: MW-35-W-220223
Date Collected: 02/23/22 11:02
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20575	03/01/22 10:42	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20633	03/01/22 18:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20568	02/28/22 19:41	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			33.6 mL	3 mL	20159	02/25/22 15:02	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20310	02/26/22 04:25	AJ	XEN MID
Total/NA	Analysis	300.0		1			43413	03/02/22 21:18	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	43212	03/01/22 09:25	MD	XEN STF
Dissolved	Analysis	6020A		1			43304	03/01/22 14:57	SHZ	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	20307	02/24/22 08:15	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	43041	02/27/22 18:59	ADL	XEN STF

Client Sample ID: MW-13-W-220223
Date Collected: 02/23/22 11:45
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20575	03/01/22 11:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20633	03/01/22 18:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20568	02/28/22 19:41	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			33.6 mL	3 mL	20159	02/25/22 15:02	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20310	02/26/22 05:10	AJ	XEN MID
Total/NA	Analysis	300.0		1			43413	03/02/22 21:54	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	43212	03/01/22 09:25	MD	XEN STF
Dissolved	Analysis	6020A		1			43304	03/01/22 15:00	SHZ	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	20307	02/24/22 08:15	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	43041	02/27/22 18:59	ADL	XEN STF

Client Sample ID: MW-31-W-220223
Date Collected: 02/23/22 12:10
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20575	03/01/22 11:37	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20633	03/01/22 18:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20568	02/28/22 19:41	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			33.1 mL	3 mL	20159	02/25/22 15:02	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20310	02/26/22 05:31	AJ	XEN MID
Total/NA	Analysis	300.0		1			43413	03/02/22 22:06	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	43212	03/01/22 09:25	MD	XEN STF
Dissolved	Analysis	6020A		1			43304	03/01/22 15:03	SHZ	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	20307	02/24/22 08:15	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	43041	02/27/22 18:59	ADL	XEN STF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: MW-37-W-220223
Date Collected: 02/23/22 12:38
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20575	03/01/22 12:01	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20633	03/01/22 18:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20568	02/28/22 19:41	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			33.1 mL	3 mL	20159	02/25/22 15:02	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20310	02/26/22 05:52	AJ	XEN MID
Total/NA	Analysis	300.0		1			43413	03/02/22 22:18	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	43212	03/01/22 09:25	MD	XEN STF
Dissolved	Analysis	6020A		1			43304	03/01/22 15:07	SHZ	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	20307	02/24/22 08:15	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	43041	02/27/22 18:59	ADL	XEN STF

Client Sample ID: MW-38-W-220223
Date Collected: 02/23/22 13:12
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20575	03/01/22 13:05	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20633	03/01/22 18:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20568	02/28/22 19:41	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			33 mL	3 mL	20159	02/25/22 15:02	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20310	02/26/22 06:13	AJ	XEN MID
Total/NA	Analysis	300.0	DL	10			43413	03/02/22 22:30	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	43212	03/01/22 09:25	MD	XEN STF
Dissolved	Analysis	6020A		1			43304	03/01/22 15:10	SHZ	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	20307	02/24/22 08:15	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	43041	02/27/22 18:59	ADL	XEN STF

Client Sample ID: DUP0I-W-220223
Date Collected: 02/23/22 00:00
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20575	03/01/22 17:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20633	03/01/22 18:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20568	02/28/22 19:41	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			33.4 mL	3 mL	20159	02/25/22 15:02	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20310	02/26/22 06:33	AJ	XEN MID
Total/NA	Analysis	300.0		10			43413	03/03/22 13:30	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	43212	03/01/22 09:25	MD	XEN STF
Dissolved	Analysis	6020A		1			43304	03/01/22 15:13	SHZ	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	20307	02/24/22 08:15	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	43041	02/27/22 18:59	ADL	XEN STF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: MW-3-W-220223
Date Collected: 02/23/22 08:35
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/03/22 00:03	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20633	03/01/22 18:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20568	02/28/22 19:41	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			33.4 mL	3 mL	20159	02/25/22 15:02	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20310	02/26/22 06:54	AJ	XEN MID
Total/NA	Analysis	300.0		1			43413	03/02/22 22:54	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	43212	03/01/22 09:25	MD	XEN STF
Dissolved	Analysis	6020A		1			43304	03/01/22 15:16	SHZ	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	20307	02/24/22 08:15	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	43041	02/27/22 18:59	ADL	XEN STF

Client Sample ID: TMW-1-W-220223
Date Collected: 02/23/22 10:25
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/03/22 00:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20633	03/01/22 18:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20568	02/28/22 19:41	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			33.5 mL	3 mL	20159	02/25/22 15:02	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20310	02/26/22 07:16	AJ	XEN MID
Total/NA	Analysis	300.0		1			43413	03/02/22 23:06	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	43212	03/01/22 09:25	MD	XEN STF
Dissolved	Analysis	6020A		1			43304	03/01/22 15:19	SHZ	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	20312	02/24/22 09:30	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	43041	02/27/22 18:59	ADL	XEN STF

Client Sample ID: DUP02-W-220223
Date Collected: 02/23/22 00:00
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/03/22 00:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20633	03/01/22 18:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20568	02/28/22 19:41	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			33.5 mL	3 mL	20159	02/25/22 15:02	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20310	02/26/22 07:37	AJ	XEN MID
Total/NA	Analysis	300.0		1			43413	03/02/22 23:18	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	43212	03/01/22 09:25	MD	XEN STF
Dissolved	Analysis	6020A		1			43304	03/01/22 15:29	SHZ	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	20312	02/24/22 09:30	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	43041	02/27/22 18:59	ADL	XEN STF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: MWD-11-W-220223
Date Collected: 02/23/22 11:24
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/03/22 01:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20633	03/01/22 18:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20568	02/28/22 19:41	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			33.7 mL	3 mL	20159	02/25/22 15:02	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20310	02/26/22 07:59	AJ	XEN MID
Total/NA	Analysis	300.0		1			43413	03/02/22 23:30	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	43212	03/01/22 09:25	MD	XEN STF
Dissolved	Analysis	6020A		1			43304	03/01/22 15:32	SHZ	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	20312	02/24/22 09:30	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	43041	02/27/22 18:59	ADL	XEN STF

Client Sample ID: MWD-8-W-220223
Date Collected: 02/23/22 12:30
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/03/22 01:24	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20633	03/01/22 18:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20568	02/28/22 19:41	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			33.4 mL	3 mL	20527	02/28/22 14:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20580	03/01/22 20:51	AJ	XEN MID
Total/NA	Analysis	300.0		1			43581	03/04/22 01:08	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	43212	03/01/22 09:25	MD	XEN STF
Dissolved	Analysis	6020A		1			43304	03/01/22 15:35	SHZ	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	20312	02/24/22 09:30	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	43041	02/27/22 18:59	ADL	XEN STF

Client Sample ID: MWD-2-W-220223
Date Collected: 02/23/22 13:10
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/03/22 01:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20633	03/01/22 18:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20568	02/28/22 19:41	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			33.2 mL	3 mL	20527	02/28/22 14:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20580	03/01/22 21:55	AJ	XEN MID
Total/NA	Analysis	300.0	DL	10			43581	03/04/22 01:20	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	43212	03/01/22 09:25	MD	XEN STF
Dissolved	Analysis	6020A		1			43304	03/01/22 15:39	SHZ	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	20312	02/24/22 09:30	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	43041	02/27/22 18:59	ADL	XEN STF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: MW-4-W-220223

Lab Sample ID: 880-11679-16

Date Collected: 02/23/22 13:45
Matrix: Water
Date Received: 02/23/22 16:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/03/22 02:05	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20633	03/01/22 18:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20568	02/28/22 19:41	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			33 mL	3 mL	20527	02/28/22 14:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20580	03/01/22 22:17	AJ	XEN MID
Total/NA	Analysis	300.0	DL	10			43581	03/04/22 01:31	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	43212	03/01/22 09:25	MD	XEN STF
Dissolved	Analysis	6020A		1			43304	03/01/22 15:42	SHZ	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	20312	02/24/22 09:30	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	43041	02/27/22 18:59	ADL	XEN STF

Client Sample ID: RW-8-W-220223

Lab Sample ID: 880-11679-17

Date Collected: 02/23/22 14:18
Matrix: Water
Date Received: 02/23/22 16:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/03/22 02:25	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20633	03/01/22 18:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20568	02/28/22 19:41	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			33.7 mL	3 mL	20527	02/28/22 14:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20580	03/01/22 22:39	AJ	XEN MID
Total/NA	Analysis	300.0	DL	10			43581	03/04/22 01:43	ANP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	43212	03/01/22 09:25	MD	XEN STF
Dissolved	Analysis	6020A		1			43304	03/01/22 15:45	SHZ	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	20312	02/24/22 09:30	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	43041	02/27/22 18:59	ADL	XEN STF

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440
XEN STF = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Job ID: 880-11679-1
Project/Site: Eunice Project-S. Eunice

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Water	Total TPH
8015B NM	8015NM Aq Prep	Water	Total TPH
Total BTEX		Water	Total BTEX

Laboratory: Eurofins Houston

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215-21-44	06-30-22

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN STF
6020A	Metals (ICP/MS)	SW846	XEN STF
7196A	Chromium, Hexavalent	SW846	XEN MID
SM 2540C	Solids, Total Dissolved (TDS)	SM	XEN STF
3010A	Preparation, Total Metals	SW846	XEN STF
5030B	Purge and Trap	SW846	XEN MID
8015NM Aq Prep	Microextraction	SW846	XEN MID

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440
XEN STF = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-11679-1	MW-15-W-220223	Water	02/23/22 08:32	02/23/22 16:56
880-11679-2	MW-16-W-220223	Water	02/23/22 08:31	02/23/22 16:56
880-11679-3	MW-36-W-220223	Water	02/23/22 10:26	02/23/22 16:56
880-11679-4	MW-35-W-220223	Water	02/23/22 11:02	02/23/22 16:56
880-11679-5	MW-13-W-220223	Water	02/23/22 11:45	02/23/22 16:56
880-11679-6	MW-31-W-220223	Water	02/23/22 12:10	02/23/22 16:56
880-11679-7	MW-37-W-220223	Water	02/23/22 12:38	02/23/22 16:56
880-11679-8	MW-38-W-220223	Water	02/23/22 13:12	02/23/22 16:56
880-11679-9	DUP0I-W-220223	Water	02/23/22 00:00	02/23/22 16:56
880-11679-10	MW-3-W-220223	Water	02/23/22 08:35	02/23/22 16:56
880-11679-11	TMW-1-W-220223	Water	02/23/22 10:25	02/23/22 16:56
880-11679-12	DUP02-W-220223	Water	02/23/22 00:00	02/23/22 16:56
880-11679-13	MWD-11-W-220223	Water	02/23/22 11:24	02/23/22 16:56
880-11679-14	MWD-8-W-220223	Water	02/23/22 12:30	02/23/22 16:56
880-11679-15	MWD-2-W-220223	Water	02/23/22 13:10	02/23/22 16:56
880-11679-16	MW-4-W-220223	Water	02/23/22 13:45	02/23/22 16:56
880-11679-17	RW-8-W-220223	Water	02/23/22 14:18	02/23/22 16:56

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Chain of Custody

XENCO LABORATORIES
Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)

880-11679 Chain of Custody

Project Manager:	Rebecca Andresen	Bill to: (if different)	
Company Name:	ARCADIS	Company Name:	
Address:	1004 N. Big Spring St.	Address:	
City, State ZIP:	Midland, TX. 79701	City, State ZIP:	
Phone:	303-471-3477	Email:	andrew.demarco@arcadis.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: New Mexico
Reporting:Level II [X] Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD [X] ADaPT ☐ Other:

Project Name:	Eunice Project- S. Eunice	Turn Around	
Project Number:	30049612	Routine ☐	
P.O. Number:		Rush:	
Sampler's Name:	Jerry Longwell/Daniel McGee	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	2.3/2.2	Thermometer ID	IR8
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-.1
Sample Custody Seals:	Yes No N/A	Total Containers:	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX (EPA 8021B)	TPH (SW8015B)	Hex Chrome (SW7196A)	Dissolved Metals (SW6020_DIS): Chromium, Arsenic & Barium)	TDS (SM2540C)	Chlorides (EPA 300.0)
MW-15-W-220223	W	02/23/22	0832		9	X	X	X	X	X	X
MW-16-W-220223	W	02/23/22	0931		9	X	X	X	X	X	X
MW-86-W-220223	W	02/23/22	1024		9	X	X	X	X	X	X
MW-35-W-220223	W	02/23/22	1102		9	X	X	X	X	X	X
MW-13-W-220223	W	02/23/22	1145		9	X	X	X	X	X	X
MW-31-W-220223	W	02/23/22	1210		9	X	X	X	X	X	X
MW-37-W-220223	W	02/23/22	1238		9	X	X	X	X	X	X
MW-38-W-220223	W	02/23/22	1312		9	X	X	X	X	X	X
DUP01-W-220223	W	02/23/22	—		9	X	X	X	X	X	X
MW-3-W-220223	W	02/23/22	0835		9	X	X	X	X	X	X

ANALYSIS REQUEST

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010:** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			2		
3		1700/2-23-22	4		
5			6		

Revised Date 051418 Rev. 2018.1

Received by OCD: 3/29/2023 1:18:07 PM

Released to Imaging: 4/10/2023 12:09:44 PM

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Chain of Custody

XENCO LABORATORIES

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)

www.xenco.com Page 2 of 2

Work Order No: 11679

Project Manager:	Rebecca Andresen	Bill to: (if different)	
Company Name:	ARCADIS	Company Name:	
Address:	1004 N. Big Spring St.	Address:	
City, State ZIP:	Midland, TX. 79701	City, State ZIP:	
Phone:	303-471-3477	Email:	andrew.demarco@arcadis.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: New Mexico
Reporting:Level II ☒ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☒ ADaPT ☐ Other:

Project Name:	Eunice Project- S. Eunice	Turn Around	
Project Number:	30049612	Routine ☐	
P.O. Number:		Rush:	
Sampler's Name:	Jerry Longwell/Daniel McGee	Due Date:	

SAMPLE RECEIPT			
Temperature (°C):	2.3/2.2	Temp Blank: Yes (No)	Wet Ice: (Yes) No
Received Intact:	(Yes) No	Thermometer ID	IR2
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-.1
Sample Custody Seals:	Yes No (N/A)	Total Containers:	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX (EPA 8021B)	TPH (SW8015B)	Hex Chrome (SW7196A)	Dissolved Metals (SW6020_DIS): Chromium, Arsenic & Barium)	TDS (SM2540C)	Chlorides (EPA 300.0)
MW-F-W-220223	W	02/23/22	1025		9	X	X	X	X	X	X
DUP02-W-220223	W	02/23/22	—		9	X	X	X	X	X	X
MWD-11-W-220223	W	02/23/22	1124		9	X	X	X	X	X	X
MWD-3-W-220223	W	02/23/22	1230		9	X	X	X	X	X	X
MWD-2-W-220223	W	02/23/22	1310		9	X	X	X	X	X	X
MW-4-W-220223	W	02/23/22	1345		9	X	X	X	X	X	X
RW-8-W-220223	W	02/23/22	1418		9	X	X	X	X	X	X

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010:** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471 :** Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		1700/22-22	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Received by OCD: 3/29/2023 1:18:07 PM

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4/13/2022 (Rev. 2)

Released to Imaging: 4/10/2023 12:09:44 PM

Released to Imaging: 4/10/2023 12:09:44 PM
Received by OCD: 3/29/2023 1:18:07 PM

Eurofins Midland
1211 W Florida Ave
Midland TX 79701
Phone: 432-704-5440

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Builes, John	Carrier Tracking No(s):	COC No: 880-3874.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: john.builes@eurofinset.com	State of Origin: Texas	Page: Page 1 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 880-11679-1
Address: 4145 Greenbriar Dr	Due Date Requested: 3/1/2022			
City: Stafford	TAT Requested (days):			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			
Email:	WO #:			
Project Name: Eunice Project-S. Eunice	Project #: 88000209			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020A/FIELD_FLTRD (MOD) Custom List	300_ORGFM_28D/ Chloride	2540C_Calcd	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
MW-15-W-220223 (880-11679-1)	2/23/22	08:32 Central		Water			X	X	X		
MW-16-W-220223 (880-11679-2)	2/23/22	08.31 Central		Water			X	X	X		
MW-36-W-220223 (880-11679-3)	2/23/22	10:26 Central		Water			X	X	X		
MW-35-W-220223 (880-11679-4)	2/23/22	11.02 Central		Water			X	X	X		
MW-13-W-220223 (880-11679-5)	2/23/22	11:45 Central		Water			X	X	X		
MW-31-W-220223 (880-11679-6)	2/23/22	12:10 Central		Water			X	X	X		
MW-37-W-220223 (880-11679-7)	2/23/22	12:38 Central		Water			X	X	X		
MW-38-W-220223 (880-11679-8)	2/23/22	13:12 Central		Water			X	X	X		
DUP01-W-220223 (880-11679-9)	2/23/22	Central		Water			X	X	X		

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central, LLC

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested. I II III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 2/25/22 1415	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: Temp: 3.1 IR ID.HOU-223 C/F:-0.1 Corrected Temp: 3.0

Ver: 06/08/2021

Released to Imaging: 4/10/2023 12:09:44 PM
Received by OCD: 3/29/2023 1:18:07 PM

Eurofins Midland
1211 W Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Burles, John	Carrier Tracking No(s):	COC No: 880-3874.2
Client Contact: *Shipping/Receiving*	Phone:	E-Mail: john burles@eurofinset.com	State of Origin: Texas	Page: Page 2 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 880-11679-1
Address: 4145 Greenbriar Dr	Due Date Requested: 3/1/2022			
City: Stafford	TAT Requested (days):			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			
Email:	WO #:			
Project Name: Eunice Project-S. Eunice	Project #: 88000209			
Site:	SSOW#:			

Analysis Requested

Preservation Codes.

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Wwater, Ssolid, Owaste/oil, BT=Tissue, A=Air)	6020A/FIELD_FLTRD (MOD) Custom List	300_ORGFM_28D/ Chloride	2540C_Calcd	Special Instructions/Note:
MW-3-W-220223 (880-11679-10)	2/23/22	08:35 Central		Water	X	X	X	
MW-1-W-220223 (880-11679-11)	2/23/22	10:25 Central		Water	X	X	X	
DUP02-W-220223 (880-11679-12)	2/23/22	Central		Water	X	X	X	
MW-11-W-220223 (880-11679-13)	2/23/22	11:24 Central		Water	X	X	X	
MW-8-W-220223 (880-11679-14)	2/23/22	12:30 Central		Water	X	X	X	
MW-2-W-220223 (880-11679-15)	2/23/22	13:10 Central		Water	X	X	X	
MW-4-W-220223 (880-11679-16)	2/23/22	13:45 Central		Water	X	X	X	
RW-8-W-220223 (880-11679-17)	2/23/22	14.18 Central		Water	X	X	X	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:
Empty Kit Relinquished by:	Date: Time: Method of Shipment:

Relinquished by: Olivia Rodriguez	Date/Time:	Company	Received by: Gilbreath	Date/Time:	Company	
Relinquished by: Gilbreath	Date/Time:	Company	Received by:	Date/Time: 2/23/22 1415	Company EA	
Relinquished by:	Date/Time:	Company	Received by:		Company	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks: Temp: 3.1 IR ID:HOU-223 C/F:-0 1 Corrected Temp: 3-0

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc Job Number: 880-11679-1

Login Number: 11679 **List Source: Eurofins Midland**
List Number: 1
Creator: Teel, Brianna

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

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc Job Number: 880-11679-1

Login Number: 11679
List Number: 2
Creator: Milone, Jeancarlo

List Source: Eurofins Houston
List Creation: 02/25/22 03:03 PM

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Andrew DeMarco
ARCADIS U.S., Inc.
1004 North Big Spring
Suite 300
Midland, Texas 79701

Generated 2/24/2023 8:51:27 PM Revision 2

JOB DESCRIPTION

Eunice Project-S.Eunice
SDG NUMBER 30049612

JOB NUMBER

880-11718-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 4/10/2023 12:09:44 PM

Eurofins Midland

Job Notes

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

Authorization

Generated
2/24/2023 8:51:27 PM
Revision 2

Authorized for release by
John Builes, Project Manager
John.Builes@et.eurofinsus.com
(561)558-4549

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Laboratory Job ID: 880-11718-1
SDG: 30049612

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Definitions/Glossary

Client: ARCADIS U.S., Inc. Job ID: 880-11718-1
Project/Site: Eunice Project-S.Eunice SDG: 30049612

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)

Definitions/Glossary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Job ID: 880-11718-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-11718-1

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 3/10/2022. The report (revision 1) is being revised due to: Revised report to correct client sample Id per client request..

Receipt
The samples were received on 2/24/2022 5:20 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.9º C.

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: MW-14-W-220224 (880-11718-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 880-20376 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 880-20710 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The following samples were diluted due to the nature of the sample matrix: MW-9-W-220224 (880-11718-3), WW-7-W-220224 (880-11718-4), WW-2-W-220224 (880-11718-5) and MW-29-W-220224 (880-11718-6) at 10.0, 10.0, 10.0 and 10.0. Elevated reporting limits (RLs) are provided.

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

GC Semi VOA
Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (880-11679-B-14-B). Evidence of matrix interferences is not obvious.

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

Metals
Method 6020A: The following sample(s) was diluted due to a high presence of Sodium, which interferes with the Internal Standards. Elevated reporting limits (RLs) are provided for Arsenic.

Method 6020A: The following sample(s) was diluted due to the presence of Sodium which interfered with the Internal Standard. Elevated reporting limits (RLs) are provided for Chromium and Manganese.

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

Field Service / Mobile Lab
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method 7196A: The following sample(s) was analyzed within analytical holding time. Flag due to to time zone change.

Method 7196A: The sample did not display the appropriate color change for hexavalent chromium, the recovery of .0041 is due to a possible iron interferent, therefore the data was reported as 0.

Case Narrative

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Job ID: 880-11718-1 (Continued)

Laboratory: Eurofins Midland (Continued)

Dup03-W-220224 (880-11718-10)

Method 7196A: The sample did not display the appropriate color change for hexavalent chromium, the recovery of .0051 is due to a possible iron interferent, therefore the data was reported as 0.

WW-2-W-220224 (880-11718-5)

Method 7196A: The sample did not display the appropriate color change for hexavalent chromium, the recovery of .0524 is due to a possible iron interferent, therefore the data was reported as 0.
MW-29-W-220224 (880-11718-6)

Method 7196A: The sample did not display the appropriate color change for hexavalent chromium, the recovery of .0090 is due to a possible iron interferent, therefore the data was reported as 0.

MW-34-W-220224 (880-11718-8)

Method 7196A: The sample did not display the appropriate color change for hexavalent chromium, the recovery of .0056 is due to a possible iron interferent, therefore the data was reported as 0.

MWD-15-W-220224 (880-11718-11)

Method 7196A: The sample did not display the appropriate color change for hexavalent chromium, the recovery of .0120 is due to a possible iron interferent, therefore the data was reported as 0.

RW-6-W-220224 (880-11718-19)

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

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

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

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MW-14-W-220224

Date Collected: 02/24/22 07:52
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-1

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/01/22 19:47	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/01/22 19:47	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/01/22 19:47	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/01/22 19:47	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/01/22 19:47	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/01/22 19:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*		*03/01/22 19:47*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*		*03/01/22 19:47*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.893	U	4.52	0.893	mg/L			03/01/22 13:41	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.893	U	4.52	0.893	mg/L		02/28/22 10:10	02/28/22 14:28	1
Diesel Range Organics (Over C10-C28)	<0.893	U	4.52	0.893	mg/L		02/28/22 10:10	02/28/22 14:28	1
Oil Range Organics (Over C28-C36)	<0.862	U	4.52	0.862	mg/L		02/28/22 10:10	02/28/22 14:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*02/28/22 10:10*	*02/28/22 14:28*	*1*
o-Terphenyl	*110*		*70 - 130*	*02/28/22 10:10*	*02/28/22 14:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**558**		5.00	2.00	mg/L			03/04/22 22:22	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00867**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 15:51	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 15:51	1
Iron	**0.0757**	**J**	0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 15:51	1
Manganese	**0.555**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 15:51	1
Barium	**0.0983**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 15:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1820**		100	100	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00273	U H	0.0100	0.00273	mg/L			02/25/22 08:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MW-30-W-220224

Date Collected: 02/24/22 08:29
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-2

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00119**	**J**	0.00200	0.000408	mg/L			03/01/22 20:14	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/01/22 20:14	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/01/22 20:14	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/01/22 20:14	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/01/22 20:14	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/01/22 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*		*03/01/22 20:14*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*		*03/01/22 20:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00119**	**J**	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.885	U	4.48	0.885	mg/L			03/01/22 13:41	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.885	U	4.48	0.885	mg/L		02/28/22 14:50	03/02/22 04:01	1
Diesel Range Organics (Over C10-C28)	<0.885	U	4.48	0.885	mg/L		02/28/22 14:50	03/02/22 04:01	1
Oil Range Organics (Over C28-C36)	<0.854	U	4.48	0.854	mg/L		02/28/22 14:50	03/02/22 04:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*02/28/22 14:50*	*03/02/22 04:01*	*1*
o-Terphenyl	*101*		*70 - 130*	*02/28/22 14:50*	*03/02/22 04:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**268**		5.00	2.00	mg/L			03/04/22 22:34	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00943**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 15:55	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 15:55	1
Iron	**0.177**		0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 15:55	1
Manganese	**0.492**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 15:55	1
Barium	**0.301**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 15:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1190**		100	100	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 08:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MW-9-W-220224

Date Collected: 02/24/22 09:12
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-3

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/03/22 02:46	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/03/22 02:46	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/03/22 02:46	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 02:46	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 02:46	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 02:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*		*03/03/22 02:46*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*		*03/03/22 02:46*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.887	U	4.49	0.887	mg/L			03/01/22 13:41	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.887	U	4.49	0.887	mg/L		02/28/22 10:10	02/28/22 15:52	1
Diesel Range Organics (Over C10-C28)	<0.887	U	4.49	0.887	mg/L		02/28/22 10:10	02/28/22 15:52	1
Oil Range Organics (Over C28-C36)	<0.856	U	4.49	0.856	mg/L		02/28/22 10:10	02/28/22 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*02/28/22 10:10*	*02/28/22 15:52*	*1*
o-Terphenyl	*116*		*70 - 130*	*02/28/22 10:10*	*02/28/22 15:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**208**		0.500	0.200	mg/L			03/04/22 22:46	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00619**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 16:33	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 16:33	1
Iron	**0.0436**	**J**	0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 16:33	1
Manganese	**0.215**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 16:33	1
Barium	**6.57**	**E**	0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 16:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1150**		100	100	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 08:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: WW-7-W-220224

Date Collected: 02/24/22 09:39
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-4

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00944**		0.00200	0.000408	mg/L			03/03/22 21:24	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/03/22 21:24	1
Ethylbenzene	**0.00596**		0.00200	0.000657	mg/L			03/03/22 21:24	1
m-Xylene & p-Xylene	**0.0353**		0.00400	0.000629	mg/L			03/03/22 21:24	1
o-Xylene	**0.0104**		0.00200	0.000642	mg/L			03/03/22 21:24	1
Xylenes, Total	**0.0457**		0.00400	0.000642	mg/L			03/03/22 21:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*		*03/03/22 21:24*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*		*03/03/22 21:24*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0611**		0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**0.889**	**J**	4.49	0.887	mg/L			03/01/22 13:41	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**0.889**	**J**	4.49	0.887	mg/L		02/28/22 10:10	02/28/22 16:12	1
Diesel Range Organics (Over C10-C28)	<0.887	U	4.49	0.887	mg/L		02/28/22 10:10	02/28/22 16:12	1
Oil Range Organics (Over C28-C36)	<0.856	U	4.49	0.856	mg/L		02/28/22 10:10	02/28/22 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*02/28/22 10:10*	*02/28/22 16:12*	*1*
o-Terphenyl	*122*		*70 - 130*	*02/28/22 10:10*	*02/28/22 16:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**248**		0.500	0.200	mg/L			03/04/22 23:46	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.000775**	**J**	0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 16:55	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 16:55	1
Iron	**8.96**		0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 16:55	1
Manganese	**0.725**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 16:55	1
Barium	**0.463**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 16:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**416**		50.0	50.0	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 08:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: WW-2-W-220224

Date Collected: 02/24/22 10:16
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-5

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0429**		0.00200	0.000408	mg/L			03/03/22 21:51	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/03/22 21:51	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/03/22 21:51	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 21:51	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 21:51	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 21:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*03/03/22 21:51*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*		*03/03/22 21:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0429**		0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.895	U	4.53	0.895	mg/L			03/01/22 13:41	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.895	U	4.53	0.895	mg/L		02/28/22 10:10	02/28/22 16:33	1
Diesel Range Organics (Over C10-C28)	<0.895	U	4.53	0.895	mg/L		02/28/22 10:10	02/28/22 16:33	1
Oil Range Organics (Over C28-C36)	<0.864	U	4.53	0.864	mg/L		02/28/22 10:10	02/28/22 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*02/28/22 10:10*	*02/28/22 16:33*	*1*
o-Terphenyl	*124*		*70 - 130*	*02/28/22 10:10*	*02/28/22 16:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**672**		5.00	2.00	mg/L			03/08/22 11:41	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00150**	**J**	0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 16:59	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 16:59	1
Iron	**2.58**		0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 16:59	1
Manganese	**0.307**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 16:59	1
Barium	**2.94**	**E**	0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 16:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1160**		100	100	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 08:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MW-29-W-220224

Date Collected: 02/24/22 10:56
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-6

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/04/22 06:00	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/04/22 06:00	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/04/22 06:00	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/04/22 06:00	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/04/22 06:00	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/04/22 06:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*		*03/04/22 06:00*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*		*03/04/22 06:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**2.33**	**J**	4.50	0.890	mg/L			03/01/22 13:41	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**2.33**	**J**	4.50	0.890	mg/L		02/28/22 10:10	02/28/22 16:53	1
Diesel Range Organics (Over C10-C28)	<0.890	U	4.50	0.890	mg/L		02/28/22 10:10	02/28/22 16:53	1
Oil Range Organics (Over C28-C36)	<0.859	U	4.50	0.859	mg/L		02/28/22 10:10	02/28/22 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*02/28/22 10:10*	*02/28/22 16:53*	*1*
o-Terphenyl	*109*		*70 - 130*	*02/28/22 10:10*	*02/28/22 16:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**356**		5.00	2.00	mg/L			03/05/22 00:34	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00276**	**J**	0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 17:02	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 17:02	1
Iron	**9.66**		0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 17:02	1
Manganese	**0.132**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 17:02	1
Barium	**7.50**	**E**	0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 17:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1370**		100	100	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 08:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MW-8-W-220224

Date Collected: 02/24/22 11:29
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-7

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/04/22 02:50	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/04/22 02:50	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/04/22 02:50	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/04/22 02:50	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/04/22 02:50	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/04/22 02:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*		*03/04/22 02:50*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*		*03/04/22 02:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.895	U	4.53	0.895	mg/L			03/01/22 13:41	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.895	U	4.53	0.895	mg/L		02/28/22 10:10	02/28/22 17:14	1
Diesel Range Organics (Over C10-C28)	<0.895	U	4.53	0.895	mg/L		02/28/22 10:10	02/28/22 17:14	1
Oil Range Organics (Over C28-C36)	<0.864	U	4.53	0.864	mg/L		02/28/22 10:10	02/28/22 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*02/28/22 10:10*	*02/28/22 17:14*	*1*
o-Terphenyl	*126*		*70 - 130*	*02/28/22 10:10*	*02/28/22 17:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**714**		5.00	2.00	mg/L			03/05/22 00:46	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0299**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 17:05	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 17:05	1
Iron	**2.89**		0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 17:05	1
Manganese	**0.413**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 17:05	1
Barium	**0.0767**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 17:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**2290**		200	200	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 08:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MW-34-W-220224

Date Collected: 02/24/22 12:09
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-8

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/04/22 04:12	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/04/22 04:12	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/04/22 04:12	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/04/22 04:12	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/04/22 04:12	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/04/22 04:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*		*03/04/22 04:12*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*		*03/04/22 04:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**2.48**	**J**	4.52	0.893	mg/L			03/01/22 13:41	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**1.43**	**J**	4.52	0.893	mg/L		02/28/22 10:10	02/28/22 17:36	1
Diesel Range Organics (Over C10-C28)	**1.05**	**J**	4.52	0.893	mg/L		02/28/22 10:10	02/28/22 17:36	1
Oil Range Organics (Over C28-C36)	<0.862	U	4.52	0.862	mg/L		02/28/22 10:10	02/28/22 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*02/28/22 10:10*	*02/28/22 17:36*	*1*
o-Terphenyl	*113*		*70 - 130*	*02/28/22 10:10*	*02/28/22 17:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**261**		5.00	2.00	mg/L			03/05/22 00:58	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00105**	**J**	0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 17:08	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 17:08	1
Iron	**5.56**		0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 17:08	1
Manganese	**0.116**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 17:08	1
Barium	**4.41**	**E**	0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 17:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1520**		100	100	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 08:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MWD-6-W-220224

Date Collected: 02/24/22 12:57
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-9

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/04/22 04:39	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/04/22 04:39	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/04/22 04:39	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/04/22 04:39	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/04/22 04:39	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/04/22 04:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*		*03/04/22 04:39*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*		*03/04/22 04:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.895	U	4.53	0.895	mg/L			03/01/22 13:41	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.895	U	4.53	0.895	mg/L		02/28/22 10:10	02/28/22 17:57	1
Diesel Range Organics (Over C10-C28)	<0.895	U	4.53	0.895	mg/L		02/28/22 10:10	02/28/22 17:57	1
Oil Range Organics (Over C28-C36)	<0.864	U	4.53	0.864	mg/L		02/28/22 10:10	02/28/22 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*02/28/22 10:10*	*02/28/22 17:57*	*1*
o-Terphenyl	*110*		*70 - 130*	*02/28/22 10:10*	*02/28/22 17:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**166**		0.500	0.200	mg/L			03/05/22 01:10	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00390**	**J**	0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 17:11	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 17:11	1
Iron	**1.39**		0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 17:11	1
Manganese	**0.257**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 17:11	1
Barium	**1.13**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 17:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1100**		100	100	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 08:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: Dup03-W-220224

Date Collected: 02/24/22 00:00
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-10

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/04/22 05:06	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/04/22 05:06	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/04/22 05:06	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/04/22 05:06	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/04/22 05:06	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/04/22 05:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*		*03/04/22 05:06*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*		*03/04/22 05:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**2.15**	**J**	4.46	0.882	mg/L			03/01/22 13:41	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**1.08**	**J**	4.46	0.882	mg/L		02/28/22 10:10	02/28/22 18:18	1
Diesel Range Organics (Over C10-C28)	**1.07**	**J**	4.46	0.882	mg/L		02/28/22 10:10	02/28/22 18:18	1
Oil Range Organics (Over C28-C36)	<0.851	U	4.46	0.851	mg/L		02/28/22 10:10	02/28/22 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*02/28/22 10:10*	*02/28/22 18:18*	*1*
o-Terphenyl	*118*		*70 - 130*	*02/28/22 10:10*	*02/28/22 18:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**252**		5.00	2.00	mg/L			03/05/22 01:22	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.000995**	**J**	0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 17:15	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 17:15	1
Iron	**5.44**		0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 17:15	1
Manganese	**0.114**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 17:15	1
Barium	**4.38**	**E**	0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 17:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1570**		100	100	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00273	U H	0.0100	0.00273	mg/L			02/25/22 08:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MWD-15-W-220224

Date Collected: 02/24/22 09:35
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-11

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/04/22 05:33	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/04/22 05:33	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/04/22 05:33	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/04/22 05:33	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/04/22 05:33	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/04/22 05:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*		*03/04/22 05:33*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*		*03/04/22 05:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**3.57**	**J**	4.46	0.882	mg/L			03/01/22 13:41	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**2.40**	**J**	4.46	0.882	mg/L		02/28/22 10:10	02/28/22 19:00	1
Diesel Range Organics (Over C10-C28)	**1.17**	**J**	4.46	0.882	mg/L		02/28/22 10:10	02/28/22 19:00	1
Oil Range Organics (Over C28-C36)	<0.851	U	4.46	0.851	mg/L		02/28/22 10:10	02/28/22 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*02/28/22 10:10*	*02/28/22 19:00*	*1*
o-Terphenyl	*119*		*70 - 130*	*02/28/22 10:10*	*02/28/22 19:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1280**		5.00	2.00	mg/L			03/05/22 01:34	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00676**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 17:18	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 17:18	1
Iron	**8.45**		0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 17:18	1
Manganese	**0.106**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 17:18	1
Barium	**2.89**	**E**	0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 17:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**4240**		200	200	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 09:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MWD-1-W-220224

Date Collected: 02/24/22 10:08
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-12

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/04/22 03:17	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/04/22 03:17	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/04/22 03:17	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/04/22 03:17	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/04/22 03:17	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/04/22 03:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*		*03/04/22 03:17*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*		*03/04/22 03:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.895	U	4.53	0.895	mg/L			03/01/22 13:41	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.895	U	4.53	0.895	mg/L		02/28/22 10:10	02/28/22 19:22	1
Diesel Range Organics (Over C10-C28)	<0.895	U	4.53	0.895	mg/L		02/28/22 10:10	02/28/22 19:22	1
Oil Range Organics (Over C28-C36)	<0.864	U	4.53	0.864	mg/L		02/28/22 10:10	02/28/22 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*02/28/22 10:10*	*02/28/22 19:22*	*1*
o-Terphenyl	*114*		*70 - 130*	*02/28/22 10:10*	*02/28/22 19:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**465**		5.00	2.00	mg/L			03/05/22 02:10	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0416**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 17:21	1
Chromium	**0.00305**	**J**	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 17:21	1
Iron	<0.0227	U	0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 17:21	1
Manganese	**0.00982**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 17:21	1
Barium	**0.0477**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 17:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1560**		100	100	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 09:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MW-17-W-220224

Date Collected: 02/24/22 10:45
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-13

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/04/22 03:44	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/04/22 03:44	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/04/22 03:44	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/04/22 03:44	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/04/22 03:44	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/04/22 03:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*		*03/04/22 03:44*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*		*03/04/22 03:44*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.895	U	4.53	0.895	mg/L			03/01/22 13:41	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.895	U	4.53	0.895	mg/L		02/28/22 10:10	02/28/22 19:43	1
Diesel Range Organics (Over C10-C28)	<0.895	U	4.53	0.895	mg/L		02/28/22 10:10	02/28/22 19:43	1
Oil Range Organics (Over C28-C36)	<0.864	U	4.53	0.864	mg/L		02/28/22 10:10	02/28/22 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*02/28/22 10:10*	*02/28/22 19:43*	*1*
o-Terphenyl	*118*		*70 - 130*	*02/28/22 10:10*	*02/28/22 19:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**874**		5.00	2.00	mg/L			03/05/22 02:22	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00967**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 17:24	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 17:24	1
Iron	**0.241**		0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 17:24	1
Manganese	**0.415**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 17:24	1
Barium	**0.156**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 17:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**2190**		200	200	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 09:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MWD-7-W-220224

Date Collected: 02/24/22 11:10
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-14

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/03/22 12:07	1
Toluene	<0.000367	U F1	0.00200	0.000367	mg/L			03/03/22 12:07	1
Ethylbenzene	<0.000657	U F1	0.00200	0.000657	mg/L			03/03/22 12:07	1
m-Xylene & p-Xylene	<0.000629	U F1	0.00400	0.000629	mg/L			03/03/22 12:07	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 12:07	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 12:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*		*03/03/22 12:07*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*		*03/03/22 12:07*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.898	U	4.55	0.898	mg/L			03/01/22 13:41	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.898	U	4.55	0.898	mg/L		02/28/22 10:10	02/28/22 20:04	1
Diesel Range Organics (Over C10-C28)	<0.898	U	4.55	0.898	mg/L		02/28/22 10:10	02/28/22 20:04	1
Oil Range Organics (Over C28-C36)	<0.867	U	4.55	0.867	mg/L		02/28/22 10:10	02/28/22 20:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*02/28/22 10:10*	*02/28/22 20:04*	*1*
o-Terphenyl	*116*		*70 - 130*	*02/28/22 10:10*	*02/28/22 20:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7120**		50.0	20.0	mg/L			03/05/22 02:34	100

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0147**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 17:34	1
Chromium	<0.00525	U	0.0400	0.00525	mg/L		03/01/22 09:25	03/01/22 18:18	10
Iron	<0.227	U	1.00	0.227	mg/L		03/01/22 09:25	03/02/22 13:45	10
Manganese	**0.242**		0.0200	0.00199	mg/L		03/01/22 09:25	03/01/22 18:18	10
Barium	**0.0458**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 17:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**10800**		500	500	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 09:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MWD-3-W-220224

Date Collected: 02/24/22 11:45
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-15

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.95**		0.200	0.0408	mg/L			03/04/22 07:50	100
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/03/22 13:53	1
Ethylbenzene	**0.00139**	**J**	0.00200	0.000657	mg/L			03/03/22 13:53	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 13:53	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 13:53	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*03/03/22 13:53*	*1*
1,4-Difluorobenzene (Surr)	*162*	*S1+*	*70 - 130*		*03/03/22 13:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**1.95**		0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1.65**	**J**	4.49	0.887	mg/L			03/01/22 13:41	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**1.65**	**J**	4.49	0.887	mg/L		02/28/22 10:10	02/28/22 20:25	1
Diesel Range Organics (Over C10-C28)	<0.887	U	4.49	0.887	mg/L		02/28/22 10:10	02/28/22 20:25	1
Oil Range Organics (Over C28-C36)	<0.856	U	4.49	0.856	mg/L		02/28/22 10:10	02/28/22 20:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*02/28/22 10:10*	*02/28/22 20:25*	*1*
o-Terphenyl	*120*		*70 - 130*	*02/28/22 10:10*	*02/28/22 20:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20500**		50.0	20.0	mg/L			03/05/22 03:46	100

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0489**		0.0400	0.00246	mg/L		03/01/22 09:25	03/01/22 18:21	10
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 17:37	1
Iron	**7.14**		0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 17:37	1
Manganese	**0.225**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 17:37	1
Barium	**3.07**		0.0400	0.00484	mg/L		03/01/22 09:25	03/01/22 18:21	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**33000**		1000	1000	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 09:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MWD-17-W-220224

Date Collected: 02/24/22 12:45
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-16

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0238**		0.00200	0.000408	mg/L			03/03/22 14:20	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/03/22 14:20	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/03/22 14:20	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 14:20	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 14:20	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*03/03/22 14:20*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*		*03/03/22 14:20*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0238**		0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1.52**	**J**	4.49	0.887	mg/L			03/01/22 13:41	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**1.52**	**J**	4.49	0.887	mg/L		02/28/22 10:10	02/28/22 20:46	1
Diesel Range Organics (Over C10-C28)	<0.887	U	4.49	0.887	mg/L		02/28/22 10:10	02/28/22 20:46	1
Oil Range Organics (Over C28-C36)	<0.856	U	4.49	0.856	mg/L		02/28/22 10:10	02/28/22 20:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*02/28/22 10:10*	*02/28/22 20:46*	*1*
o-Terphenyl	*119*		*70 - 130*	*02/28/22 10:10*	*02/28/22 20:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5520**		50.0	20.0	mg/L			03/05/22 03:58	100

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0596**		0.0400	0.00246	mg/L		03/01/22 09:25	03/01/22 18:25	10
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 17:40	1
Iron	**2.97**		0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 17:40	1
Manganese	**0.153**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 17:40	1
Barium	**0.325**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 17:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**11400**		500	500	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 09:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MW-22-W-220224
Date Collected: 02/24/22 12:08
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-17
Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00169**	**J**	0.00200	0.000408	mg/L			03/03/22 14:46	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/03/22 14:46	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/03/22 14:46	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 14:46	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 14:46	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 14:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*03/03/22 14:46*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*		*03/03/22 14:46*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00169**	**J**	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1.34**	**J**	4.48	0.885	mg/L			03/01/22 13:41	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**1.34**	**J**	4.48	0.885	mg/L		02/28/22 10:10	02/28/22 21:07	1
Diesel Range Organics (Over C10-C28)	<0.885	U	4.48	0.885	mg/L		02/28/22 10:10	02/28/22 21:07	1
Oil Range Organics (Over C28-C36)	<0.854	U	4.48	0.854	mg/L		02/28/22 10:10	02/28/22 21:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*02/28/22 10:10*	*02/28/22 21:07*	*1*
o-Terphenyl	*126*		*70 - 130*	*02/28/22 10:10*	*02/28/22 21:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2510**		5.00	2.00	mg/L			03/05/22 04:10	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0451**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 17:43	1
Chromium	**0.000999**	**J**	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 17:43	1
Iron	**4.57**		0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 17:43	1
Manganese	**0.0246**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 17:43	1
Barium	**1.05**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 17:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**6620**		500	500	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 09:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: RW-7-W-220224

Date Collected: 02/24/22 13:20
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-18

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/03/22 12:34	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/03/22 12:34	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/03/22 12:34	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 12:34	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 12:34	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 12:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*9*	*S1-*	*70 - 130*		*03/03/22 12:34*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*		*03/03/22 12:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.885	U	4.48	0.885	mg/L			03/01/22 13:41	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.885	U	4.48	0.885	mg/L		02/28/22 10:10	02/28/22 21:29	1
Diesel Range Organics (Over C10-C28)	<0.885	U	4.48	0.885	mg/L		02/28/22 10:10	02/28/22 21:29	1
Oil Range Organics (Over C28-C36)	<0.854	U	4.48	0.854	mg/L		02/28/22 10:10	02/28/22 21:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*02/28/22 10:10*	*02/28/22 21:29*	*1*
o-Terphenyl	*126*		*70 - 130*	*02/28/22 10:10*	*02/28/22 21:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3210**		5.00	2.00	mg/L			03/05/22 04:22	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00670**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 17:47	1
Chromium	**0.000917**	**J**	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 17:47	1
Iron	<0.0227	U	0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 17:47	1
Manganese	**0.0330**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 17:47	1
Barium	**0.0762**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 17:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**8230**		500	500	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 09:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: RW-6-W-220224

Date Collected: 02/24/22 13:48
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-19

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/03/22 15:13	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/03/22 15:13	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/03/22 15:13	1
m-Xylene & p-Xylene	**0.00236**	**J**	0.00400	0.000629	mg/L			03/03/22 15:13	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 15:13	1
Xylenes, Total	**0.00236**	**J**	0.00400	0.000642	mg/L			03/03/22 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*		*03/03/22 15:13*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*		*03/03/22 15:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00236**	**J**	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**2.42**	**J**	4.45	0.880	mg/L			03/01/22 13:41	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**1.32**	**J**	4.45	0.880	mg/L		02/28/22 10:10	02/28/22 21:51	1
Diesel Range Organics (Over C10-C28)	**1.10**	**J**	4.45	0.880	mg/L		02/28/22 10:10	02/28/22 21:51	1
Oil Range Organics (Over C28-C36)	<0.849	U	4.45	0.849	mg/L		02/28/22 10:10	02/28/22 21:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*02/28/22 10:10*	*02/28/22 21:51*	*1*
o-Terphenyl	*125*		*70 - 130*	*02/28/22 10:10*	*02/28/22 21:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**986**		5.00	2.00	mg/L			03/05/22 04:34	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00404**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 17:50	1
Chromium	**0.000732**	**J**	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 17:50	1
Iron	**3.89**		0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 17:50	1
Manganese	**0.0309**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 17:50	1
Barium	**1.60**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 17:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**2860**		200	200	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 09:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MWD-12-W-220224

Date Collected: 02/24/22 14:40
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-20

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/03/22 15:39	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/03/22 15:39	1
Ethylbenzene	**0.0993**		0.00200	0.000657	mg/L			03/03/22 15:39	1
m-Xylene & p-Xylene	**0.00640**		0.00400	0.000629	mg/L			03/03/22 15:39	1
o-Xylene	**0.00277**		0.00200	0.000642	mg/L			03/03/22 15:39	1
Xylenes, Total	**0.00917**		0.00400	0.000642	mg/L			03/03/22 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*03/03/22 15:39*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*		*03/03/22 15:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.108**		0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**2.93**	**J**	4.48	0.885	mg/L			03/01/22 13:41	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**1.53**	**J**	4.48	0.885	mg/L		02/28/22 10:10	02/28/22 22:14	1
Diesel Range Organics (Over C10-C28)	**1.40**	**J**	4.48	0.885	mg/L		02/28/22 10:10	02/28/22 22:14	1
Oil Range Organics (Over C28-C36)	<0.854	U	4.48	0.854	mg/L		02/28/22 10:10	02/28/22 22:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*02/28/22 10:10*	*02/28/22 22:14*	*1*
o-Terphenyl	*106*		*70 - 130*	*02/28/22 10:10*	*02/28/22 22:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1370**		5.00	2.00	mg/L			03/05/22 04:46	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0415**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 17:53	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 17:53	1
Iron	**0.525**		0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 17:53	1
Manganese	**0.0970**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 17:53	1
Barium	**0.257**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 17:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**4830**		200	200	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 09:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MWD-5-W-220224

Date Collected: 02/24/22 13:35
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-21

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3.45		0.400	0.0816	mg/L			03/04/22 08:17	200
Toluene	0.00160	J	0.00200	0.000367	mg/L			03/03/22 16:06	1
Ethylbenzene	0.00745		0.00200	0.000657	mg/L			03/03/22 16:06	1
m-Xylene & p-Xylene	0.00141	J	0.00400	0.000629	mg/L			03/03/22 16:06	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 16:06	1
Xylenes, Total	0.00141	J	0.00400	0.000642	mg/L			03/03/22 16:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*03/03/22 16:06*	*1*
1,4-Difluorobenzene (Surr)	*174*	*S1+*	*70 - 130*		*03/03/22 16:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	3.46		0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	19.2		4.45	0.880	mg/L			03/01/22 13:41	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.1		4.45	0.880	mg/L		02/28/22 14:50	03/02/22 04:22	1
Diesel Range Organics (Over C10-C28)	4.10	J	4.45	0.880	mg/L		02/28/22 14:50	03/02/22 04:22	1
Oil Range Organics (Over C28-C36)	<0.849	U	4.45	0.849	mg/L		02/28/22 14:50	03/02/22 04:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*02/28/22 14:50*	*03/02/22 04:22*	*1*
o-Terphenyl	*107*		*70 - 130*	*02/28/22 14:50*	*03/02/22 04:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	634		5.00	2.00	mg/L			03/05/22 04:58	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0119		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 17:56	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 17:56	1
Iron	5.17		0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 17:56	1
Manganese	0.253		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 17:56	1
Barium	7.61	E	0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 17:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2300		200	200	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 09:45	1

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-11718-1	MW-14-W-220224	139 S1+	110
880-11718-2	MW-30-W-220224	119	100
880-11718-3	MW-9-W-220224	88	92
880-11718-4	WW-7-W-220224	139 S1+	92
880-11718-5	WW-2-W-220224	92	106
880-11718-6	MW-29-W-220224	88	102
880-11718-7	MW-8-W-220224	79	96
880-11718-8	MW-34-W-220224	84	101
880-11718-9	MWD-6-W-220224	84	97
880-11718-10	Dup03-W-220224	79	89
880-11718-11	MWD-15-W-220224	85	110
880-11718-12	MWD-1-W-220224	76	98
880-11718-13	MW-17-W-220224	80	108
880-11718-14	MWD-7-W-220224	91	104
880-11718-14 MS	MWD-7-W-220224	73	93
880-11718-14 MSD	MWD-7-W-220224	87	105
880-11718-15	MWD-3-W-220224	106	162 S1+
880-11718-16	MWD-17-W-220224	108	100
880-11718-17	MW-22-W-220224	92	107
880-11718-18	RW-7-W-220224	9 S1-	108
880-11718-19	RW-6-W-220224	87	100
880-11718-20	MWD-12-W-220224	103	105
880-11718-21	MWD-5-W-220224	100	174 S1+
LCS 880-20575/3	Lab Control Sample	97	81
LCS 880-20657/34	Lab Control Sample	96	102
LCS 880-20710/34	Lab Control Sample	88	111
LCS 880-20710/65	Lab Control Sample	78	100
LCS 880-20858/3	Lab Control Sample	87	117
LCSD 880-20575/4	Lab Control Sample Dup	102	109
LCSD 880-20657/35	Lab Control Sample Dup	99	104
LCSD 880-20710/35	Lab Control Sample Dup	82	103
LCSD 880-20710/66	Lab Control Sample Dup	76	101
LCSD 880-20858/4	Lab Control Sample Dup	91	120
MB 880-20437/5-A	Method Blank	97	99
MB 880-20575/8	Method Blank	82	81
MB 880-20605/5-A	Method Blank	49 S1-	101
MB 880-20657/64	Method Blank	101	98
MB 880-20710/39	Method Blank	47 S1-	103
MB 880-20710/70	Method Blank	49 S1-	111
MB 880-20858/8	Method Blank	47 S1-	106

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: ARCADIS U.S., Inc. Job ID: 880-11718-1
Project/Site: Eunice Project-S.Eunice SDG: 30049612

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-11718-1	MW-14-W-220224	105	110
880-11718-2	MW-30-W-220224	99	101
880-11718-3	MW-9-W-220224	110	116
880-11718-4	WW-7-W-220224	113	122
880-11718-5	WW-2-W-220224	113	124
880-11718-6	MW-29-W-220224	105	109
880-11718-7	MW-8-W-220224	117	126
880-11718-8	MW-34-W-220224	106	113
880-11718-9	MWD-6-W-220224	104	110
880-11718-10	Dup03-W-220224	110	118
880-11718-11	MWD-15-W-220224	110	119
880-11718-12	MWD-1-W-220224	106	114
880-11718-13	MW-17-W-220224	110	118
880-11718-14	MWD-7-W-220224	107	116
880-11718-15	MWD-3-W-220224	109	120
880-11718-16	MWD-17-W-220224	110	119
880-11718-17	MW-22-W-220224	115	126
880-11718-18	RW-7-W-220224	115	126
880-11718-19	RW-6-W-220224	111	125
880-11718-20	MWD-12-W-220224	98	106
880-11718-21	MWD-5-W-220224	104	107
880-11718-F-1-A MS	880-11718-F-1-A MS	110	106
880-11718-F-1-B MSD	880-11718-F-1-B MSD	102	93
LCS 880-20438/2-A	Lab Control Sample	468 S1+	476 S1+
LCS 880-20527/2-A	Lab Control Sample	106	94
LCSD 880-20438/3-A	Lab Control Sample Dup	451 S1+	459 S1+
LCSD 880-20527/3-A	Lab Control Sample Dup	103	97
MB 880-20438/1-A	Method Blank	106	115
MB 880-20527/1-A	Method Blank	121	128

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-20437/5-A
Matrix: Water
Analysis Batch: 20657

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20437

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L		03/02/22 08:00	03/02/22 10:49	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L		03/02/22 08:00	03/02/22 10:49	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L		03/02/22 08:00	03/02/22 10:49	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L		03/02/22 08:00	03/02/22 10:49	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L		03/02/22 08:00	03/02/22 10:49	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L		03/02/22 08:00	03/02/22 10:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/02/22 08:00*	*03/02/22 10:49*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*03/02/22 08:00*	*03/02/22 10:49*	*1*

Lab Sample ID: MB 880-20575/8
Matrix: Water
Analysis Batch: 20575

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/01/22 04:23	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/01/22 04:23	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/01/22 04:23	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/01/22 04:23	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/01/22 04:23	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/01/22 04:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*		*03/01/22 04:23*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*		*03/01/22 04:23*	*1*

Lab Sample ID: LCS 880-20575/3
Matrix: Water
Analysis Batch: 20575

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08604		mg/L		86	70 - 130
Toluene	0.100	0.08462		mg/L		85	70 - 130
Ethylbenzene	0.100	0.07976		mg/L		80	70 - 130
m-Xylene & p-Xylene	0.200	0.1757		mg/L		88	70 - 130
o-Xylene	0.100	0.09567		mg/L		96	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*

Lab Sample ID: LCSD 880-20575/4
Matrix: Water
Analysis Batch: 20575

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08642		mg/L		86	70 - 130	0	20

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

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

Lab Sample ID: LCSD 880-20575/4
Matrix: Water
Analysis Batch: 20575

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.08254		mg/L		83	70 - 130	2	20
Ethylbenzene			0.100	0.08481		mg/L		85	70 - 130	6	20
m-Xylene & p-Xylene			0.200	0.1762		mg/L		88	70 - 130	0	20
o-Xylene			0.100	0.09197		mg/L		92	70 - 130	4	20

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

Lab Sample ID: MB 880-20605/5-A
Matrix: Water
Analysis Batch: 20710

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20605

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L		03/02/22 16:00	03/02/22 20:20	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L		03/02/22 16:00	03/02/22 20:20	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L		03/02/22 16:00	03/02/22 20:20	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L		03/02/22 16:00	03/02/22 20:20	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L		03/02/22 16:00	03/02/22 20:20	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L		03/02/22 16:00	03/02/22 20:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*49*	*S1-*	*70 - 130*	*03/02/22 16:00*	*03/02/22 20:20*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*03/02/22 16:00*	*03/02/22 20:20*	*1*

Lab Sample ID: MB 880-20657/64
Matrix: Water
Analysis Batch: 20657

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/02/22 23:34	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/02/22 23:34	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/02/22 23:34	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/02/22 23:34	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/02/22 23:34	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/02/22 23:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*03/02/22 23:34*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*		*03/02/22 23:34*	*1*

Lab Sample ID: LCS 880-20657/34
Matrix: Water
Analysis Batch: 20657

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene			0.100	0.09931		mg/L		99	70 - 130
Toluene			0.100	0.09064		mg/L		91	70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

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

Lab Sample ID: LCS 880-20657/34
Matrix: Water
Analysis Batch: 20657

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.100	0.09039		mg/L		90	70 - 130
m-Xylene & p-Xylene	0.200	0.2089		mg/L		104	70 - 130
o-Xylene	0.100	0.1045		mg/L		105	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-20657/35
Matrix: Water
Analysis Batch: 20657

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1045		mg/L		104	70 - 130	5	20
Toluene	0.100	0.09490		mg/L		95	70 - 130	5	20
Ethylbenzene	0.100	0.09416		mg/L		94	70 - 130	4	20
m-Xylene & p-Xylene	0.200	0.2166		mg/L		108	70 - 130	4	20
o-Xylene	0.100	0.1086		mg/L		109	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: MB 880-20710/39
Matrix: Water
Analysis Batch: 20710

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/03/22 11:41	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/03/22 11:41	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/03/22 11:41	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 11:41	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 11:41	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 11:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*47*	*S1-*	*70 - 130*		*03/03/22 11:41*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*		*03/03/22 11:41*	*1*

Lab Sample ID: MB 880-20710/70
Matrix: Water
Analysis Batch: 20710

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/04/22 01:28	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/04/22 01:28	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/04/22 01:28	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/04/22 01:28	1

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

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

Lab Sample ID: MB 880-20710/70
Matrix: Water
Analysis Batch: 20710

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/04/22 01:28	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/04/22 01:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*49*	*S1-*	*70 - 130*		*03/04/22 01:28*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*		*03/04/22 01:28*	*1*

Lab Sample ID: LCS 880-20710/34
Matrix: Water
Analysis Batch: 20710

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09762		mg/L		98	70 - 130
Toluene	0.100	0.08487		mg/L		85	70 - 130
Ethylbenzene	0.100	0.09152		mg/L		92	70 - 130
m-Xylene & p-Xylene	0.200	0.1865		mg/L		93	70 - 130
o-Xylene	0.100	0.09212		mg/L		92	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: LCS 880-20710/65
Matrix: Water
Analysis Batch: 20710

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07567		mg/L		76	70 - 130
Toluene	0.100	0.07095		mg/L		71	70 - 130
Ethylbenzene	0.100	0.07416		mg/L		74	70 - 130
m-Xylene & p-Xylene	0.200	0.1503		mg/L		75	70 - 130
o-Xylene	0.100	0.07581		mg/L		76	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-20710/35
Matrix: Water
Analysis Batch: 20710

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08941		mg/L		89	70 - 130	9	20
Toluene	0.100	0.07883		mg/L		79	70 - 130	7	20
Ethylbenzene	0.100	0.08480		mg/L		85	70 - 130	8	20
m-Xylene & p-Xylene	0.200	0.1735		mg/L		87	70 - 130	7	20
o-Xylene	0.100	0.08676		mg/L		87	70 - 130	6	20

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

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

Lab Sample ID: LCSD 880-20710/35
Matrix: Water
Analysis Batch: 20710

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	82		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-20710/66
Matrix: Water
Analysis Batch: 20710

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.07654		mg/L		77	70 - 130	1	20
Toluene			0.100	0.07112		mg/L		71	70 - 130	0	20
Ethylbenzene			0.100	0.07639		mg/L		76	70 - 130	3	20
m-Xylene & p-Xylene			0.200	0.1548		mg/L		77	70 - 130	3	20
o-Xylene			0.100	0.07908		mg/L		79	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	76		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-11718-14 MS
Matrix: Water
Analysis Batch: 20710

Client Sample ID: MWD-7-W-220224
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.000408	U	0.100	0.07669		mg/L		77	70 - 130		
Toluene	<0.000367	U F1	0.100	0.06537	F1	mg/L		65	70 - 130		
Ethylbenzene	<0.000657	U F1	0.100	0.06805	F1	mg/L		68	70 - 130		
m-Xylene & p-Xylene	<0.000629	U F1	0.200	0.1379	F1	mg/L		69	70 - 130		
o-Xylene	<0.000642	U	0.100	0.07130		mg/L		71	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	73		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 880-11718-14 MSD
Matrix: Water
Analysis Batch: 20710

Client Sample ID: MWD-7-W-220224
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.000408	U	0.100	0.09155		mg/L		92	70 - 130	18	25
Toluene	<0.000367	U F1	0.100	0.07626		mg/L		76	70 - 130	15	25
Ethylbenzene	<0.000657	U F1	0.100	0.07949		mg/L		79	70 - 130	16	25
m-Xylene & p-Xylene	<0.000629	U F1	0.200	0.1622		mg/L		81	70 - 130	16	25
o-Xylene	<0.000642	U	0.100	0.08206		mg/L		82	70 - 130	14	25

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

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

Lab Sample ID: MB 880-20858/8
Matrix: Water
Analysis Batch: 20858

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/04/22 14:41	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/04/22 14:41	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/04/22 14:41	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/04/22 14:41	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/04/22 14:41	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/04/22 14:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*47*	*S1-*	*70 - 130*		*03/04/22 14:41*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*		*03/04/22 14:41*	*1*

Lab Sample ID: LCS 880-20858/3
Matrix: Water
Analysis Batch: 20858

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1050		mg/L		105	70 - 130		
Toluene			0.100	0.09694		mg/L		97	70 - 130		
Ethylbenzene			0.100	0.1018		mg/L		102	70 - 130		
m-Xylene & p-Xylene			0.200	0.2088		mg/L		104	70 - 130		
o-Xylene			0.100	0.1023		mg/L		102	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*

Lab Sample ID: LCSD 880-20858/4
Matrix: Water
Analysis Batch: 20858

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1118		mg/L		112	70 - 130	6	20
Toluene			0.100	0.09900		mg/L		99	70 - 130	2	20
Ethylbenzene			0.100	0.1053		mg/L		105	70 - 130	3	20
m-Xylene & p-Xylene			0.200	0.2131		mg/L		107	70 - 130	2	20
o-Xylene			0.100	0.1032		mg/L		103	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-20438/1-A
Matrix: Water
Analysis Batch: 20435

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20438

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.904	U	4.57	0.904	mg/L		02/28/22 10:10	02/28/22 13:02	1
Diesel Range Organics (Over C10-C28)	<0.904	U	4.57	0.904	mg/L		02/28/22 10:10	02/28/22 13:02	1
Oil Range Organics (Over C28-C36)	1.807	J	4.57	0.872	mg/L		02/28/22 10:10	02/28/22 13:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*02/28/22 10:10*	*02/28/22 13:02*	*1*
o-Terphenyl	*115*		*70 - 130*	*02/28/22 10:10*	*02/28/22 13:02*	*1*

Lab Sample ID: LCS 880-20438/2-A
Matrix: Water
Analysis Batch: 20435

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20438

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	91.7	79.12		mg/L		86	75 - 125
Diesel Range Organics (Over C10-C28)	91.7	81.37		mg/L		89	75 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*468*	*S1+*	*70 - 130*
o-Terphenyl	*476*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-20438/3-A
Matrix: Water
Analysis Batch: 20435

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 20438

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	92.0	73.49		mg/L		80	75 - 125	7	20
Diesel Range Organics (Over C10-C28)	92.0	78.43		mg/L		85	75 - 125	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*451*	*S1+*	*70 - 130*
o-Terphenyl	*459*	*S1+*	*70 - 130*

Lab Sample ID: 880-11718-F-1-A MS
Matrix: Water
Analysis Batch: 20435

Client Sample ID: 880-11718-F-1-A MS
Prep Type: Total/NA
Prep Batch: 20438

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	0.6792		90.4	96.08		mg/L		106	75 - 125
Diesel Range Organics (Over C10-C28)	0.5086		90.4	100.2		mg/L		111	75 - 125

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-11718-F-1-A MS
Matrix: Water
Analysis Batch: 20435

Client Sample ID: 880-11718-F-1-A MS
Prep Type: Total/NA
Prep Batch: 20438

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	106		70 - 130

Lab Sample ID: 880-11718-F-1-B MSD
Matrix: Water
Analysis Batch: 20435

Client Sample ID: 880-11718-F-1-B MSD
Prep Type: Total/NA
Prep Batch: 20438

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	0.6792		90.6	90.60		mg/L		100	75 - 125	6	20
Diesel Range Organics (Over C10-C28)	0.5086		90.6	90.59		mg/L		100	75 - 125	10	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	93		70 - 130

Lab Sample ID: MB 880-20527/1-A
Matrix: Water
Analysis Batch: 20580

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20527

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.904	U	4.57	0.904	mg/L		02/28/22 14:50	03/01/22 19:50	1
Diesel Range Organics (Over C10-C28)	<0.904	U	4.57	0.904	mg/L		02/28/22 14:50	03/01/22 19:50	1
Oil Range Organics (Over C28-C36)	<0.872	U	4.57	0.872	mg/L		02/28/22 14:50	03/01/22 19:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	02/28/22 14:50	03/01/22 19:50	1
o-Terphenyl	128		70 - 130	02/28/22 14:50	03/01/22 19:50	1

Lab Sample ID: LCS 880-20527/2-A
Matrix: Water
Analysis Batch: 20580

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20527

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	91.7	80.46		mg/L		88	75 - 125
Diesel Range Organics (Over C10-C28)	91.7	80.46		mg/L		88	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	94		70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-20527/3-A
Matrix: Water
Analysis Batch: 20580

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 20527

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			92.0	79.70		mg/L		87	75 - 125	1	20
Diesel Range Organics (Over C10-C28)			92.0	82.50		mg/L		90	75 - 125	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*103*		*70 - 130*
o-Terphenyl	*97*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-43703/51
Matrix: Water
Analysis Batch: 43703

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.200	U	0.500	0.200	mg/L			03/04/22 18:57	1

Lab Sample ID: MB 860-43703/79
Matrix: Water
Analysis Batch: 43703

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.200	U	0.500	0.200	mg/L			03/05/22 03:10	1

Lab Sample ID: LCS 860-43703/52
Matrix: Water
Analysis Batch: 43703

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			10.0	9.958		mg/L		100	90 - 110		

Lab Sample ID: LCS 860-43703/80
Matrix: Water
Analysis Batch: 43703

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			10.0	9.637		mg/L		96	90 - 110		

Lab Sample ID: LCSD 860-43703/53
Matrix: Water
Analysis Batch: 43703

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			10.0	9.955		mg/L		100	90 - 110	0	20

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 860-43703/81
Matrix: Water
Analysis Batch: 43703

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			10.0	9.992		mg/L		100	90 - 110	4	20

Lab Sample ID: 880-11718-3 MS
Matrix: Water
Analysis Batch: 43703

Client Sample ID: MW-9-W-220224
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	208		10.0	217.0	4	mg/L		87	90 - 110

Lab Sample ID: 880-11718-3 MSD
Matrix: Water
Analysis Batch: 43703

Client Sample ID: MW-9-W-220224
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	208		10.0	217.2	4	mg/L		89	90 - 110	0	20

Lab Sample ID: 880-11718-4 MS
Matrix: Water
Analysis Batch: 43703

Client Sample ID: WW-7-W-220224
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	248		10.0	257.1	4	mg/L		90	90 - 110

Lab Sample ID: 880-11718-4 MSD
Matrix: Water
Analysis Batch: 43703

Client Sample ID: WW-7-W-220224
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	248		10.0	256.8	4	mg/L		87	90 - 110	0	20

Lab Sample ID: MB 860-44067/3
Matrix: Water
Analysis Batch: 44067

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.200	U	0.500	0.200	mg/L			03/08/22 10:53	1

Lab Sample ID: LCS 860-44067/4
Matrix: Water
Analysis Batch: 44067

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride			10.0	9.598		mg/L		96	90 - 110

Lab Sample ID: LCSD 860-44067/5
Matrix: Water
Analysis Batch: 44067

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			10.0	9.912		mg/L		99	90 - 110	3	20

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 860-43212/1-A
Matrix: Water
Analysis Batch: 43304

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43212

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.000246	U	0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 14:18	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 14:18	1
Iron	<0.0227	U	0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 14:18	1
Manganese	<0.000199	U	0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 14:18	1
Barium	<0.000484	U	0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 14:18	1

Lab Sample ID: LCS 860-43212/2-A
Matrix: Water
Analysis Batch: 43304

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43212

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.09671		mg/L		97	80 - 120
Chromium	0.100	0.09529		mg/L		95	80 - 120
Iron	0.500	0.4610		mg/L		92	80 - 120
Manganese	0.100	0.09683		mg/L		97	80 - 120
Barium	0.100	0.09424		mg/L		94	80 - 120

Lab Sample ID: LCSD 860-43212/3-A
Matrix: Water
Analysis Batch: 43304

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43212

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.100	0.09688		mg/L		97	80 - 120	0	20
Chromium	0.100	0.09624		mg/L		96	80 - 120	1	20
Iron	0.500	0.4629		mg/L		93	80 - 120	0	20
Manganese	0.100	0.09702		mg/L		97	80 - 120	0	20
Barium	0.100	0.09505		mg/L		95	80 - 120	1	20

Lab Sample ID: MB 860-43213/1-A
Matrix: Water
Analysis Batch: 43304

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43213

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.000246	U	0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 16:23	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 16:23	1
Iron	<0.0227	U	0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 16:23	1
Manganese	<0.000199	U	0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 16:23	1
Barium	<0.000484	U	0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 16:23	1

Lab Sample ID: LCS 860-43213/2-A
Matrix: Water
Analysis Batch: 43304

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43213

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.09430		mg/L		94	80 - 120
Chromium	0.100	0.09601		mg/L		96	80 - 120
Iron	0.500	0.4642		mg/L		93	80 - 120
Manganese	0.100	0.09747		mg/L		97	80 - 120
Barium	0.100	0.08648		mg/L		86	80 - 120

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 860-43213/3-A
Matrix: Water
Analysis Batch: 43304

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43213

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic			0.100	0.09440		mg/L		94	80 - 120	0	20
Chromium			0.100	0.09578		mg/L		96	80 - 120	0	20
Iron			0.500	0.4595		mg/L		92	80 - 120	1	20
Manganese			0.100	0.09675		mg/L		97	80 - 120	1	20
Barium			0.100	0.08732		mg/L		87	80 - 120	1	20

Lab Sample ID: 880-11718-3 MS
Matrix: Water
Analysis Batch: 43304

Client Sample ID: MW-9-W-220224
Prep Type: Dissolved
Prep Batch: 43213

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00619		0.100	0.1029		mg/L		97	75 - 125
Chromium	<0.000525	U	0.100	0.1008		mg/L		101	75 - 125
Iron	0.0436	J	0.500	0.5214		mg/L		96	75 - 125
Manganese	0.215		0.100	0.3161		mg/L		101	75 - 125
Barium	6.57	E	0.100	6.725	E 4	mg/L		157	75 - 125

Lab Sample ID: 880-11718-3 MSD
Matrix: Water
Analysis Batch: 43304

Client Sample ID: MW-9-W-220224
Prep Type: Dissolved
Prep Batch: 43213

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.00619		0.100	0.1025		mg/L		96	75 - 125	0	20
Chromium	<0.000525	U	0.100	0.09825		mg/L		98	75 - 125	3	20
Iron	0.0436	J	0.500	0.5076		mg/L		93	75 - 125	3	20
Manganese	0.215		0.100	0.3051		mg/L		90	75 - 125	4	20
Barium	6.57	E	0.100	6.707	E 4	mg/L		138	75 - 125	0	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 880-20316/3
Matrix: Water
Analysis Batch: 20316

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 08:05	1

Lab Sample ID: LCS 880-20316/4
Matrix: Water
Analysis Batch: 20316

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)			0.0400	0.04258		mg/L		106	85 - 115

Lab Sample ID: LCSD 880-20316/5
Matrix: Water
Analysis Batch: 20316

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cr (VI)			0.0400	0.04258		mg/L		106	85 - 115	0	20

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 880-20329/3
Matrix: Water
Analysis Batch: 20329

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 09:05	1

Lab Sample ID: LCS 880-20329/4
Matrix: Water
Analysis Batch: 20329

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	0.0400	0.04210		mg/L		105	85 - 115

Lab Sample ID: LCSD 880-20329/5
Matrix: Water
Analysis Batch: 20329

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cr (VI)	0.0400	0.04258		mg/L		106	85 - 115	1	20

Lab Sample ID: MB 880-20334/3
Matrix: Water
Analysis Batch: 20334

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 09:45	1

Lab Sample ID: LCS 880-20334/4
Matrix: Water
Analysis Batch: 20334

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	0.0400	0.04258		mg/L		106	85 - 115

Lab Sample ID: LCSD 880-20334/5
Matrix: Water
Analysis Batch: 20334

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cr (VI)	0.0400	0.04210		mg/L		105	85 - 115	1	20

Lab Sample ID: 880-11718-1 MS
Matrix: Water
Analysis Batch: 20316

Client Sample ID: MW-14-W-220224
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	<0.00273	U H	0.200	0.2021		mg/L		101	85 - 115

Lab Sample ID: 880-11718-1 MSD
Matrix: Water
Analysis Batch: 20316

Client Sample ID: MW-14-W-220224
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cr (VI)	<0.00273	U H	0.200	0.2021		mg/L		101	85 - 115	0	20

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: 880-11718-11 MS
Matrix: Water
Analysis Batch: 20329

Client Sample ID: MWD-15-W-220224
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	<0.00273	U	0.200	0.2035		mg/L		99	85 - 115

Lab Sample ID: 880-11718-11 MSD
Matrix: Water
Analysis Batch: 20329

Client Sample ID: MWD-15-W-220224
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cr (VI)	<0.00273	U	0.200	0.2035		mg/L		99	85 - 115	0	20

Lab Sample ID: 880-11718-21 MS
Matrix: Water
Analysis Batch: 20334

Client Sample ID: MWD-5-W-220224
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	<0.00273	U	0.200	0.1884		mg/L		94	85 - 115

Lab Sample ID: 880-11718-21 MSD
Matrix: Water
Analysis Batch: 20334

Client Sample ID: MWD-5-W-220224
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cr (VI)	<0.00273	U	0.200	0.1884		mg/L		94	85 - 115	0	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 830-777/1
Matrix: Water
Analysis Batch: 777

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<25.0	U	25.0	25.0	mg/L			03/01/22 17:00	1

Lab Sample ID: LCS 830-777/2
Matrix: Water
Analysis Batch: 777

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	992.0		mg/L		99	90 - 110

Lab Sample ID: LCSD 830-777/3
Matrix: Water
Analysis Batch: 777

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	1000	993.0		mg/L		99	90 - 110	0	10

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: 880-11718-12 DU
Matrix: Water
Analysis Batch: 777

Client Sample ID: MWD-1-W-220224
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1560			1568		mg/L				0.4	10

Lab Sample ID: MB 830-778/1
Matrix: Water
Analysis Batch: 778

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<25.0	U	25.0	25.0	mg/L			03/01/22 17:00	1

Lab Sample ID: LCS 830-778/2
Matrix: Water
Analysis Batch: 778

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			1000	1001		mg/L		100	90 - 110		

Lab Sample ID: LCSD 830-778/3
Matrix: Water
Analysis Batch: 778

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids			1000	1005		mg/L		101	90 - 110	0	10

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

GC VOA

Prep Batch: 20437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-20437/5-A	Method Blank	Total/NA	Water	5035	

Analysis Batch: 20575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11718-1	MW-14-W-220224	Total/NA	Water	8021B	
880-11718-2	MW-30-W-220224	Total/NA	Water	8021B	
MB 880-20575/8	Method Blank	Total/NA	Water	8021B	
LCS 880-20575/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-20575/4	Lab Control Sample Dup	Total/NA	Water	8021B	

Prep Batch: 20605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-20605/5-A	Method Blank	Total/NA	Water	5035	

Analysis Batch: 20657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11718-3	MW-9-W-220224	Total/NA	Water	8021B	
MB 880-20437/5-A	Method Blank	Total/NA	Water	8021B	20437
MB 880-20657/64	Method Blank	Total/NA	Water	8021B	
LCS 880-20657/34	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-20657/35	Lab Control Sample Dup	Total/NA	Water	8021B	

Analysis Batch: 20710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11718-4	WW-7-W-220224	Total/NA	Water	8021B	
880-11718-5	WW-2-W-220224	Total/NA	Water	8021B	
880-11718-6	MW-29-W-220224	Total/NA	Water	8021B	
880-11718-7	MW-8-W-220224	Total/NA	Water	8021B	
880-11718-8	MW-34-W-220224	Total/NA	Water	8021B	
880-11718-9	MWD-6-W-220224	Total/NA	Water	8021B	
880-11718-10	Dup03-W-220224	Total/NA	Water	8021B	
880-11718-11	MWD-15-W-220224	Total/NA	Water	8021B	
880-11718-12	MWD-1-W-220224	Total/NA	Water	8021B	
880-11718-13	MW-17-W-220224	Total/NA	Water	8021B	
880-11718-14	MWD-7-W-220224	Total/NA	Water	8021B	
880-11718-15	MWD-3-W-220224	Total/NA	Water	8021B	
880-11718-15	MWD-3-W-220224	Total/NA	Water	8021B	
880-11718-16	MWD-17-W-220224	Total/NA	Water	8021B	
880-11718-17	MW-22-W-220224	Total/NA	Water	8021B	
880-11718-18	RW-7-W-220224	Total/NA	Water	8021B	
880-11718-19	RW-6-W-220224	Total/NA	Water	8021B	
880-11718-20	MWD-12-W-220224	Total/NA	Water	8021B	
880-11718-21	MWD-5-W-220224	Total/NA	Water	8021B	
880-11718-21	MWD-5-W-220224	Total/NA	Water	8021B	
MB 880-20605/5-A	Method Blank	Total/NA	Water	8021B	20605
MB 880-20710/39	Method Blank	Total/NA	Water	8021B	
MB 880-20710/70	Method Blank	Total/NA	Water	8021B	
LCS 880-20710/34	Lab Control Sample	Total/NA	Water	8021B	
LCS 880-20710/65	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-20710/35	Lab Control Sample Dup	Total/NA	Water	8021B	
LCSD 880-20710/66	Lab Control Sample Dup	Total/NA	Water	8021B	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

GC VOA (Continued)

Analysis Batch: 20710 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11718-14 MS	MWD-7-W-220224	Total/NA	Water	8021B	
880-11718-14 MSD	MWD-7-W-220224	Total/NA	Water	8021B	

Analysis Batch: 20858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-20858/8	Method Blank	Total/NA	Water	8021B	
LCS 880-20858/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-20858/4	Lab Control Sample Dup	Total/NA	Water	8021B	

Analysis Batch: 21271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11718-1	MW-14-W-220224	Total/NA	Water	Total BTEX	
880-11718-2	MW-30-W-220224	Total/NA	Water	Total BTEX	
880-11718-3	MW-9-W-220224	Total/NA	Water	Total BTEX	
880-11718-4	WW-7-W-220224	Total/NA	Water	Total BTEX	
880-11718-5	WW-2-W-220224	Total/NA	Water	Total BTEX	
880-11718-6	MW-29-W-220224	Total/NA	Water	Total BTEX	
880-11718-7	MW-8-W-220224	Total/NA	Water	Total BTEX	
880-11718-8	MW-34-W-220224	Total/NA	Water	Total BTEX	
880-11718-9	MWD-6-W-220224	Total/NA	Water	Total BTEX	
880-11718-10	Dup03-W-220224	Total/NA	Water	Total BTEX	
880-11718-11	MWD-15-W-220224	Total/NA	Water	Total BTEX	
880-11718-12	MWD-1-W-220224	Total/NA	Water	Total BTEX	
880-11718-13	MW-17-W-220224	Total/NA	Water	Total BTEX	
880-11718-14	MWD-7-W-220224	Total/NA	Water	Total BTEX	
880-11718-15	MWD-3-W-220224	Total/NA	Water	Total BTEX	
880-11718-16	MWD-17-W-220224	Total/NA	Water	Total BTEX	
880-11718-17	MW-22-W-220224	Total/NA	Water	Total BTEX	
880-11718-18	RW-7-W-220224	Total/NA	Water	Total BTEX	
880-11718-19	RW-6-W-220224	Total/NA	Water	Total BTEX	
880-11718-20	MWD-12-W-220224	Total/NA	Water	Total BTEX	
880-11718-21	MWD-5-W-220224	Total/NA	Water	Total BTEX	

GC Semi VOA

Analysis Batch: 20435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11718-1	MW-14-W-220224	Total/NA	Water	8015B NM	20438
880-11718-3	MW-9-W-220224	Total/NA	Water	8015B NM	20438
880-11718-4	WW-7-W-220224	Total/NA	Water	8015B NM	20438
880-11718-5	WW-2-W-220224	Total/NA	Water	8015B NM	20438
880-11718-6	MW-29-W-220224	Total/NA	Water	8015B NM	20438
880-11718-7	MW-8-W-220224	Total/NA	Water	8015B NM	20438
880-11718-8	MW-34-W-220224	Total/NA	Water	8015B NM	20438
880-11718-9	MWD-6-W-220224	Total/NA	Water	8015B NM	20438
880-11718-10	Dup03-W-220224	Total/NA	Water	8015B NM	20438
880-11718-11	MWD-15-W-220224	Total/NA	Water	8015B NM	20438
880-11718-12	MWD-1-W-220224	Total/NA	Water	8015B NM	20438
880-11718-13	MW-17-W-220224	Total/NA	Water	8015B NM	20438
880-11718-14	MWD-7-W-220224	Total/NA	Water	8015B NM	20438
880-11718-15	MWD-3-W-220224	Total/NA	Water	8015B NM	20438

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

GC Semi VOA (Continued)

Analysis Batch: 20435 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11718-16	MWD-17-W-220224	Total/NA	Water	8015B NM	20438
880-11718-17	MW-22-W-220224	Total/NA	Water	8015B NM	20438
880-11718-18	RW-7-W-220224	Total/NA	Water	8015B NM	20438
880-11718-19	RW-6-W-220224	Total/NA	Water	8015B NM	20438
880-11718-20	MWD-12-W-220224	Total/NA	Water	8015B NM	20438
MB 880-20438/1-A	Method Blank	Total/NA	Water	8015B NM	20438
LCS 880-20438/2-A	Lab Control Sample	Total/NA	Water	8015B NM	20438
LCSD 880-20438/3-A	Lab Control Sample Dup	Total/NA	Water	8015B NM	20438
880-11718-F-1-A MS	880-11718-F-1-A MS	Total/NA	Water	8015B NM	20438
880-11718-F-1-B MSD	880-11718-F-1-B MSD	Total/NA	Water	8015B NM	20438

Prep Batch: 20438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11718-1	MW-14-W-220224	Total/NA	Water	8015NM Aq Prep	
880-11718-3	MW-9-W-220224	Total/NA	Water	8015NM Aq Prep	
880-11718-4	WW-7-W-220224	Total/NA	Water	8015NM Aq Prep	
880-11718-5	WW-2-W-220224	Total/NA	Water	8015NM Aq Prep	
880-11718-6	MW-29-W-220224	Total/NA	Water	8015NM Aq Prep	
880-11718-7	MW-8-W-220224	Total/NA	Water	8015NM Aq Prep	
880-11718-8	MW-34-W-220224	Total/NA	Water	8015NM Aq Prep	
880-11718-9	MWD-6-W-220224	Total/NA	Water	8015NM Aq Prep	
880-11718-10	Dup03-W-220224	Total/NA	Water	8015NM Aq Prep	
880-11718-11	MWD-15-W-220224	Total/NA	Water	8015NM Aq Prep	
880-11718-12	MWD-1-W-220224	Total/NA	Water	8015NM Aq Prep	
880-11718-13	MW-17-W-220224	Total/NA	Water	8015NM Aq Prep	
880-11718-14	MWD-7-W-220224	Total/NA	Water	8015NM Aq Prep	
880-11718-15	MWD-3-W-220224	Total/NA	Water	8015NM Aq Prep	
880-11718-16	MWD-17-W-220224	Total/NA	Water	8015NM Aq Prep	
880-11718-17	MW-22-W-220224	Total/NA	Water	8015NM Aq Prep	
880-11718-18	RW-7-W-220224	Total/NA	Water	8015NM Aq Prep	
880-11718-19	RW-6-W-220224	Total/NA	Water	8015NM Aq Prep	
880-11718-20	MWD-12-W-220224	Total/NA	Water	8015NM Aq Prep	
MB 880-20438/1-A	Method Blank	Total/NA	Water	8015NM Aq Prep	
LCS 880-20438/2-A	Lab Control Sample	Total/NA	Water	8015NM Aq Prep	
LCSD 880-20438/3-A	Lab Control Sample Dup	Total/NA	Water	8015NM Aq Prep	
880-11718-F-1-A MS	880-11718-F-1-A MS	Total/NA	Water	8015NM Aq Prep	
880-11718-F-1-B MSD	880-11718-F-1-B MSD	Total/NA	Water	8015NM Aq Prep	

Prep Batch: 20527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11718-2	MW-30-W-220224	Total/NA	Water	8015NM Aq Prep	
880-11718-21	MWD-5-W-220224	Total/NA	Water	8015NM Aq Prep	
MB 880-20527/1-A	Method Blank	Total/NA	Water	8015NM Aq Prep	
LCS 880-20527/2-A	Lab Control Sample	Total/NA	Water	8015NM Aq Prep	
LCSD 880-20527/3-A	Lab Control Sample Dup	Total/NA	Water	8015NM Aq Prep	

Analysis Batch: 20580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11718-2	MW-30-W-220224	Total/NA	Water	8015B NM	20527
880-11718-21	MWD-5-W-220224	Total/NA	Water	8015B NM	20527
MB 880-20527/1-A	Method Blank	Total/NA	Water	8015B NM	20527

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

GC Semi VOA (Continued)

Analysis Batch: 20580 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-20527/2-A	Lab Control Sample	Total/NA	Water	8015B NM	20527
LCSD 880-20527/3-A	Lab Control Sample Dup	Total/NA	Water	8015B NM	20527

Analysis Batch: 20614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11718-1	MW-14-W-220224	Total/NA	Water	8015 NM	
880-11718-2	MW-30-W-220224	Total/NA	Water	8015 NM	
880-11718-3	MW-9-W-220224	Total/NA	Water	8015 NM	
880-11718-4	WW-7-W-220224	Total/NA	Water	8015 NM	
880-11718-5	WW-2-W-220224	Total/NA	Water	8015 NM	
880-11718-6	MW-29-W-220224	Total/NA	Water	8015 NM	
880-11718-7	MW-8-W-220224	Total/NA	Water	8015 NM	
880-11718-8	MW-34-W-220224	Total/NA	Water	8015 NM	
880-11718-9	MWD-6-W-220224	Total/NA	Water	8015 NM	
880-11718-10	Dup03-W-220224	Total/NA	Water	8015 NM	
880-11718-11	MWD-15-W-220224	Total/NA	Water	8015 NM	
880-11718-12	MWD-1-W-220224	Total/NA	Water	8015 NM	
880-11718-13	MW-17-W-220224	Total/NA	Water	8015 NM	
880-11718-14	MWD-7-W-220224	Total/NA	Water	8015 NM	
880-11718-15	MWD-3-W-220224	Total/NA	Water	8015 NM	
880-11718-16	MWD-17-W-220224	Total/NA	Water	8015 NM	
880-11718-17	MW-22-W-220224	Total/NA	Water	8015 NM	
880-11718-18	RW-7-W-220224	Total/NA	Water	8015 NM	
880-11718-19	RW-6-W-220224	Total/NA	Water	8015 NM	
880-11718-20	MWD-12-W-220224	Total/NA	Water	8015 NM	
880-11718-21	MWD-5-W-220224	Total/NA	Water	8015 NM	

HPLC/IC

Analysis Batch: 43703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11718-1 - DL	MW-14-W-220224	Total/NA	Water	300.0	
880-11718-2 - DL	MW-30-W-220224	Total/NA	Water	300.0	
880-11718-3	MW-9-W-220224	Total/NA	Water	300.0	
880-11718-4	WW-7-W-220224	Total/NA	Water	300.0	
880-11718-6 - DL	MW-29-W-220224	Total/NA	Water	300.0	
880-11718-7 - DL	MW-8-W-220224	Total/NA	Water	300.0	
880-11718-8 - DL	MW-34-W-220224	Total/NA	Water	300.0	
880-11718-9	MWD-6-W-220224	Total/NA	Water	300.0	
880-11718-10 - DL	Dup03-W-220224	Total/NA	Water	300.0	
880-11718-11 - DL	MWD-15-W-220224	Total/NA	Water	300.0	
880-11718-12 - DL	MWD-1-W-220224	Total/NA	Water	300.0	
880-11718-13 - DL	MW-17-W-220224	Total/NA	Water	300.0	
880-11718-14 - DL	MWD-7-W-220224	Total/NA	Water	300.0	
880-11718-15 - DL	MWD-3-W-220224	Total/NA	Water	300.0	
880-11718-16 - DL	MWD-17-W-220224	Total/NA	Water	300.0	
880-11718-17 - DL	MW-22-W-220224	Total/NA	Water	300.0	
880-11718-18 - DL	RW-7-W-220224	Total/NA	Water	300.0	
880-11718-19 - DL	RW-6-W-220224	Total/NA	Water	300.0	
880-11718-20 - DL	MWD-12-W-220224	Total/NA	Water	300.0	
880-11718-21 - DL	MWD-5-W-220224	Total/NA	Water	300.0	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

HPLC/IC (Continued)

Analysis Batch: 43703 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-43703/51	Method Blank	Total/NA	Water	300.0	
MB 860-43703/79	Method Blank	Total/NA	Water	300.0	
LCS 860-43703/52	Lab Control Sample	Total/NA	Water	300.0	
LCS 860-43703/80	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-43703/53	Lab Control Sample Dup	Total/NA	Water	300.0	
LCSD 860-43703/81	Lab Control Sample Dup	Total/NA	Water	300.0	
880-11718-3 MS	MW-9-W-220224	Total/NA	Water	300.0	
880-11718-3 MSD	MW-9-W-220224	Total/NA	Water	300.0	
880-11718-4 MS	WW-7-W-220224	Total/NA	Water	300.0	
880-11718-4 MSD	WW-7-W-220224	Total/NA	Water	300.0	

Analysis Batch: 44067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11718-5 - DL	WW-2-W-220224	Total/NA	Water	300.0	
MB 860-44067/3	Method Blank	Total/NA	Water	300.0	
LCS 860-44067/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-44067/5	Lab Control Sample Dup	Total/NA	Water	300.0	

Metals

Prep Batch: 43212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11718-1	MW-14-W-220224	Dissolved	Water	3010A	
880-11718-2	MW-30-W-220224	Dissolved	Water	3010A	
MB 860-43212/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-43212/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-43212/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 43213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11718-3	MW-9-W-220224	Dissolved	Water	3010A	
880-11718-4	WW-7-W-220224	Dissolved	Water	3010A	
880-11718-5	WW-2-W-220224	Dissolved	Water	3010A	
880-11718-6	MW-29-W-220224	Dissolved	Water	3010A	
880-11718-7	MW-8-W-220224	Dissolved	Water	3010A	
880-11718-8	MW-34-W-220224	Dissolved	Water	3010A	
880-11718-9	MWD-6-W-220224	Dissolved	Water	3010A	
880-11718-10	Dup03-W-220224	Dissolved	Water	3010A	
880-11718-11	MWD-15-W-220224	Dissolved	Water	3010A	
880-11718-12	MWD-1-W-220224	Dissolved	Water	3010A	
880-11718-13	MW-17-W-220224	Dissolved	Water	3010A	
880-11718-14	MWD-7-W-220224	Dissolved	Water	3010A	
880-11718-15	MWD-3-W-220224	Dissolved	Water	3010A	
880-11718-16	MWD-17-W-220224	Dissolved	Water	3010A	
880-11718-17	MW-22-W-220224	Dissolved	Water	3010A	
880-11718-18	RW-7-W-220224	Dissolved	Water	3010A	
880-11718-19	RW-6-W-220224	Dissolved	Water	3010A	
880-11718-20	MWD-12-W-220224	Dissolved	Water	3010A	
880-11718-21	MWD-5-W-220224	Dissolved	Water	3010A	
MB 860-43213/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-43213/2-A	Lab Control Sample	Total/NA	Water	3010A	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Metals (Continued)

Prep Batch: 43213 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 860-43213/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
880-11718-3 MS	MW-9-W-220224	Dissolved	Water	3010A	
880-11718-3 MSD	MW-9-W-220224	Dissolved	Water	3010A	

Analysis Batch: 43304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11718-1	MW-14-W-220224	Dissolved	Water	6020A	43212
880-11718-2	MW-30-W-220224	Dissolved	Water	6020A	43212
880-11718-3	MW-9-W-220224	Dissolved	Water	6020A	43213
880-11718-4	WW-7-W-220224	Dissolved	Water	6020A	43213
880-11718-5	WW-2-W-220224	Dissolved	Water	6020A	43213
880-11718-6	MW-29-W-220224	Dissolved	Water	6020A	43213
880-11718-7	MW-8-W-220224	Dissolved	Water	6020A	43213
880-11718-8	MW-34-W-220224	Dissolved	Water	6020A	43213
880-11718-9	MWD-6-W-220224	Dissolved	Water	6020A	43213
880-11718-10	Dup03-W-220224	Dissolved	Water	6020A	43213
880-11718-11	MWD-15-W-220224	Dissolved	Water	6020A	43213
880-11718-12	MWD-1-W-220224	Dissolved	Water	6020A	43213
880-11718-13	MW-17-W-220224	Dissolved	Water	6020A	43213
880-11718-14	MWD-7-W-220224	Dissolved	Water	6020A	43213
880-11718-14	MWD-7-W-220224	Dissolved	Water	6020A	43213
880-11718-15	MWD-3-W-220224	Dissolved	Water	6020A	43213
880-11718-15	MWD-3-W-220224	Dissolved	Water	6020A	43213
880-11718-16	MWD-17-W-220224	Dissolved	Water	6020A	43213
880-11718-16	MWD-17-W-220224	Dissolved	Water	6020A	43213
880-11718-17	MW-22-W-220224	Dissolved	Water	6020A	43213
880-11718-18	RW-7-W-220224	Dissolved	Water	6020A	43213
880-11718-19	RW-6-W-220224	Dissolved	Water	6020A	43213
880-11718-20	MWD-12-W-220224	Dissolved	Water	6020A	43213
880-11718-21	MWD-5-W-220224	Dissolved	Water	6020A	43213
MB 860-43212/1-A	Method Blank	Total/NA	Water	6020A	43212
MB 860-43213/1-A	Method Blank	Total/NA	Water	6020A	43213
LCS 860-43212/2-A	Lab Control Sample	Total/NA	Water	6020A	43212
LCS 860-43213/2-A	Lab Control Sample	Total/NA	Water	6020A	43213
LCSD 860-43212/3-A	Lab Control Sample Dup	Total/NA	Water	6020A	43212
LCSD 860-43213/3-A	Lab Control Sample Dup	Total/NA	Water	6020A	43213
880-11718-3 MS	MW-9-W-220224	Dissolved	Water	6020A	43213
880-11718-3 MSD	MW-9-W-220224	Dissolved	Water	6020A	43213

Analysis Batch: 43513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11718-14	MWD-7-W-220224	Dissolved	Water	6020A	43213

General Chemistry

Analysis Batch: 777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11718-1	MW-14-W-220224	Total/NA	Water	SM 2540C	
880-11718-2	MW-30-W-220224	Total/NA	Water	SM 2540C	
880-11718-4	WW-7-W-220224	Total/NA	Water	SM 2540C	
880-11718-6	MW-29-W-220224	Total/NA	Water	SM 2540C	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

General Chemistry (Continued)

Analysis Batch: 777 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11718-7	MW-8-W-220224	Total/NA	Water	SM 2540C	
880-11718-10	Dup03-W-220224	Total/NA	Water	SM 2540C	
880-11718-12	MWD-1-W-220224	Total/NA	Water	SM 2540C	
880-11718-13	MW-17-W-220224	Total/NA	Water	SM 2540C	
880-11718-14	MWD-7-W-220224	Total/NA	Water	SM 2540C	
880-11718-15	MWD-3-W-220224	Total/NA	Water	SM 2540C	
880-11718-16	MWD-17-W-220224	Total/NA	Water	SM 2540C	
880-11718-19	RW-6-W-220224	Total/NA	Water	SM 2540C	
880-11718-20	MWD-12-W-220224	Total/NA	Water	SM 2540C	
MB 830-777/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 830-777/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 830-777/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
880-11718-12 DU	MWD-1-W-220224	Total/NA	Water	SM 2540C	

Analysis Batch: 778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11718-3	MW-9-W-220224	Total/NA	Water	SM 2540C	
880-11718-5	WW-2-W-220224	Total/NA	Water	SM 2540C	
880-11718-8	MW-34-W-220224	Total/NA	Water	SM 2540C	
880-11718-9	MWD-6-W-220224	Total/NA	Water	SM 2540C	
880-11718-11	MWD-15-W-220224	Total/NA	Water	SM 2540C	
880-11718-17	MW-22-W-220224	Total/NA	Water	SM 2540C	
880-11718-18	RW-7-W-220224	Total/NA	Water	SM 2540C	
880-11718-21	MWD-5-W-220224	Total/NA	Water	SM 2540C	
MB 830-778/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 830-778/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 830-778/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Analysis Batch: 20316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11718-1	MW-14-W-220224	Dissolved	Water	7196A	
880-11718-2	MW-30-W-220224	Dissolved	Water	7196A	
880-11718-3	MW-9-W-220224	Dissolved	Water	7196A	
880-11718-4	WW-7-W-220224	Dissolved	Water	7196A	
880-11718-5	WW-2-W-220224	Dissolved	Water	7196A	
880-11718-6	MW-29-W-220224	Dissolved	Water	7196A	
880-11718-7	MW-8-W-220224	Dissolved	Water	7196A	
880-11718-8	MW-34-W-220224	Dissolved	Water	7196A	
880-11718-9	MWD-6-W-220224	Dissolved	Water	7196A	
880-11718-10	Dup03-W-220224	Dissolved	Water	7196A	
MB 880-20316/3	Method Blank	Total/NA	Water	7196A	
LCS 880-20316/4	Lab Control Sample	Total/NA	Water	7196A	
LCSD 880-20316/5	Lab Control Sample Dup	Total/NA	Water	7196A	
880-11718-1 MS	MW-14-W-220224	Dissolved	Water	7196A	
880-11718-1 MSD	MW-14-W-220224	Dissolved	Water	7196A	

Analysis Batch: 20329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11718-11	MWD-15-W-220224	Dissolved	Water	7196A	
880-11718-12	MWD-1-W-220224	Dissolved	Water	7196A	
880-11718-13	MW-17-W-220224	Dissolved	Water	7196A	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

General Chemistry (Continued)

Analysis Batch: 20329 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11718-14	MWD-7-W-220224	Dissolved	Water	7196A	
880-11718-15	MWD-3-W-220224	Dissolved	Water	7196A	
880-11718-16	MWD-17-W-220224	Dissolved	Water	7196A	
880-11718-17	MW-22-W-220224	Dissolved	Water	7196A	
880-11718-18	RW-7-W-220224	Dissolved	Water	7196A	
880-11718-19	RW-6-W-220224	Dissolved	Water	7196A	
880-11718-20	MWD-12-W-220224	Dissolved	Water	7196A	
MB 880-20329/3	Method Blank	Total/NA	Water	7196A	
LCS 880-20329/4	Lab Control Sample	Total/NA	Water	7196A	
LCSD 880-20329/5	Lab Control Sample Dup	Total/NA	Water	7196A	
880-11718-11 MS	MWD-15-W-220224	Dissolved	Water	7196A	
880-11718-11 MSD	MWD-15-W-220224	Dissolved	Water	7196A	

Analysis Batch: 20334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11718-21	MWD-5-W-220224	Dissolved	Water	7196A	
MB 880-20334/3	Method Blank	Total/NA	Water	7196A	
LCS 880-20334/4	Lab Control Sample	Total/NA	Water	7196A	
LCSD 880-20334/5	Lab Control Sample Dup	Total/NA	Water	7196A	
880-11718-21 MS	MWD-5-W-220224	Dissolved	Water	7196A	
880-11718-21 MSD	MWD-5-W-220224	Dissolved	Water	7196A	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MW-14-W-220224
Date Collected: 02/24/22 07:52
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20575	03/01/22 19:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			21271	03/09/22 20:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			20614	03/01/22 13:41	AJ	EET MID
Total/NA	Prep	8015NM Aq Prep			33.2 mL	3 mL	20438	02/28/22 10:10	DM	EET MID
Total/NA	Analysis	8015B NM		1			20435	02/28/22 14:28	AJ	EET MID
Total/NA	Analysis	300.0	DL	10			43703	03/04/22 22:22	WP	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	43212	03/01/22 09:25	MD	EET HOU
Dissolved	Analysis	6020A		1			43304	03/01/22 15:51	SHZ	EET HOU
Dissolved	Analysis	7196A		1	100 mL	100 mL	20316	02/25/22 08:05	CH	EET MID
Total/NA	Analysis	SM 2540C		1	50 mL	1000 mL	777	03/01/22 17:00	DH	EET EP

Client Sample ID: MW-30-W-220224
Date Collected: 02/24/22 08:29
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20575	03/01/22 20:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			21271	03/09/22 20:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			20614	03/01/22 13:41	AJ	EET MID
Total/NA	Prep	8015NM Aq Prep			33.5 mL	3 mL	20527	02/28/22 14:50	DM	EET MID
Total/NA	Analysis	8015B NM		1			20580	03/02/22 04:01	AJ	EET MID
Total/NA	Analysis	300.0	DL	10			43703	03/04/22 22:34	WP	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	43212	03/01/22 09:25	MD	EET HOU
Dissolved	Analysis	6020A		1			43304	03/01/22 15:55	SHZ	EET HOU
Dissolved	Analysis	7196A		1	100 mL	100 mL	20316	02/25/22 08:05	CH	EET MID
Total/NA	Analysis	SM 2540C		1	50 mL	1000 mL	777	03/01/22 17:00	DH	EET EP

Client Sample ID: MW-9-W-220224
Date Collected: 02/24/22 09:12
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/03/22 02:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			21271	03/09/22 20:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			20614	03/01/22 13:41	AJ	EET MID
Total/NA	Prep	8015NM Aq Prep			33.4 mL	3 mL	20438	02/28/22 10:10	DM	EET MID
Total/NA	Analysis	8015B NM		1			20435	02/28/22 15:52	AJ	EET MID
Total/NA	Analysis	300.0		1			43703	03/04/22 22:46	WP	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	43213	03/01/22 09:25	MD	EET HOU
Dissolved	Analysis	6020A		1			43304	03/01/22 16:33	SHZ	EET HOU
Dissolved	Analysis	7196A		1	100 mL	100 mL	20316	02/25/22 08:05	CH	EET MID
Total/NA	Analysis	SM 2540C		1	50 mL	1000 mL	778	03/01/22 17:00	DH	EET EP

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: WW-7-W-220224
Date Collected: 02/24/22 09:39
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20710	03/03/22 21:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			21271	03/09/22 20:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			20614	03/01/22 13:41	AJ	EET MID
Total/NA	Prep	8015NM Aq Prep			33.4 mL	3 mL	20438	02/28/22 10:10	DM	EET MID
Total/NA	Analysis	8015B NM		1			20435	02/28/22 16:12	AJ	EET MID
Total/NA	Analysis	300.0		1			43703	03/04/22 23:46	WP	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	43213	03/01/22 09:25	MD	EET HOU
Dissolved	Analysis	6020A		1			43304	03/01/22 16:55	SHZ	EET HOU
Dissolved	Analysis	7196A		1	100 mL	100 mL	20316	02/25/22 08:05	CH	EET MID
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	777	03/01/22 17:00	DH	EET EP

Client Sample ID: WW-2-W-220224
Date Collected: 02/24/22 10:16
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20710	03/03/22 21:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			21271	03/09/22 20:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			20614	03/01/22 13:41	AJ	EET MID
Total/NA	Prep	8015NM Aq Prep			33.1 mL	3 mL	20438	02/28/22 10:10	DM	EET MID
Total/NA	Analysis	8015B NM		1			20435	02/28/22 16:33	AJ	EET MID
Total/NA	Analysis	300.0	DL	10			44067	03/08/22 11:41	WP	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	43213	03/01/22 09:25	MD	EET HOU
Dissolved	Analysis	6020A		1			43304	03/01/22 16:59	SHZ	EET HOU
Dissolved	Analysis	7196A		1	100 mL	100 mL	20316	02/25/22 08:05	CH	EET MID
Total/NA	Analysis	SM 2540C		1	50 mL	1000 mL	778	03/01/22 17:00	DH	EET EP

Client Sample ID: MW-29-W-220224
Date Collected: 02/24/22 10:56
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20710	03/04/22 06:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			21271	03/09/22 20:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			20614	03/01/22 13:41	AJ	EET MID
Total/NA	Prep	8015NM Aq Prep			33.3 mL	3 mL	20438	02/28/22 10:10	DM	EET MID
Total/NA	Analysis	8015B NM		1			20435	02/28/22 16:53	AJ	EET MID
Total/NA	Analysis	300.0	DL	10			43703	03/05/22 00:34	WP	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	43213	03/01/22 09:25	MD	EET HOU
Dissolved	Analysis	6020A		1			43304	03/01/22 17:02	SHZ	EET HOU
Dissolved	Analysis	7196A		1	100 mL	100 mL	20316	02/25/22 08:05	CH	EET MID
Total/NA	Analysis	SM 2540C		1	50 mL	1000 mL	777	03/01/22 17:00	DH	EET EP

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MW-8-W-220224
Date Collected: 02/24/22 11:29
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20710	03/04/22 02:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			21271	03/09/22 20:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			20614	03/01/22 13:41	AJ	EET MID
Total/NA	Prep	8015NM Aq Prep			33.1 mL	3 mL	20438	02/28/22 10:10	DM	EET MID
Total/NA	Analysis	8015B NM		1			20435	02/28/22 17:14	AJ	EET MID
Total/NA	Analysis	300.0	DL	10			43703	03/05/22 00:46	WP	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	43213	03/01/22 09:25	MD	EET HOU
Dissolved	Analysis	6020A		1			43304	03/01/22 17:05	SHZ	EET HOU
Dissolved	Analysis	7196A		1	100 mL	100 mL	20316	02/25/22 08:05	CH	EET MID
Total/NA	Analysis	SM 2540C		1	25 mL	1000 mL	777	03/01/22 17:00	DH	EET EP

Client Sample ID: MW-34-W-220224
Date Collected: 02/24/22 12:09
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20710	03/04/22 04:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			21271	03/09/22 20:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			20614	03/01/22 13:41	AJ	EET MID
Total/NA	Prep	8015NM Aq Prep			33.2 mL	3 mL	20438	02/28/22 10:10	DM	EET MID
Total/NA	Analysis	8015B NM		1			20435	02/28/22 17:36	AJ	EET MID
Total/NA	Analysis	300.0	DL	10			43703	03/05/22 00:58	WP	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	43213	03/01/22 09:25	MD	EET HOU
Dissolved	Analysis	6020A		1			43304	03/01/22 17:08	SHZ	EET HOU
Dissolved	Analysis	7196A		1	100 mL	100 mL	20316	02/25/22 08:05	CH	EET MID
Total/NA	Analysis	SM 2540C		1	50 mL	1000 mL	778	03/01/22 17:00	DH	EET EP

Client Sample ID: MWD-6-W-220224
Date Collected: 02/24/22 12:57
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20710	03/04/22 04:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			21271	03/09/22 20:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			20614	03/01/22 13:41	AJ	EET MID
Total/NA	Prep	8015NM Aq Prep			33.1 mL	3 mL	20438	02/28/22 10:10	DM	EET MID
Total/NA	Analysis	8015B NM		1			20435	02/28/22 17:57	AJ	EET MID
Total/NA	Analysis	300.0		1			43703	03/05/22 01:10	WP	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	43213	03/01/22 09:25	MD	EET HOU
Dissolved	Analysis	6020A		1			43304	03/01/22 17:11	SHZ	EET HOU
Dissolved	Analysis	7196A		1	100 mL	100 mL	20316	02/25/22 08:05	CH	EET MID
Total/NA	Analysis	SM 2540C		1	50 mL	1000 mL	778	03/01/22 17:00	DH	EET EP

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: Dup03-W-220224
Date Collected: 02/24/22 00:00
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20710	03/04/22 05:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			21271	03/09/22 20:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			20614	03/01/22 13:41	AJ	EET MID
Total/NA	Prep	8015NM Aq Prep			33.6 mL	3 mL	20438	02/28/22 10:10	DM	EET MID
Total/NA	Analysis	8015B NM		1			20435	02/28/22 18:18	AJ	EET MID
Total/NA	Analysis	300.0	DL	10			43703	03/05/22 01:22	WP	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	43213	03/01/22 09:25	MD	EET HOU
Dissolved	Analysis	6020A		1			43304	03/01/22 17:15	SHZ	EET HOU
Dissolved	Analysis	7196A		1	100 mL	100 mL	20316	02/25/22 08:05	CH	EET MID
Total/NA	Analysis	SM 2540C		1	50 mL	1000 mL	777	03/01/22 17:00	DH	EET EP

Client Sample ID: MWD-15-W-220224
Date Collected: 02/24/22 09:35
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20710	03/04/22 05:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			21271	03/09/22 20:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			20614	03/01/22 13:41	AJ	EET MID
Total/NA	Prep	8015NM Aq Prep			33.6 mL	3 mL	20438	02/28/22 10:10	DM	EET MID
Total/NA	Analysis	8015B NM		1			20435	02/28/22 19:00	AJ	EET MID
Total/NA	Analysis	300.0	DL	10			43703	03/05/22 01:34	WP	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	43213	03/01/22 09:25	MD	EET HOU
Dissolved	Analysis	6020A		1			43304	03/01/22 17:18	SHZ	EET HOU
Dissolved	Analysis	7196A		1	100 mL	100 mL	20329	02/25/22 09:05	CH	EET MID
Total/NA	Analysis	SM 2540C		1	25 mL	1000 mL	778	03/01/22 17:00	DH	EET EP

Client Sample ID: MWD-1-W-220224
Date Collected: 02/24/22 10:08
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20710	03/04/22 03:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			21271	03/09/22 20:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			20614	03/01/22 13:41	AJ	EET MID
Total/NA	Prep	8015NM Aq Prep			33.1 mL	3 mL	20438	02/28/22 10:10	DM	EET MID
Total/NA	Analysis	8015B NM		1			20435	02/28/22 19:22	AJ	EET MID
Total/NA	Analysis	300.0	DL	10			43703	03/05/22 02:10	WP	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	43213	03/01/22 09:25	MD	EET HOU
Dissolved	Analysis	6020A		1			43304	03/01/22 17:21	SHZ	EET HOU
Dissolved	Analysis	7196A		1	100 mL	100 mL	20329	02/25/22 09:05	CH	EET MID
Total/NA	Analysis	SM 2540C		1	50 mL	1000 mL	777	03/01/22 17:00	DH	EET EP

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MW-17-W-220224

Lab Sample ID: 880-11718-13
Matrix: Water
Date Collected: 02/24/22 10:45
Date Received: 02/24/22 17:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20710	03/04/22 03:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			21271	03/09/22 20:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			20614	03/01/22 13:41	AJ	EET MID
Total/NA	Prep	8015NM Aq Prep			33.1 mL	3 mL	20438	02/28/22 10:10	DM	EET MID
Total/NA	Analysis	8015B NM		1			20435	02/28/22 19:43	AJ	EET MID
Total/NA	Analysis	300.0	DL	10			43703	03/05/22 02:22	WP	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	43213	03/01/22 09:25	MD	EET HOU
Dissolved	Analysis	6020A		1			43304	03/01/22 17:24	SHZ	EET HOU
Dissolved	Analysis	7196A		1	100 mL	100 mL	20329	02/25/22 09:05	CH	EET MID
Total/NA	Analysis	SM 2540C		1	25 mL	1000 mL	777	03/01/22 17:00	DH	EET EP

Client Sample ID: MWD-7-W-220224

Lab Sample ID: 880-11718-14
Matrix: Water
Date Collected: 02/24/22 11:10
Date Received: 02/24/22 17:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20710	03/03/22 12:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			21271	03/09/22 20:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			20614	03/01/22 13:41	AJ	EET MID
Total/NA	Prep	8015NM Aq Prep			33 mL	3 mL	20438	02/28/22 10:10	DM	EET MID
Total/NA	Analysis	8015B NM		1			20435	02/28/22 20:04	AJ	EET MID
Total/NA	Analysis	300.0	DL	100			43703	03/05/22 02:34	WP	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	43213	03/01/22 09:25	MD	EET HOU
Dissolved	Analysis	6020A		1			43304	03/01/22 17:34	SHZ	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	43213	03/01/22 09:25	MD	EET HOU
Dissolved	Analysis	6020A		10			43304	03/01/22 18:18	SHZ	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	43213	03/01/22 09:25	MD	EET HOU
Dissolved	Analysis	6020A		10			43513	03/02/22 13:45	SHZ	EET HOU
Dissolved	Analysis	7196A		1	100 mL	100 mL	20329	02/25/22 09:05	CH	EET MID
Total/NA	Analysis	SM 2540C		1	10 mL	1000 mL	777	03/01/22 17:00	DH	EET EP

Client Sample ID: MWD-3-W-220224

Lab Sample ID: 880-11718-15
Matrix: Water
Date Collected: 02/24/22 11:45
Date Received: 02/24/22 17:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20710	03/03/22 13:53	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	20710	03/04/22 07:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			21271	03/09/22 20:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			20614	03/01/22 13:41	AJ	EET MID
Total/NA	Prep	8015NM Aq Prep			33.4 mL	3 mL	20438	02/28/22 10:10	DM	EET MID
Total/NA	Analysis	8015B NM		1			20435	02/28/22 20:25	AJ	EET MID
Total/NA	Analysis	300.0	DL	100			43703	03/05/22 03:46	WP	EET HOU

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MWD-3-W-220224
Date Collected: 02/24/22 11:45
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3010A			50 mL	50 mL	43213	03/01/22 09:25	MD	EET HOU
Dissolved	Analysis	6020A		1			43304	03/01/22 17:37	SHZ	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	43213	03/01/22 09:25	MD	EET HOU
Dissolved	Analysis	6020A		10			43304	03/01/22 18:21	SHZ	EET HOU
Dissolved	Analysis	7196A		1	100 mL	100 mL	20329	02/25/22 09:05	CH	EET MID
Total/NA	Analysis	SM 2540C		1	5 mL	1000 mL	777	03/01/22 17:00	DH	EET EP

Client Sample ID: MWD-17-W-220224
Date Collected: 02/24/22 12:45
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20710	03/03/22 14:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			21271	03/09/22 20:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			20614	03/01/22 13:41	AJ	EET MID
Total/NA	Prep	8015NM Aq Prep			33.4 mL	3 mL	20438	02/28/22 10:10	DM	EET MID
Total/NA	Analysis	8015B NM		1			20435	02/28/22 20:46	AJ	EET MID
Total/NA	Analysis	300.0	DL	100			43703	03/05/22 03:58	WP	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	43213	03/01/22 09:25	MD	EET HOU
Dissolved	Analysis	6020A		1			43304	03/01/22 17:40	SHZ	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	43213	03/01/22 09:25	MD	EET HOU
Dissolved	Analysis	6020A		10			43304	03/01/22 18:25	SHZ	EET HOU
Dissolved	Analysis	7196A		1	100 mL	100 mL	20329	02/25/22 09:05	CH	EET MID
Total/NA	Analysis	SM 2540C		1	10 mL	1000 mL	777	03/01/22 17:00	DH	EET EP

Client Sample ID: MW-22-W-220224
Date Collected: 02/24/22 12:08
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20710	03/03/22 14:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			21271	03/09/22 20:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			20614	03/01/22 13:41	AJ	EET MID
Total/NA	Prep	8015NM Aq Prep			33.5 mL	3 mL	20438	02/28/22 10:10	DM	EET MID
Total/NA	Analysis	8015B NM		1			20435	02/28/22 21:07	AJ	EET MID
Total/NA	Analysis	300.0	DL	10			43703	03/05/22 04:10	WP	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	43213	03/01/22 09:25	MD	EET HOU
Dissolved	Analysis	6020A		1			43304	03/01/22 17:43	SHZ	EET HOU
Dissolved	Analysis	7196A		1	100 mL	100 mL	20329	02/25/22 09:05	CH	EET MID
Total/NA	Analysis	SM 2540C		1	10 mL	1000 mL	778	03/01/22 17:00	DH	EET EP

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: RW-7-W-220224
Date Collected: 02/24/22 13:20
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20710	03/03/22 12:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			21271	03/09/22 20:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			20614	03/01/22 13:41	AJ	EET MID
Total/NA	Prep	8015NM Aq Prep			33.5 mL	3 mL	20438	02/28/22 10:10	DM	EET MID
Total/NA	Analysis	8015B NM		1			20435	02/28/22 21:29	AJ	EET MID
Total/NA	Analysis	300.0	DL	10			43703	03/05/22 04:22	WP	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	43213	03/01/22 09:25	MD	EET HOU
Dissolved	Analysis	6020A		1			43304	03/01/22 17:47	SHZ	EET HOU
Dissolved	Analysis	7196A		1	100 mL	100 mL	20329	02/25/22 09:05	CH	EET MID
Total/NA	Analysis	SM 2540C		1	10 mL	1000 mL	778	03/01/22 17:00	DH	EET EP

Client Sample ID: RW-6-W-220224
Date Collected: 02/24/22 13:48
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20710	03/03/22 15:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			21271	03/09/22 20:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			20614	03/01/22 13:41	AJ	EET MID
Total/NA	Prep	8015NM Aq Prep			33.7 mL	3 mL	20438	02/28/22 10:10	DM	EET MID
Total/NA	Analysis	8015B NM		1			20435	02/28/22 21:51	AJ	EET MID
Total/NA	Analysis	300.0	DL	10			43703	03/05/22 04:34	WP	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	43213	03/01/22 09:25	MD	EET HOU
Dissolved	Analysis	6020A		1			43304	03/01/22 17:50	SHZ	EET HOU
Dissolved	Analysis	7196A		1	100 mL	100 mL	20329	02/25/22 09:05	CH	EET MID
Total/NA	Analysis	SM 2540C		1	25 mL	1000 mL	777	03/01/22 17:00	DH	EET EP

Client Sample ID: MWD-12-W-220224
Date Collected: 02/24/22 14:40
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20710	03/03/22 15:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			21271	03/09/22 20:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			20614	03/01/22 13:41	AJ	EET MID
Total/NA	Prep	8015NM Aq Prep			33.5 mL	3 mL	20438	02/28/22 10:10	DM	EET MID
Total/NA	Analysis	8015B NM		1			20435	02/28/22 22:14	AJ	EET MID
Total/NA	Analysis	300.0	DL	10			43703	03/05/22 04:46	WP	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	43213	03/01/22 09:25	MD	EET HOU
Dissolved	Analysis	6020A		1			43304	03/01/22 17:53	SHZ	EET HOU
Dissolved	Analysis	7196A		1	100 mL	100 mL	20329	02/25/22 09:05	CH	EET MID
Total/NA	Analysis	SM 2540C		1	25 mL	1000 mL	777	03/01/22 17:00	DH	EET EP

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MWD-5-W-220224

Date Collected: 02/24/22 13:35
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20710	03/03/22 16:06	MNR	EET MID
Total/NA	Analysis	8021B		200	5 mL	5 mL	20710	03/04/22 08:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			21271	03/09/22 20:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			20614	03/01/22 13:41	AJ	EET MID
Total/NA	Prep	8015NM Aq Prep			33.7 mL	3 mL	20527	02/28/22 14:50	DM	EET MID
Total/NA	Analysis	8015B NM		1			20580	03/02/22 04:22	AJ	EET MID
Total/NA	Analysis	300.0	DL	10			43703	03/05/22 04:58	WP	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	43213	03/01/22 09:25	MD	EET HOU
Dissolved	Analysis	6020A		1			43304	03/01/22 17:56	SHZ	EET HOU
Dissolved	Analysis	7196A		1	100 mL	100 mL	20334	02/25/22 09:45	CH	EET MID
Total/NA	Analysis	SM 2540C		1	25 mL	1000 mL	778	03/01/22 17:00	DH	EET EP

Laboratory References:

EET EP = Eurofins El Paso, 200 East Sunset Rd., Suite E, El Paso, TX 79922, TEL (915)585-3443
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Water	Total TPH
Total BTEX		Water	Total BTEX

Laboratory: Eurofins El Paso

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704221-22-20	04-30-22

Laboratory: Eurofins Houston

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215-22-48	06-30-22

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET HOU
6020A	Metals (ICP/MS)	SW846	EET HOU
7196A	Chromium, Hexavalent	SW846	EET MID
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET EP
3010A	Preparation, Total Metals	SW846	EET HOU
5030B	Purge and Trap	SW846	EET MID
8015NM Aq Prep	Microextraction	SW846	EET MID

Protocol References:

EPA = US Environmental Protection Agency
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET EP = Eurofins El Paso, 200 East Sunset Rd., Suite E, El Paso, TX 79922, TEL (915)585-3443
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-11718-1	MW-14-W-220224	Water	02/24/22 07:52	02/24/22 17:20
880-11718-2	MW-30-W-220224	Water	02/24/22 08:29	02/24/22 17:20
880-11718-3	MW-9-W-220224	Water	02/24/22 09:12	02/24/22 17:20
880-11718-4	WW-7-W-220224	Water	02/24/22 09:39	02/24/22 17:20
880-11718-5	WW-2-W-220224	Water	02/24/22 10:16	02/24/22 17:20
880-11718-6	MW-29-W-220224	Water	02/24/22 10:56	02/24/22 17:20
880-11718-7	MW-8-W-220224	Water	02/24/22 11:29	02/24/22 17:20
880-11718-8	MW-34-W-220224	Water	02/24/22 12:09	02/24/22 17:20
880-11718-9	MWD-6-W-220224	Water	02/24/22 12:57	02/24/22 17:20
880-11718-10	Dup03-W-220224	Water	02/24/22 00:00	02/24/22 17:20
880-11718-11	MWD-15-W-220224	Water	02/24/22 09:35	02/24/22 17:20
880-11718-12	MWD-1-W-220224	Water	02/24/22 10:08	02/24/22 17:20
880-11718-13	MW-17-W-220224	Water	02/24/22 10:45	02/24/22 17:20
880-11718-14	MWD-7-W-220224	Water	02/24/22 11:10	02/24/22 17:20
880-11718-15	MWD-3-W-220224	Water	02/24/22 11:45	02/24/22 17:20
880-11718-16	MWD-17-W-220224	Water	02/24/22 12:45	02/24/22 17:20
880-11718-17	MW-22-W-220224	Water	02/24/22 12:08	02/24/22 17:20
880-11718-18	RW-7-W-220224	Water	02/24/22 13:20	02/24/22 17:20
880-11718-19	RW-6-W-220224	Water	02/24/22 13:48	02/24/22 17:20
880-11718-20	MWD-12-W-220224	Water	02/24/22 14:40	02/24/22 17:20
880-11718-21	MWD-5-W-220224	Water	02/24/22 13:35	02/24/22 17:20

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Chain of Custody

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Work Or

880-11718 Chain of Custody

2/24/2023 (Rev. 2)

Project Manager:	Rebecca Andresen	Bill to: (if different)	
Company Name:	ARCADIS	Company Name:	
Address:	1004 N. Big Spring St.	Address:	
City, State ZIP:	Midland, TX. 79701	City, State ZIP:	
Phone:	303-471-3477 Email:	andrew.demarco@arcadis.com	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: New Mexico
Reporting:Level II ☒ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☒ ADaPT ☐ Other:

Project Name:	Eunice Project- S. Eunice	Turn Around	
Project Number:	30049612	Routine ☐	
P.O. Number:		Rush:	
Sampler's Name:	Jerry Longwell/Daniel McGee	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	(Yes) No
Temperature (°C):	1.0/-0.9	Thermometer ID	
Received Intact:	(Yes) No	IR8	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.1
Sample Custody Seals:	Yes No (N/A)	Total Containers:	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX (EPA 8021B)	TPH (SW8015B)	Hex Chrome (SW7196A)	Dissolved Metals (SW6020_DIS): Chromium, Arsenic & Barium)	TDS (SM2540C)	Chlorides (EPA 300.0)
MW-4-W-220224	W	02/24/22	0752		9	X	X	X	X	X	X
MW-30-W-220224	W	02/24/22	0825		9	X	X	X	X	X	X
MW-2-W-220224	W	02/24/22	0912		9	X	X	X	X	X	X
MW-7-W-220224	W	02/24/22	0938		9	X	X	X	X	X	X
MW-2-W-220224	W	02/24/22	1016		9	X	X	X	X	X	X
MW-29-W-220224	W	02/24/22	1056		9	X	X	X	X	X	X
MW-8-W-220224	W	02/24/22	1129		9	X	X	X	X	X	X
MW-34-W-220224	W	02/24/22	1209		9	X	X	X	X	X	X
MW-6-W-220224	W	02/24/22	1257		9	X	X	X	X	X	X
DUP-3-W-220224	W	02/24/22			9	X	X	X	X	X	X

ANALYSIS REQUEST

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			2-24-22 / 1710	2		
3				4		
5				6		

Revised Date 051418 Rev. 2018.1

Received by OCD: 3/29/2023 1:18:07 PM

Released to Imaging: 4/10/2023 12:09:44 PM

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Chain of Custody

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www.xenco.com Page 2 of 3

Work Order No: 11718

Project Manager:	Rebecca Andresen	Bill to: (if different)	
Company Name:	ARCADIS	Company Name:	
Address:	1004 N. Big Spring St.	Address:	
City, State ZIP:	Midland, TX. 79701	City, State ZIP:	
Phone:	303-471-3477	Email:	andrew.demarco@arcadis.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: New Mexico
Reporting:Level II ☒ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☒ ADaPT ☐ Other:

Project Name:	Eunice Project- S. Eunice	Turn Around	
Project Number:	30049612	Routine ☐	
P.O. Number:		Rush:	
Sampler's Name:	Jerry Longwell/Daniel McGee	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	(Yes) No	
Temperature (°C):	1.0/0.9	Thermometer ID	IR 8	
Received Intact:	(Yes) No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.1	
Sample Custody Seals:	Yes No N/A	Total Containers:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX (EPA 8021B)	TPH (SW8015B)	Hex Chrome (SW7196A)	Dissolved Metals (SW6020_DIS): Chromium, Arsenic & Barium)	TDS (SM2540C)	Chlorides (EPA 300.0)
MWD-15-W-220224	W	2-24-22	0935	—	9	X	X	X	X	X	X
MWD-1-W-220224	W	2-24-22	1008	—	9	X	X	X	X	X	X
MWD-17-W-220224	W	2-24-22	1045	—	9	X	X	X	X	X	X
MWD-7-W-220224	W	2-24-22	1110	—	9	X	X	X	X	X	X
MWD-3-W-220224	W	2-24-22	1145	—	9	X	X	X	X	X	X
MWD-17-W-220224	W	2-24-22	1215	—	9	X	X	X	X	X	X
MW-22-W-220224	W	2-24-22	1208	—	9	X	X	X	X	X	X
RW-7-W-220224	W	2-24-22	1320	—	9	X	X	X	X	X	X
RW-6-W-220224	W	2-24-22	1348	—	9	X	X	X	X	X	X
MWD-12-220224	W	2-24-22	1440	—	9	X	X	X	X	X	X

ANALYSIS REQUEST

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		2-24-22/1710	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

2/24/2023 (Rev. 2)
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Received by OCD: 3/29/2023 1:18:07 PM
Released to Imaging: 4/10/2023 12:09:44 PM

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Chain of Custody

Work Order No: 11718

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Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)
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Project Manager:	Rebecca Andresen	Bill to: (if different)	
Company Name:	ARCADIS	Company Name:	
Address:	1004 N. Big Spring St.	Address:	
City, State ZIP:	Midland, TX. 79701	City, State ZIP:	
Phone:	303-471-3477	Email:	andrew.demarco@arcadis.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: New Mexico
Reporting: Level II ☒ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☒ ADaPT ☐ Other:

Project Name:	Eunice Project- S. Eunice	Turn Around	
Project Number:	30049612	Routine ☐	
P.O. Number:		Rush:	
Sampler's Name:	Jerry Longwell/Daniel McGee	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	(Yes) No	
Temperature (°C):	1.0 / 0.9	Thermometer ID	IR 8	
Received Intact:	(Yes) No			
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.1	
Sample Custody Seals:	Yes No (N/A)	Total Containers:		

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX (EPA 8021B)	TPH (SW8015B)	Hex Chrome (SW7196A)	Dissolved Metals (SW6020_DIS): Chromium, Arsenic & Barium)	TDS (SM2540C)	Chlorides (EPA 300.0)
MW D-5-W-220224	W	2/24/22	1335		8	X	X	X	X	X	X

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010:** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			2-24-22 / 1740	2		
3				4		
5				6		

Revised Date 051418 Rev. 2018.1

Received by OCD: 3/29/2023 1:18:07 PM
2/24/2023 (Rev. 2)
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Released to Imaging: 4/10/2023 12:09:44 PM

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Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Builes, John	Carrier Tracking No(s):	COC No: 880-3885.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: john.builes@eurofinset.com	State of Origin: Texas	Page: Page 1 of 3
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 880-11718-1
Address: 200 East Sunset Rd., Suite E,	Due Date Requested: 3/2/2022			
City: El Paso	TAT Requested (days):			
State, Zip: TX, 79922				
Phone: 915-585-3443(Tel)	PO #:			
Email:	WO #:			
Project Name: Eunice Project-S.Eunice	Project #: 88000209			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C_Calcd	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-4-W-220224 (880-11718-1)	2/24/22	07:52 Central		Water			X	1	
MW-30-W-220224 (880-11718-2)	2/24/22	08:29 Central		Water			X	1	
MW-9-W-220224 (880-11718-3)	2/24/22	09:12 Central		Water			X	1	
WW-7-W-220224 (880-11718-4)	2/24/22	09:39 Central		Water			X	1	
WW-2-W-220224 (880-11718-5)	2/24/22	10:16 Central		Water			X	1	
MW-29-W-220224 (880-11718-6)	2/24/22	10:56 Central		Water			X	1	
MW-8-W-220224 (880-11718-7)	2/24/22	11:29 Central		Water			X	1	
MW-34-W-220224 (880-11718-8)	2/24/22	12:09 Central		Water			X	1	
MWD-6-W-220224 (880-11718-9)	2/24/22	12:57 Central		Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by:	Date/Time	Company	Received by		Date/Time: 02-28-22 10:30	Company: EPSC
Relinquished by	Date/Time	Company	Received by		Date/Time	Company
Relinquished by	Date/Time	Company	Received by		Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:
	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Received by OCD: 3/29/2023 1:18:07 PM
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2/24/2023 (Rev. 2)
Released to Imaging: 4/10/2023 12:09:44 PM

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Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Builes, John	Carrier Tracking No(s):	COC No: 880-3885.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: john.builes@eurofinset.com	State of Origin: Texas	Page: Page 2 of 3
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 880-11718-1
Address: 200 East Sunset Rd., Suite E,	Due Date Requested: 3/2/2022			
City: El Paso	TAT Requested (days):			
State, Zip: TX, 79922				
Phone: 915-585-3443(Tel)	PO #:			
Email:	WO #:			
Project Name: Eunice Project-S.Eunice	Project #: 88000209			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C_Calcd	Total Number of containers	Special Instructions/Note:
Dup03-W-220224 (880-11718-10)	2/24/22	Central		Water			X		
MWD-15-W-220224 (880-11718-11)	2/24/22	09:35 Central		Water			X		
MWD-1-W-220224 (880-11718-12)	2/24/22	10:08 Central		Water			X		
MW-17-W-220224 (880-11718-13)	2/24/22	10:45 Central		Water			X		
MWD-7-W-220224 (880-11718-14)	2/24/22	11:10 Central		Water			X		
MWD-3-W-220224 (880-11718-15)	2/24/22	11:45 Central		Water			X		
MWD-17-W-220224 (880-11718-16)	2/24/22	12:45 Central		Water			X		
MW-22-W-220224 (880-11718-17)	2/24/22	12:08 Central		Water			X		
RW-7-W-220224 (880-11718-18)	2/24/22	13:20 Central		Water			X		

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Katerin Rodriguez				2-28-22 10:30	ELPCSC
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Received by OCD: 3/29/2023 1:18:07 PM

Released to Imaging: 4/10/2023 12:09:44 PM

2/24/2023 (Rev. 2)

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Eurofins Midland
1211 W Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Temp: 2.4 IR ID:HOU-323
C/F:+0.2
Corrected Temp: 2.6

Chain of Custody Record

fins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Builes, John	
Client Contact: Shipping/Receiving	Phone:	E-Mail: john.builes@eurofinset.com	Texas

Company: Eurofins Environment Testing South Centr
Address: 4145 Greenbriar Dr
City: Stafford
State, Zip: TX, 77477
Phone: 281-240-4200(Tel)
Email:
Project Name: Eunice Project-S.Eunice
Site:

Due Date Requested: 3/2/2022
TAT Requested (days):
PO #:
WO #:
Project #: 88000209
SSOW#:

Accreditations Required (See note): NELAP Texas

Job #: 880-11718-1

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Analysis Requested

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Perform MS/MSD (Y or N)	Field Filtered Sample (Y or N)	6020A/FIELD_FLTRD (MOD) Custom List	300_ORGFM_28D/ Chloride	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MW-4-W-220224 (880-11718-1)	2/24/22	07:52 Central		Water			X	X	2	
MW-30-W-220224 (880-11718-2)	2/24/22	08:29 Central		Water			X	X	2	
MW-9-W-220224 (880-11718-3)	2/24/22	09:12 Central		Water			X	X	2	
WW-7-W-220224 (880-11718-4)	2/24/22	09:39 Central		Water			X	X	2	
WW-2-W-220224 (880-11718-5)	2/24/22	10:16 Central		Water			X	X	2	
MW-29-W-220224 (880-11718-6)	2/24/22	10:56 Central		Water			X	X	2	
MW-8-W-220224 (880-11718-7)	2/24/22	11:29 Central		Water			X	X	2	
MW-34-W-220224 (880-11718-8)	2/24/22	12:09 Central		Water			X	X	2	
MWD-6-W-220224 (880-11718-9)	2/24/22	12:57 Central		Water			X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin isted above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central LLC.

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I II III IV Other (specify) Primary Deliverable Rank: 2

Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Adrian Rodriguez			Sandra Lopez	2/26/22 1227	Xenco
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.
Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Received by OCD: 3/29/2023 1:18:07 PM
Released to Imaging: 4/10/2023 12:09:44 PM

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Eurofins Midland
1211 W Florida Ave
Midland TX 79701
Phone: 432-704-5440

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Builes John	Carrier Tracking No(s):	COC No: 880-3884.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: john.builes@eurofinset com	State of Origin: Texas	Page: Page 2 of 3
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 880-11718-1
Address: 4145 Greenbriar Dr	Due Date Requested: 3/2/2022			
City: Stafford	TAT Requested (days):			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			
Email:	WO #:			
Project Name: Eunice Project-S.Eunice	Project #: 88000209			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	6020A/FIELD_FLTRD (MOD) Custom List	300_ORGFM_28D/ Chloride	Special Instructions/Note:
Dup03-W-220224 (880-11718-10)	2/24/22	Central		Water	X	X	
MWD-15-W-220224 (880-11718-11)	2/24/22	09:35 Central		Water	X	X	
MWD-1-W-220224 (880-11718-12)	2/24/22	10:08 Central		Water	X	X	
MW-17-W-220224 (880-11718-13)	2/24/22	10:45 Central		Water	X	X	
MWD-7-W-220224 (880-11718-14)	2/24/22	11 10 Central		Water	X	X	
MWD-3-W-220224 (880-11718-15)	2/24/22	11:45 Central		Water	X	X	
MWD-17-W-220224 (880-11718-16)	2/24/22	12:45 Central		Water	X	X	
MW-22-W-220224 (880-11718-17)	2/24/22	12:08 Central		Water	X	X	
RW-7-W-220224 (880-11718-18)	2/24/22	13:20 Central		Water	X	X	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I II III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]			[signature]	2/26/22 1227	Xenco
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver 06/08/2021

Received by OCD: 3/29/2023 1:18:07 PM

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2/24/2023 (Rev. 2)

Released to Imaging: 4/10/2023 12:09:44 PM

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Eurofins Midland
1211 W Florida Ave
Midland TX 79701
Phone: 432-704-5440

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Builes, John	Carrier Tracking No(s):	COC No: 880-3884.3
Client Contact: Shipping/Receiving	Phone:	E-Mail: john.builes@eurofinset.com	State of Origin: Texas	Page: Page 3 of 3
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 880-11718-1
Address: 4145 Greenbriar Dr	Due Date Requested: 3/2/2022			
City: Stafford	TAT Requested (days):			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			
Email:	WO #:			
Project Name: Eunice Project-S.Eunice	Project #: 88000209			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020A/FIELD_FLTRD (MOD) Custom List	300_ORGFM_28D/ Chloride	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
RW-6-W-220224 (880-11718-19)	2/24/22	13:48 Central		Water			X	X	2	
MWD-12-W-220224 (880-11718-20)	2/24/22	14:40 Central		Water			X	X	2	
MWD-5-W-220224 (880-11718-21)	2/24/22	13:35 Central		Water			X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I II III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Patricia Rodriguez			Sandra Ines	2/26/22 1227	Xenco
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Received by OCD: 3/29/2023 1:18:07 PM
Released to Imaging: 4/10/2023 12:09:44 PM
2/24/2023 (Rev. 2)
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Eurofins Midland
1211 W Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Temp: 2.4 IR ID:HOU-323
C/F+0.2
Corrected Temp: 2.6

Chain of Custody Record

880-11718 Chain of Custody

fins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Builes, John	1.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: john builes@eurofinset.com	Texas — of 3

Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas	Job #: 880-11718-1
Address: 4145 Greenbriar Dr	Due Date Requested: 3/2/2022	Analysis Requested	Preservation Codes:
City: Stafford	TAT Requested (days):		A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Z other (specify)
State, Zip: TX, 77477			
Phone: 281-240-4200(Tel)	PO #:		
Email:	WO #:		Other:
Project Name: Eunice Project-S.Eunice	Project #: 88000209		
Site:	SSOW#:		

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020A/FIELD_FLTRD (MOD) Custom List	300_ORGFM_28D/ Chloride	Total Number of Containers	Special Instructions/Note:
			Preservation Codes:							
MW-4-W-220224 (880-11718-1)	2/24/22	07:52 Central		Water			X	X	2	
MW-30-W-220224 (880-11718-2)	2/24/22	08:29 Central		Water			X	X	2	
MW-9-W-220224 (880-11718-3)	2/24/22	09:12 Central		Water			X	X	2	
WW-7-W-220224 (880-11718-4)	2/24/22	09:39 Central		Water			X	X	2	
WW-2-W-220224 (880-11718-5)	2/24/22	10:16 Central		Water			X	X	2	
MW-29-W-220224 (880-11718-6)	2/24/22	10:56 Central		Water			X	X	2	
MW-8-W-220224 (880-11718-7)	2/24/22	11:29 Central		Water			X	X	2	
MW-34-W-220224 (880-11718-8)	2/24/22	12:09 Central		Water			X	X	2	
MWD-6-W-220224 (880-11718-9)	2/24/22	12:57 Central		Water			X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I II III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Adriana Rodriguez			Sandra Lopez	2/26/22 1227	Xenco
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Received by OCD: 3/29/2023 1:18:07 PM

Released to Imaging: 4/10/2023 12:09:44 PM

2/24/2023 (Rev. 2)

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Eurofins Midland
1211 W Florida Ave
Midland TX 79701
Phone: 432-704-5440

Temp: 2.4 IR ID:HOU-323
C/F:+0.2
Corrected Temp: 2.6

Chain of Custody Record

880-11718 Chain of Custody

fins Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Builes, John	1.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: john builes@eurofinset.com	Texas	of 3
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas	Job #: 880-11718-1
Address: 4145 Greenbriar Dr	Due Date Requested: 3/2/2022	Analysis Requested	Preservation Codes:
City: Stafford	TAT Requested (days):		A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Z other (specify)
State, Zip: TX, 77477			
Phone: 281-240-4200(Tel)	PO #:		
Email:	WO #:		Other
Project Name: Eunice Project-S.Eunice	Project #: 88000209		
Site:	SSOW#:		

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020A/FIELD_FLTRD (MOD) Custom List	300_ORGFM_28D/ Chloride	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MW-4-W-220224 (880-11718-1)	2/24/22	07:52 Central		Water			X	X	2	
MW-30-W-220224 (880-11718-2)	2/24/22	08:29 Central		Water			X	X	2	
MW-9-W-220224 (880-11718-3)	2/24/22	09:12 Central		Water			X	X	2	
WW-7-W-220224 (880-11718-4)	2/24/22	09:39 Central		Water			X	X	2	
WW-2-W-220224 (880-11718-5)	2/24/22	10:16 Central		Water			X	X	2	
MW-29-W-220224 (880-11718-6)	2/24/22	10:56 Central		Water			X	X	2	
MW-8-W-220224 (880-11718-7)	2/24/22	11:29 Central		Water			X	X	2	
MW-34-W-220224 (880-11718-8)	2/24/22	12:09 Central		Water			X	X	2	
MWD-6-W-220224 (880-11718-9)	2/24/22	12:57 Central		Water			X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I II III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Patricia Rodriguez			Sandra Lopez	2/26/22 1227	Xenco
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Received by OCD: 3/29/2023 1:18:07 PM

Released to Imaging: 4/10/2023 12:09:44 PM

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 880-11718-1
SDG Number: 30049612

Login Number: 11718
List Number: 1
Creator: Teel, Brianna

List Source: Eurofins Midland

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

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 880-11718-1
SDG Number: 30049612

Login Number: 11718
List Number: 3
Creator: Aparicio, Niria

List Source: Eurofins El Paso
List Creation: 02/28/22 11:11 AM

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

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 880-11718-1
SDG Number: 30049612

Login Number: 11718
List Number: 2
Creator: Torres, Sandra

List Source: Eurofins Houston
List Creation: 02/26/22 02:56 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-11745-1
Laboratory Sample Delivery Group: 30019612
Client Project/Site: Eunice Project-S. Eunice

For:
ARCADIS U.S., Inc.
1004 North Big Spring
Suite 300
Midland, Texas 79701

Attn: Andrew DeMarco

Holly Taylor

Authorized for release by:
3/10/2022 2:12:28 PM
Holly Taylor, Project Manager
holly.taylor@eurofinset.com

Designee for

John Builes, Project Manager
(281)240-4200
john.builes@eurofinset.com

LINKS

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www.eurofinsus.com/Env

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

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

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Laboratory Job ID: 880-11745-1
SDG: 30019612

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Definitions/Glossary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

Qualifiers

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points

Definitions/Glossary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

Job ID: 880-11745-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-11745-1

Comments
No additional comments.

Receipt
The samples were received on 2/25/2022 3:20 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.5º C.

GC VOA
Method 8021B: The continuing calibration verification (CCV) associated with batch 880-20710 recovered under the lower control limit for < o-Xylene and Toluene>. The samples associated with this CCV were will rerun for verification ; therefore, the data have been reported.

Method 8021B: The following samples were diluted due to the nature of the sample matrix: DUP04-W-220225 (880-11745-5), MW-32-W-220225 (880-11745-6), MW-26-W-220225 (880-11745-7), MW-11-W-220225 (880-11745-8) and TMW-6-W-220225 (880-11745-9) at 10.0, 10.0, 10.0, 10.0 and 10.0. Elevated reporting limits (RLs) are provided.

Method 8021B: The following samples were diluted due to the nature of the sample matrix: MWD-14-W-220225 (880-11745-3) and MW-25-W-220225 (880-11745-4) at 100.0 and 100.0. Elevated reporting limits (RLs) are provided.

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

GC Semi VOA
Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (880-11679-B-14-B). Evidence of matrix interferences is not obvious.

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

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

Field Service / Mobile Lab
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method 7196A: Sample 880-11745-8 did not generate the appropriate color change indicating the absence of Hexavalent Chromium. The result recovered, 0.022 ABS/ 0.009035 mg/L, was likely due to iron interference and therefore the sample was reported as zero. MW-11-W-220225 (880-11745-8)

Method 7196A: Sample 880-11745-9 did not generate the appropriate color change indicating the absence of Hexavalent Chromium. The result recovered, 0.013 ABS/ 0.005632 mg/L, was likely due to iron interference and therefore the sample was reported as zero. TMW-6-W-220225 (880-11745-9)

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

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

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

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

Client Sample ID: MWD-4-W-220225

Date Collected: 02/25/22 09:15
Date Received: 02/25/22 15:20

Lab Sample ID: 880-11745-1

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00222**		0.00200	0.000408	mg/L			03/03/22 13:00	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/03/22 13:00	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/03/22 13:00	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 13:00	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 13:00	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 13:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*03/03/22 13:00*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*		*03/03/22 13:00*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00222**	**J**	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.887	U	4.49	0.887	mg/L			03/02/22 10:10	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.887	U	4.49	0.887	mg/L		02/28/22 14:50	03/01/22 23:00	1
Diesel Range Organics (Over C10-C28)	<0.887	U	4.49	0.887	mg/L		02/28/22 14:50	03/01/22 23:00	1
Oil Range Organics (Over C28-C36)	<0.856	U	4.49	0.856	mg/L		02/28/22 14:50	03/01/22 23:00	1
Total TPH	<0.887	U	4.49	0.887	mg/L		02/28/22 14:50	03/01/22 23:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*02/28/22 14:50*	*03/01/22 23:00*	*1*
o-Terphenyl	*104*		*70 - 130*	*02/28/22 14:50*	*03/01/22 23:00*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**90.9**		5.00	2.00	mg/L			03/08/22 21:52	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00264**	**J**	0.00400	0.000246	mg/L		03/02/22 10:00	03/02/22 17:55	1
Barium	**0.0751**		0.00400	0.000484	mg/L		03/02/22 10:00	03/02/22 17:55	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/02/22 10:00	03/02/22 17:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**952**		50.0	50.0	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 15:52	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

Client Sample ID: MWD-13-W-220225

Date Collected: 02/25/22 10:00
Date Received: 02/25/22 15:20

Lab Sample ID: 880-11745-2

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/03/22 13:27	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/03/22 13:27	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/03/22 13:27	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 13:27	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 13:27	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*		*03/03/22 13:27*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*		*03/03/22 13:27*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.890	U	4.50	0.890	mg/L			03/02/22 10:10	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.890	U	4.50	0.890	mg/L		02/28/22 14:50	03/01/22 23:22	1
Diesel Range Organics (Over C10-C28)	<0.890	U	4.50	0.890	mg/L		02/28/22 14:50	03/01/22 23:22	1
Oil Range Organics (Over C28-C36)	<0.859	U	4.50	0.859	mg/L		02/28/22 14:50	03/01/22 23:22	1
Total TPH	<0.890	U	4.50	0.890	mg/L		02/28/22 14:50	03/01/22 23:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*02/28/22 14:50*	*03/01/22 23:22*	*1*
o-Terphenyl	*105*		*70 - 130*	*02/28/22 14:50*	*03/01/22 23:22*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2210**		5.00	2.00	mg/L			03/08/22 22:27	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0556**		0.00400	0.000246	mg/L		03/02/22 10:00	03/02/22 17:58	1
Barium	**0.117**		0.00400	0.000484	mg/L		03/02/22 10:00	03/02/22 17:58	1
Chromium	**0.00218**	**J**	0.00400	0.000525	mg/L		03/02/22 10:00	03/02/22 17:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**7470**		500	500	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 15:52	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

Client Sample ID: MWD-14-W-220225

Date Collected: 02/25/22 10:38
Date Received: 02/25/22 15:20

Lab Sample ID: 880-11745-3

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.211**		0.200	0.0408	mg/L			03/05/22 15:53	100
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/03/22 17:52	1
Ethylbenzene	**0.0425**		0.00200	0.000657	mg/L			03/03/22 17:52	1
m-Xylene & p-Xylene	**0.00141**	**J**	0.00400	0.000629	mg/L			03/03/22 17:52	1
o-Xylene	**0.00161**	**J**	0.00200	0.000642	mg/L			03/03/22 17:52	1
Xylenes, Total	**0.00302**	**J**	0.00400	0.000642	mg/L			03/03/22 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*03/03/22 17:52*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*		*03/03/22 17:52*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.257**		0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.890	U	4.50	0.890	mg/L			03/02/22 10:10	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.890	U	4.50	0.890	mg/L		02/28/22 14:50	03/01/22 23:43	1
Diesel Range Organics (Over C10-C28)	<0.890	U	4.50	0.890	mg/L		02/28/22 14:50	03/01/22 23:43	1
Oil Range Organics (Over C28-C36)	<0.859	U	4.50	0.859	mg/L		02/28/22 14:50	03/01/22 23:43	1
Total TPH	<0.890	U	4.50	0.890	mg/L		02/28/22 14:50	03/01/22 23:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*02/28/22 14:50*	*03/01/22 23:43*	*1*
o-Terphenyl	*102*		*70 - 130*	*02/28/22 14:50*	*03/01/22 23:43*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**501**		5.00	2.00	mg/L			03/08/22 22:38	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.000476**	**J**	0.00400	0.000246	mg/L		03/02/22 10:00	03/02/22 18:01	1
Barium	**1.15**		0.00400	0.000484	mg/L		03/02/22 10:00	03/02/22 18:01	1
Chromium	**0.000888**	**J**	0.00400	0.000525	mg/L		03/02/22 10:00	03/02/22 18:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**2880**		200	200	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 15:52	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

Client Sample ID: MW-25-W-220225

Date Collected: 02/25/22 11:10
Date Received: 02/25/22 15:20

Lab Sample ID: 880-11745-4

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.959**		0.200	0.0408	mg/L			03/05/22 16:19	100
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/03/22 18:18	1
Ethylbenzene	**0.0183**		0.00200	0.000657	mg/L			03/03/22 18:18	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 18:18	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 18:18	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*		*03/03/22 18:18*	*1*
1,4-Difluorobenzene (Surr)	*138*	*S1+*	*70 - 130*		*03/03/22 18:18*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.977**		0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.880	U	4.45	0.880	mg/L			03/02/22 10:10	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.880	U	4.45	0.880	mg/L		02/28/22 14:50	03/02/22 00:05	1
Diesel Range Organics (Over C10-C28)	<0.880	U	4.45	0.880	mg/L		02/28/22 14:50	03/02/22 00:05	1
Oil Range Organics (Over C28-C36)	<0.849	U	4.45	0.849	mg/L		02/28/22 14:50	03/02/22 00:05	1
Total TPH	<0.880	U	4.45	0.880	mg/L		02/28/22 14:50	03/02/22 00:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*02/28/22 14:50*	*03/02/22 00:05*	*1*
o-Terphenyl	*108*		*70 - 130*	*02/28/22 14:50*	*03/02/22 00:05*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2410**		5.00	2.00	mg/L			03/08/22 22:49	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0126**		0.00400	0.000246	mg/L		03/02/22 10:00	03/02/22 18:04	1
Barium	**1.53**		0.00400	0.000484	mg/L		03/02/22 10:00	03/02/22 18:04	1
Chromium	**0.00142**	**J**	0.00400	0.000525	mg/L		03/02/22 10:00	03/02/22 18:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**5960**		500	500	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 15:52	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

Client Sample ID: DUP04-W-220225

Date Collected: 02/25/22 00:00
Date Received: 02/25/22 15:20

Lab Sample ID: 880-11745-5

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.19**		0.0200	0.00408	mg/L			03/04/22 20:52	10
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/03/22 18:45	1
Ethylbenzene	**0.0159**		0.00200	0.000657	mg/L			03/03/22 18:45	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 18:45	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 18:45	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*		*03/03/22 18:45*	*1*
1,4-Difluorobenzene (Surr)	*142*	*S1+*	*70 - 130*		*03/03/22 18:45*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**1.21**		0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1.11**	**J**	4.45	0.880	mg/L			03/02/22 10:10	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**1.11**	**J**	4.45	0.880	mg/L		02/28/22 14:50	03/02/22 00:26	1
Diesel Range Organics (Over C10-C28)	<0.880	U	4.45	0.880	mg/L		02/28/22 14:50	03/02/22 00:26	1
Oil Range Organics (Over C28-C36)	<0.849	U	4.45	0.849	mg/L		02/28/22 14:50	03/02/22 00:26	1
Total TPH	**1.11**	**J**	4.45	0.880	mg/L		02/28/22 14:50	03/02/22 00:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*02/28/22 14:50*	*03/02/22 00:26*	*1*
o-Terphenyl	*119*		*70 - 130*	*02/28/22 14:50*	*03/02/22 00:26*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2450**		5.00	2.00	mg/L			03/08/22 23:01	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0122**		0.00400	0.000246	mg/L		03/02/22 10:00	03/02/22 18:08	1
Barium	**1.53**		0.00400	0.000484	mg/L		03/02/22 10:00	03/02/22 18:08	1
Chromium	**0.00148**	**J**	0.00400	0.000525	mg/L		03/02/22 10:00	03/02/22 18:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**6040**		500	500	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 15:52	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

Client Sample ID: MW-32-W-220225

Date Collected: 02/25/22 08:15
Date Received: 02/25/22 15:20

Lab Sample ID: 880-11745-6

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.595**		0.0200	0.00408	mg/L			03/04/22 21:18	10
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/03/22 19:11	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/03/22 19:11	1
m-Xylene & p-Xylene	**0.000644**	**J**	0.00400	0.000629	mg/L			03/03/22 19:11	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 19:11	1
Xylenes, Total	**0.000644**	**J**	0.00400	0.000642	mg/L			03/03/22 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*		*03/03/22 19:11*	*1*
1,4-Difluorobenzene (Surr)	*131*	*S1+*	*70 - 130*		*03/03/22 19:11*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.596**		0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1.81**	**J**	4.49	0.887	mg/L			03/02/22 10:10	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.887	U	4.49	0.887	mg/L		02/28/22 14:50	03/02/22 00:48	1
Diesel Range Organics (Over C10-C28)	**1.81**	**J**	4.49	0.887	mg/L		02/28/22 14:50	03/02/22 00:48	1
Oil Range Organics (Over C28-C36)	<0.856	U	4.49	0.856	mg/L		02/28/22 14:50	03/02/22 00:48	1
Total TPH	**1.81**	**J**	4.49	0.887	mg/L		02/28/22 14:50	03/02/22 00:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*02/28/22 14:50*	*03/02/22 00:48*	*1*
o-Terphenyl	*103*		*70 - 130*	*02/28/22 14:50*	*03/02/22 00:48*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**730**		5.00	2.00	mg/L			03/08/22 23:12	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0487**		0.00400	0.000246	mg/L		03/02/22 10:00	03/02/22 18:11	1
Barium	**2.37**		0.100	0.0121	mg/L		03/02/22 10:00	03/03/22 13:26	25
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/02/22 10:00	03/02/22 18:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**2680**		200	200	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 15:52	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

Client Sample ID: MW-26-W-220225

Date Collected: 02/25/22 08:50
Date Received: 02/25/22 15:20

Lab Sample ID: 880-11745-7

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.371**		0.0200	0.00408	mg/L			03/04/22 21:45	10
Toluene	<0.00367	U	0.0200	0.00367	mg/L			03/04/22 21:45	10
Ethylbenzene	<0.00657	U	0.0200	0.00657	mg/L			03/04/22 21:45	10
m-Xylene & p-Xylene	<0.00629	U	0.0400	0.00629	mg/L			03/04/22 21:45	10
o-Xylene	<0.00642	U	0.0200	0.00642	mg/L			03/04/22 21:45	10
Xylenes, Total	<0.00642	U	0.0400	0.00642	mg/L			03/04/22 21:45	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*03/04/22 21:45*	*10*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*		*03/04/22 21:45*	*10*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.371**		0.0400	0.00657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**4.31**	**J**	4.49	0.887	mg/L			03/02/22 10:10	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.887	U	4.49	0.887	mg/L		02/28/22 14:50	03/02/22 01:31	1
Diesel Range Organics (Over C10-C28)	**4.31**	**J**	4.49	0.887	mg/L		02/28/22 14:50	03/02/22 01:31	1
Oil Range Organics (Over C28-C36)	<0.856	U	4.49	0.856	mg/L		02/28/22 14:50	03/02/22 01:31	1
Total TPH	**4.31**	**J**	4.49	0.887	mg/L		02/28/22 14:50	03/02/22 01:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*02/28/22 14:50*	*03/02/22 01:31*	*1*
o-Terphenyl	*101*		*70 - 130*	*02/28/22 14:50*	*03/02/22 01:31*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**159**		0.500	0.200	mg/L			03/08/22 23:23	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0590**		0.00400	0.000246	mg/L		03/02/22 10:00	03/02/22 18:14	1
Barium	**4.81**		0.200	0.0242	mg/L		03/02/22 10:00	03/03/22 13:29	50
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/02/22 10:00	03/02/22 18:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1040**		50.0	50.0	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 15:52	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

Client Sample ID: MW-11-W-220225

Date Collected: 02/25/22 09:44
Date Received: 02/25/22 15:20

Lab Sample ID: 880-11745-8

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.25**		0.0200	0.00408	mg/L			03/04/22 22:11	10
Toluene	<0.00367	U	0.0200	0.00367	mg/L			03/04/22 22:11	10
Ethylbenzene	<0.00657	U	0.0200	0.00657	mg/L			03/04/22 22:11	10
m-Xylene & p-Xylene	**0.00689**	**J**	0.0400	0.00629	mg/L			03/04/22 22:11	10
o-Xylene	<0.00642	U	0.0200	0.00642	mg/L			03/04/22 22:11	10
Xylenes, Total	**0.00689**	**J**	0.0400	0.00642	mg/L			03/04/22 22:11	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*03/04/22 22:11*	*10*
1,4-Difluorobenzene (Surr)	*121*		*70 - 130*		*03/04/22 22:11*	*10*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**1.26**		0.0400	0.00657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1.26**	**J**	4.48	0.885	mg/L			03/02/22 10:10	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**1.26**	**J**	4.48	0.885	mg/L		02/28/22 14:50	03/02/22 01:53	1
Diesel Range Organics (Over C10-C28)	<0.885	U	4.48	0.885	mg/L		02/28/22 14:50	03/02/22 01:53	1
Oil Range Organics (Over C28-C36)	<0.854	U	4.48	0.854	mg/L		02/28/22 14:50	03/02/22 01:53	1
Total TPH	**1.26**	**J**	4.48	0.885	mg/L		02/28/22 14:50	03/02/22 01:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*02/28/22 14:50*	*03/02/22 01:53*	*1*
o-Terphenyl	*106*		*70 - 130*	*02/28/22 14:50*	*03/02/22 01:53*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**66.7**		0.500	0.200	mg/L			03/08/22 23:35	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0290**		0.00400	0.000246	mg/L		03/02/22 10:00	03/02/22 18:17	1
Barium	**1.14**		0.00400	0.000484	mg/L		03/02/22 10:00	03/02/22 18:17	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/02/22 10:00	03/02/22 18:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**826**		50.0	50.0	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 15:52	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

Client Sample ID: TMW-6-W-220225

Date Collected: 02/25/22 10:09
Date Received: 02/25/22 15:20

Lab Sample ID: 880-11745-9

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00435**	**J**	0.0200	0.00408	mg/L			03/04/22 22:38	10
Toluene	<0.00367	U	0.0200	0.00367	mg/L			03/04/22 22:38	10
Ethylbenzene	<0.00657	U	0.0200	0.00657	mg/L			03/04/22 22:38	10
m-Xylene & p-Xylene	<0.00629	U	0.0400	0.00629	mg/L			03/04/22 22:38	10
o-Xylene	<0.00642	U	0.0200	0.00642	mg/L			03/04/22 22:38	10
Xylenes, Total	<0.00642	U	0.0400	0.00642	mg/L			03/04/22 22:38	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*03/04/22 22:38*	*10*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*		*03/04/22 22:38*	*10*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00657	U	0.0400	0.00657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.887	U	4.49	0.887	mg/L			03/02/22 10:10	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.887	U	4.49	0.887	mg/L		02/28/22 14:50	03/02/22 02:14	1
Diesel Range Organics (Over C10-C28)	<0.887	U	4.49	0.887	mg/L		02/28/22 14:50	03/02/22 02:14	1
Oil Range Organics (Over C28-C36)	<0.856	U	4.49	0.856	mg/L		02/28/22 14:50	03/02/22 02:14	1
Total TPH	<0.887	U	4.49	0.887	mg/L		02/28/22 14:50	03/02/22 02:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*02/28/22 14:50*	*03/02/22 02:14*	*1*
o-Terphenyl	*103*		*70 - 130*	*02/28/22 14:50*	*03/02/22 02:14*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**112**		0.500	0.200	mg/L			03/08/22 23:46	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0713**		0.00400	0.000246	mg/L		03/02/22 10:00	03/02/22 18:20	1
Barium	**0.868**		0.00400	0.000484	mg/L		03/02/22 10:00	03/02/22 18:20	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/02/22 10:00	03/02/22 18:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1090**		50.0	50.0	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 15:52	1

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-11745-1	MWD-4-W-220225	93	108
880-11745-2	MWD-13-W-220225	87	107
880-11745-3	MWD-14-W-220225	101	111
880-11745-4	MW-25-W-220225	121	138 S1+
880-11745-5	DUP04-W-220225	131 S1+	142 S1+
880-11745-6	MW-32-W-220225	112	131 S1+
880-11745-7	MW-26-W-220225	95	117
880-11745-8	MW-11-W-220225	97	121
880-11745-9	TMW-6-W-220225	93	104
LCS 880-20710/34	Lab Control Sample	88	111
LCS 880-20858/3	Lab Control Sample	87	117
LCS 880-20952/3	Lab Control Sample	91	117
LCSD 880-20710/35	Lab Control Sample Dup	82	103
LCSD 880-20858/4	Lab Control Sample Dup	91	120
LCSD 880-20952/4	Lab Control Sample Dup	73	104
MB 880-20605/5-A	Method Blank	49 S1-	101
MB 880-20710/39	Method Blank	47 S1-	103
MB 880-20858/8	Method Blank	47 S1-	106
MB 880-20952/8	Method Blank	48 S1-	106

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-11745-1	MWD-4-W-220225	101	104
880-11745-2	MWD-13-W-220225	99	105
880-11745-3	MWD-14-W-220225	97	102
880-11745-4	MW-25-W-220225	103	108
880-11745-5	DUP04-W-220225	111	119
880-11745-6	MW-32-W-220225	98	103
880-11745-7	MW-26-W-220225	97	101
880-11745-8	MW-11-W-220225	99	106
880-11745-9	TMW-6-W-220225	102	103
LCS 880-20527/2-A	Lab Control Sample	106	94
LCSD 880-20527/3-A	Lab Control Sample Dup	103	97
MB 880-20527/1-A	Method Blank	121	128

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-20605/5-A
Matrix: Water
Analysis Batch: 20710

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20605

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L		03/02/22 16:00	03/02/22 20:20	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L		03/02/22 16:00	03/02/22 20:20	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L		03/02/22 16:00	03/02/22 20:20	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L		03/02/22 16:00	03/02/22 20:20	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L		03/02/22 16:00	03/02/22 20:20	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L		03/02/22 16:00	03/02/22 20:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*49*	*S1-*	*70 - 130*	*03/02/22 16:00*	*03/02/22 20:20*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*03/02/22 16:00*	*03/02/22 20:20*	*1*

Lab Sample ID: MB 880-20710/39
Matrix: Water
Analysis Batch: 20710

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/03/22 11:41	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/03/22 11:41	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/03/22 11:41	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 11:41	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 11:41	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 11:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*47*	*S1-*	*70 - 130*		*03/03/22 11:41*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*		*03/03/22 11:41*	*1*

Lab Sample ID: LCS 880-20710/34
Matrix: Water
Analysis Batch: 20710

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09762		mg/L		98	70 - 130
Toluene	0.100	0.08487		mg/L		85	70 - 130
Ethylbenzene	0.100	0.09152		mg/L		92	70 - 130
m-Xylene & p-Xylene	0.200	0.1865		mg/L		93	70 - 130
o-Xylene	0.100	0.09212		mg/L		92	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: LCSD 880-20710/35
Matrix: Water
Analysis Batch: 20710

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08941		mg/L		89	70 - 130	9	20

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

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

Lab Sample ID: LCSD 880-20710/35
Matrix: Water
Analysis Batch: 20710

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene			0.100	0.07883		mg/L		79	70 - 130	7	20
Ethylbenzene			0.100	0.08480		mg/L		85	70 - 130	8	20
m-Xylene & p-Xylene			0.200	0.1735		mg/L		87	70 - 130	7	20
o-Xylene			0.100	0.08676		mg/L		87	70 - 130	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: MB 880-20858/8
Matrix: Water
Analysis Batch: 20858

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/04/22 14:41	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/04/22 14:41	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/04/22 14:41	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/04/22 14:41	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/04/22 14:41	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/04/22 14:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*47*	*S1-*	*70 - 130*		*03/04/22 14:41*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*		*03/04/22 14:41*	*1*

Lab Sample ID: LCS 880-20858/3
Matrix: Water
Analysis Batch: 20858

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene			0.100	0.1050		mg/L		105	70 - 130
Toluene			0.100	0.09694		mg/L		97	70 - 130
Ethylbenzene			0.100	0.1018		mg/L		102	70 - 130
m-Xylene & p-Xylene			0.200	0.2088		mg/L		104	70 - 130
o-Xylene			0.100	0.1023		mg/L		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*

Lab Sample ID: LCSD 880-20858/4
Matrix: Water
Analysis Batch: 20858

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1118		mg/L		112	70 - 130	6	20
Toluene			0.100	0.09900		mg/L		99	70 - 130	2	20
Ethylbenzene			0.100	0.1053		mg/L		105	70 - 130	3	20

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

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

Lab Sample ID: LCSD 880-20858/4
Matrix: Water
Analysis Batch: 20858

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m-Xylene & p-Xylene			0.200	0.2131		mg/L		107	70 - 130	2	20
o-Xylene			0.100	0.1032		mg/L		103	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*

Lab Sample ID: MB 880-20952/8
Matrix: Water
Analysis Batch: 20952

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/05/22 13:13	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/05/22 13:13	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/05/22 13:13	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/05/22 13:13	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/05/22 13:13	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/05/22 13:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*48*	*S1-*	*70 - 130*		*03/05/22 13:13*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*		*03/05/22 13:13*	*1*

Lab Sample ID: LCS 880-20952/3
Matrix: Water
Analysis Batch: 20952

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene			0.100	0.1087		mg/L		109	70 - 130
Toluene			0.100	0.1009		mg/L		101	70 - 130
Ethylbenzene			0.100	0.1060		mg/L		106	70 - 130
m-Xylene & p-Xylene			0.200	0.2160		mg/L		108	70 - 130
o-Xylene			0.100	0.1043		mg/L		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*

Lab Sample ID: LCSD 880-20952/4
Matrix: Water
Analysis Batch: 20952

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09318		mg/L		93	70 - 130	15	20
Toluene			0.100	0.08670		mg/L		87	70 - 130	15	20
Ethylbenzene			0.100	0.09258		mg/L		93	70 - 130	13	20
m-Xylene & p-Xylene			0.200	0.1890		mg/L		95	70 - 130	13	20
o-Xylene			0.100	0.09202		mg/L		92	70 - 130	13	20

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	73		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-20527/1-A
Matrix: Water
Analysis Batch: 20580

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20527

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.904	U	4.57	0.904	mg/L		02/28/22 14:50	03/01/22 19:50	1
Diesel Range Organics (Over C10-C28)	<0.904	U	4.57	0.904	mg/L		02/28/22 14:50	03/01/22 19:50	1
Oil Range Organics (Over C28-C36)	<0.872	U	4.57	0.872	mg/L		02/28/22 14:50	03/01/22 19:50	1
Total TPH	<0.904	U	4.57	0.904	mg/L		02/28/22 14:50	03/01/22 19:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	02/28/22 14:50	03/01/22 19:50	1
o-Terphenyl	128		70 - 130	02/28/22 14:50	03/01/22 19:50	1

Lab Sample ID: LCS 880-20527/2-A
Matrix: Water
Analysis Batch: 20580

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20527

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	91.7	80.46		mg/L		88	75 - 125
Diesel Range Organics (Over C10-C28)	91.7	80.46		mg/L		88	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: LCSD 880-20527/3-A
Matrix: Water
Analysis Batch: 20580

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 20527

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	92.0	79.70		mg/L		87	75 - 125	1	20
Diesel Range Organics (Over C10-C28)	92.0	82.50		mg/L		90	75 - 125	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	97		70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-44067/3
Matrix: Water
Analysis Batch: 44067

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.200	U	0.500	0.200	mg/L			03/08/22 10:53	1

Lab Sample ID: LCS 860-44067/4
Matrix: Water
Analysis Batch: 44067

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	10.0	9.598		mg/L		96	90 - 110

Lab Sample ID: LCSD 860-44067/5
Matrix: Water
Analysis Batch: 44067

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	10.0	9.912		mg/L		99	90 - 110	3	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 860-43417/1-A
Matrix: Water
Analysis Batch: 43572

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43417

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.000246	U	0.00400	0.000246	mg/L		03/02/22 10:00	03/02/22 17:23	1
Barium	<0.000484	U	0.00400	0.000484	mg/L		03/02/22 10:00	03/02/22 17:23	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/02/22 10:00	03/02/22 17:23	1

Lab Sample ID: LCS 860-43417/2-A
Matrix: Water
Analysis Batch: 43572

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43417

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.100	0.09782		mg/L		98	80 - 120
Barium	0.100	0.09808		mg/L		98	80 - 120
Chromium	0.100	0.09740		mg/L		97	80 - 120

Lab Sample ID: LCSD 860-43417/3-A
Matrix: Water
Analysis Batch: 43572

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43417

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.100	0.09725		mg/L		97	80 - 120	1	20
Barium	0.100	0.09751		mg/L		98	80 - 120	1	20
Chromium	0.100	0.09703		mg/L		97	80 - 120	0	20

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 880-20349/3
Matrix: Water
Analysis Batch: 20349

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 15:52	1

Lab Sample ID: LCS 880-20349/4
Matrix: Water
Analysis Batch: 20349

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	0.0400	0.04112		mg/L		103	85 - 115

Lab Sample ID: LCSD 880-20349/5
Matrix: Water
Analysis Batch: 20349

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cr (VI)	0.0400	0.04112		mg/L		103	85 - 115	0	20

Lab Sample ID: 880-11745-1 MS
Matrix: Water
Analysis Batch: 20349

Client Sample ID: MWD-4-W-220225
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	<0.00273	U	0.200	0.1724		mg/L		86	85 - 115

Lab Sample ID: 880-11745-1 MSD
Matrix: Water
Analysis Batch: 20349

Client Sample ID: MWD-4-W-220225
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cr (VI)	<0.00273	U	0.200	0.1724		mg/L		86	85 - 115	0	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 830-777/1
Matrix: Water
Analysis Batch: 777

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<25.0	U	25.0	25.0	mg/L			03/01/22 17:00	1

Lab Sample ID: LCS 830-777/2
Matrix: Water
Analysis Batch: 777

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	1000	992.0		mg/L		99	90 - 110

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCSD 830-777/3
Matrix: Water
Analysis Batch: 777

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Dissolved Solids			1000	993.0		mg/L		99	90 - 110	0	10

Lab Sample ID: MB 830-778/1
Matrix: Water
Analysis Batch: 778

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<25.0	U	25.0	25.0	mg/L			03/01/22 17:00	1

Lab Sample ID: LCS 830-778/2
Matrix: Water
Analysis Batch: 778

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			1000	1001		mg/L		100	90 - 110		

Lab Sample ID: LCSD 830-778/3
Matrix: Water
Analysis Batch: 778

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Dissolved Solids			1000	1005		mg/L		101	90 - 110	0	10

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

GC VOA

Prep Batch: 20605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-20605/5-A	Method Blank	Total/NA	Water	5035	

Analysis Batch: 20710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11745-1	MWD-4-W-220225	Total/NA	Water	8021B	
880-11745-2	MWD-13-W-220225	Total/NA	Water	8021B	
880-11745-3	MWD-14-W-220225	Total/NA	Water	8021B	
880-11745-4	MW-25-W-220225	Total/NA	Water	8021B	
880-11745-5	DUP04-W-220225	Total/NA	Water	8021B	
880-11745-6	MW-32-W-220225	Total/NA	Water	8021B	
MB 880-20605/5-A	Method Blank	Total/NA	Water	8021B	20605
MB 880-20710/39	Method Blank	Total/NA	Water	8021B	
LCS 880-20710/34	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-20710/35	Lab Control Sample Dup	Total/NA	Water	8021B	

Analysis Batch: 20858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11745-5	DUP04-W-220225	Total/NA	Water	8021B	
880-11745-6	MW-32-W-220225	Total/NA	Water	8021B	
880-11745-7	MW-26-W-220225	Total/NA	Water	8021B	
880-11745-8	MW-11-W-220225	Total/NA	Water	8021B	
880-11745-9	TMW-6-W-220225	Total/NA	Water	8021B	
MB 880-20858/8	Method Blank	Total/NA	Water	8021B	
LCS 880-20858/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-20858/4	Lab Control Sample Dup	Total/NA	Water	8021B	

Analysis Batch: 20952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11745-3	MWD-14-W-220225	Total/NA	Water	8021B	
880-11745-4	MW-25-W-220225	Total/NA	Water	8021B	
MB 880-20952/8	Method Blank	Total/NA	Water	8021B	
LCS 880-20952/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-20952/4	Lab Control Sample Dup	Total/NA	Water	8021B	

Analysis Batch: 21271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11745-1	MWD-4-W-220225	Total/NA	Water	Total BTEX	
880-11745-2	MWD-13-W-220225	Total/NA	Water	Total BTEX	
880-11745-3	MWD-14-W-220225	Total/NA	Water	Total BTEX	
880-11745-4	MW-25-W-220225	Total/NA	Water	Total BTEX	
880-11745-5	DUP04-W-220225	Total/NA	Water	Total BTEX	
880-11745-6	MW-32-W-220225	Total/NA	Water	Total BTEX	
880-11745-7	MW-26-W-220225	Total/NA	Water	Total BTEX	
880-11745-8	MW-11-W-220225	Total/NA	Water	Total BTEX	
880-11745-9	TMW-6-W-220225	Total/NA	Water	Total BTEX	

GC Semi VOA

Prep Batch: 20527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11745-1	MWD-4-W-220225	Total/NA	Water	8015NM Aq Prep	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

GC Semi VOA (Continued)

Prep Batch: 20527 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11745-2	MWD-13-W-220225	Total/NA	Water	8015NM Aq Prep	
880-11745-3	MWD-14-W-220225	Total/NA	Water	8015NM Aq Prep	
880-11745-4	MW-25-W-220225	Total/NA	Water	8015NM Aq Prep	
880-11745-5	DUP04-W-220225	Total/NA	Water	8015NM Aq Prep	
880-11745-6	MW-32-W-220225	Total/NA	Water	8015NM Aq Prep	
880-11745-7	MW-26-W-220225	Total/NA	Water	8015NM Aq Prep	
880-11745-8	MW-11-W-220225	Total/NA	Water	8015NM Aq Prep	
880-11745-9	TMW-6-W-220225	Total/NA	Water	8015NM Aq Prep	
MB 880-20527/1-A	Method Blank	Total/NA	Water	8015NM Aq Prep	
LCS 880-20527/2-A	Lab Control Sample	Total/NA	Water	8015NM Aq Prep	
LCSD 880-20527/3-A	Lab Control Sample Dup	Total/NA	Water	8015NM Aq Prep	

Analysis Batch: 20580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11745-1	MWD-4-W-220225	Total/NA	Water	8015B NM	20527
880-11745-2	MWD-13-W-220225	Total/NA	Water	8015B NM	20527
880-11745-3	MWD-14-W-220225	Total/NA	Water	8015B NM	20527
880-11745-4	MW-25-W-220225	Total/NA	Water	8015B NM	20527
880-11745-5	DUP04-W-220225	Total/NA	Water	8015B NM	20527
880-11745-6	MW-32-W-220225	Total/NA	Water	8015B NM	20527
880-11745-7	MW-26-W-220225	Total/NA	Water	8015B NM	20527
880-11745-8	MW-11-W-220225	Total/NA	Water	8015B NM	20527
880-11745-9	TMW-6-W-220225	Total/NA	Water	8015B NM	20527
MB 880-20527/1-A	Method Blank	Total/NA	Water	8015B NM	20527
LCS 880-20527/2-A	Lab Control Sample	Total/NA	Water	8015B NM	20527
LCSD 880-20527/3-A	Lab Control Sample Dup	Total/NA	Water	8015B NM	20527

Analysis Batch: 20672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11745-1	MWD-4-W-220225	Total/NA	Water	8015 NM	
880-11745-2	MWD-13-W-220225	Total/NA	Water	8015 NM	
880-11745-3	MWD-14-W-220225	Total/NA	Water	8015 NM	
880-11745-4	MW-25-W-220225	Total/NA	Water	8015 NM	
880-11745-5	DUP04-W-220225	Total/NA	Water	8015 NM	
880-11745-6	MW-32-W-220225	Total/NA	Water	8015 NM	
880-11745-7	MW-26-W-220225	Total/NA	Water	8015 NM	
880-11745-8	MW-11-W-220225	Total/NA	Water	8015 NM	
880-11745-9	TMW-6-W-220225	Total/NA	Water	8015 NM	

HPLC/IC

Analysis Batch: 44067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11745-1 - DL	MWD-4-W-220225	Total/NA	Water	300.0	
880-11745-2 - DL	MWD-13-W-220225	Total/NA	Water	300.0	
880-11745-3 - DL	MWD-14-W-220225	Total/NA	Water	300.0	
880-11745-4 - DL	MW-25-W-220225	Total/NA	Water	300.0	
880-11745-5 - DL	DUP04-W-220225	Total/NA	Water	300.0	
880-11745-6 - DL	MW-32-W-220225	Total/NA	Water	300.0	
880-11745-7	MW-26-W-220225	Total/NA	Water	300.0	
880-11745-8	MW-11-W-220225	Total/NA	Water	300.0	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

HPLC/IC (Continued)

Analysis Batch: 44067 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11745-9	TMW-6-W-220225	Total/NA	Water	300.0	
MB 860-44067/3	Method Blank	Total/NA	Water	300.0	
LCS 860-44067/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-44067/5	Lab Control Sample Dup	Total/NA	Water	300.0	

Metals

Prep Batch: 43417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11745-1	MWD-4-W-220225	Dissolved	Water	3010A	
880-11745-2	MWD-13-W-220225	Dissolved	Water	3010A	
880-11745-3	MWD-14-W-220225	Dissolved	Water	3010A	
880-11745-4	MW-25-W-220225	Dissolved	Water	3010A	
880-11745-5	DUP04-W-220225	Dissolved	Water	3010A	
880-11745-6	MW-32-W-220225	Dissolved	Water	3010A	
880-11745-7	MW-26-W-220225	Dissolved	Water	3010A	
880-11745-8	MW-11-W-220225	Dissolved	Water	3010A	
880-11745-9	TMW-6-W-220225	Dissolved	Water	3010A	
MB 860-43417/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-43417/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-43417/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 43572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11745-1	MWD-4-W-220225	Dissolved	Water	6020A	43417
880-11745-2	MWD-13-W-220225	Dissolved	Water	6020A	43417
880-11745-3	MWD-14-W-220225	Dissolved	Water	6020A	43417
880-11745-4	MW-25-W-220225	Dissolved	Water	6020A	43417
880-11745-5	DUP04-W-220225	Dissolved	Water	6020A	43417
880-11745-6	MW-32-W-220225	Dissolved	Water	6020A	43417
880-11745-7	MW-26-W-220225	Dissolved	Water	6020A	43417
880-11745-8	MW-11-W-220225	Dissolved	Water	6020A	43417
880-11745-9	TMW-6-W-220225	Dissolved	Water	6020A	43417
MB 860-43417/1-A	Method Blank	Total/NA	Water	6020A	43417
LCS 860-43417/2-A	Lab Control Sample	Total/NA	Water	6020A	43417
LCSD 860-43417/3-A	Lab Control Sample Dup	Total/NA	Water	6020A	43417

Analysis Batch: 43685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11745-6	MW-32-W-220225	Dissolved	Water	6020A	43417
880-11745-7	MW-26-W-220225	Dissolved	Water	6020A	43417

General Chemistry

Analysis Batch: 777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11745-1	MWD-4-W-220225	Total/NA	Water	SM 2540C	
880-11745-3	MWD-14-W-220225	Total/NA	Water	SM 2540C	
880-11745-5	DUP04-W-220225	Total/NA	Water	SM 2540C	
880-11745-6	MW-32-W-220225	Total/NA	Water	SM 2540C	
880-11745-7	MW-26-W-220225	Total/NA	Water	SM 2540C	
880-11745-8	MW-11-W-220225	Total/NA	Water	SM 2540C	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

General Chemistry (Continued)

Analysis Batch: 777 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11745-9	TMW-6-W-220225	Total/NA	Water	SM 2540C	
MB 830-777/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 830-777/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 830-777/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Analysis Batch: 778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11745-2	MWD-13-W-220225	Total/NA	Water	SM 2540C	
880-11745-4	MW-25-W-220225	Total/NA	Water	SM 2540C	
MB 830-778/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 830-778/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 830-778/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Analysis Batch: 20349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11745-1	MWD-4-W-220225	Dissolved	Water	7196A	
880-11745-2	MWD-13-W-220225	Dissolved	Water	7196A	
880-11745-3	MWD-14-W-220225	Dissolved	Water	7196A	
880-11745-4	MW-25-W-220225	Dissolved	Water	7196A	
880-11745-5	DUP04-W-220225	Dissolved	Water	7196A	
880-11745-6	MW-32-W-220225	Dissolved	Water	7196A	
880-11745-7	MW-26-W-220225	Dissolved	Water	7196A	
880-11745-8	MW-11-W-220225	Dissolved	Water	7196A	
880-11745-9	TMW-6-W-220225	Dissolved	Water	7196A	
MB 880-20349/3	Method Blank	Total/NA	Water	7196A	
LCS 880-20349/4	Lab Control Sample	Total/NA	Water	7196A	
LCSD 880-20349/5	Lab Control Sample Dup	Total/NA	Water	7196A	
880-11745-1 MS	MWD-4-W-220225	Dissolved	Water	7196A	
880-11745-1 MSD	MWD-4-W-220225	Dissolved	Water	7196A	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

Client Sample ID: MWD-4-W-220225

Date Collected: 02/25/22 09:15
Date Received: 02/25/22 15:20

Lab Sample ID: 880-11745-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20710	03/03/22 13:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21271	03/09/22 20:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20672	03/02/22 10:10	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			33.4 mL	3 mL	20527	02/28/22 14:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20580	03/01/22 23:00	AJ	XEN MID
Total/NA	Analysis	300.0	DL	10			44067	03/08/22 21:52	WP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	43417	03/02/22 10:00	MD	XEN STF
Dissolved	Analysis	6020A		1			43572	03/02/22 17:55	SHZ	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	20349	02/25/22 15:52	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	777	03/01/22 17:00	DH	XEN EP

Client Sample ID: MWD-13-W-220225

Date Collected: 02/25/22 10:00
Date Received: 02/25/22 15:20

Lab Sample ID: 880-11745-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20710	03/03/22 13:27	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21271	03/09/22 20:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20672	03/02/22 10:10	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			33.3 mL	3 mL	20527	02/28/22 14:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20580	03/01/22 23:22	AJ	XEN MID
Total/NA	Analysis	300.0	DL	10			44067	03/08/22 22:27	WP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	43417	03/02/22 10:00	MD	XEN STF
Dissolved	Analysis	6020A		1			43572	03/02/22 17:58	SHZ	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	20349	02/25/22 15:52	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	10 mL	1000 mL	778	03/01/22 17:00	DH	XEN EP

Client Sample ID: MWD-14-W-220225

Date Collected: 02/25/22 10:38
Date Received: 02/25/22 15:20

Lab Sample ID: 880-11745-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20710	03/03/22 17:52	MR	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	20952	03/05/22 15:53	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			21271	03/09/22 20:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20672	03/02/22 10:10	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			33.3 mL	3 mL	20527	02/28/22 14:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20580	03/01/22 23:43	AJ	XEN MID
Total/NA	Analysis	300.0	DL	10			44067	03/08/22 22:38	WP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	43417	03/02/22 10:00	MD	XEN STF
Dissolved	Analysis	6020A		1			43572	03/02/22 18:01	SHZ	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	20349	02/25/22 15:52	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	1000 mL	777	03/01/22 17:00	DH	XEN EP

Eurofins Midland

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

Client Sample ID: MW-25-W-220225
Date Collected: 02/25/22 11:10
Date Received: 02/25/22 15:20

Lab Sample ID: 880-11745-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20710	03/03/22 18:18	MR	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	20952	03/05/22 16:19	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			21271	03/09/22 20:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20672	03/02/22 10:10	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			33.7 mL	3 mL	20527	02/28/22 14:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20580	03/02/22 00:05	AJ	XEN MID
Total/NA	Analysis	300.0	DL	10			44067	03/08/22 22:49	WP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	43417	03/02/22 10:00	MD	XEN STF
Dissolved	Analysis	6020A		1			43572	03/02/22 18:04	SHZ	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	20349	02/25/22 15:52	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	10 mL	1000 mL	778	03/01/22 17:00	DH	XEN EP

Client Sample ID: DUP04-W-220225
Date Collected: 02/25/22 00:00
Date Received: 02/25/22 15:20

Lab Sample ID: 880-11745-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20710	03/03/22 18:45	MR	XEN MID
Total/NA	Analysis	8021B		10	5 mL	5 mL	20858	03/04/22 20:52	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21271	03/09/22 20:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20672	03/02/22 10:10	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			33.7 mL	3 mL	20527	02/28/22 14:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20580	03/02/22 00:26	AJ	XEN MID
Total/NA	Analysis	300.0	DL	10			44067	03/08/22 23:01	WP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	43417	03/02/22 10:00	MD	XEN STF
Dissolved	Analysis	6020A		1			43572	03/02/22 18:08	SHZ	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	20349	02/25/22 15:52	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	10 mL	1000 mL	777	03/01/22 17:00	DH	XEN EP

Client Sample ID: MW-32-W-220225
Date Collected: 02/25/22 08:15
Date Received: 02/25/22 15:20

Lab Sample ID: 880-11745-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20710	03/03/22 19:11	MR	XEN MID
Total/NA	Analysis	8021B		10	5 mL	5 mL	20858	03/04/22 21:18	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21271	03/09/22 20:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20672	03/02/22 10:10	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			33.4 mL	3 mL	20527	02/28/22 14:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20580	03/02/22 00:48	AJ	XEN MID
Total/NA	Analysis	300.0	DL	10			44067	03/08/22 23:12	WP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	43417	03/02/22 10:00	MD	XEN STF
Dissolved	Analysis	6020A		1			43572	03/02/22 18:11	SHZ	XEN STF

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

Client Sample ID: MW-32-W-220225
Date Collected: 02/25/22 08:15
Date Received: 02/25/22 15:20

Lab Sample ID: 880-11745-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3010A			50 mL	50 mL	43417	03/02/22 10:00	MD	XEN STF
Dissolved	Analysis	6020A		25			43685	03/03/22 13:26	SHZ	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	20349	02/25/22 15:52	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	25 mL	1000 mL	777	03/01/22 17:00	DH	XEN EP

Client Sample ID: MW-26-W-220225
Date Collected: 02/25/22 08:50
Date Received: 02/25/22 15:20

Lab Sample ID: 880-11745-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		10	5 mL	5 mL	20858	03/04/22 21:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21271	03/09/22 20:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20672	03/02/22 10:10	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			33.4 mL	3 mL	20527	02/28/22 14:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20580	03/02/22 01:31	AJ	XEN MID
Total/NA	Analysis	300.0		1			44067	03/08/22 23:23	WP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	43417	03/02/22 10:00	MD	XEN STF
Dissolved	Analysis	6020A		1			43572	03/02/22 18:14	SHZ	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	43417	03/02/22 10:00	MD	XEN STF
Dissolved	Analysis	6020A		50			43685	03/03/22 13:29	SHZ	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	20349	02/25/22 15:52	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	777	03/01/22 17:00	DH	XEN EP

Client Sample ID: MW-11-W-220225
Date Collected: 02/25/22 09:44
Date Received: 02/25/22 15:20

Lab Sample ID: 880-11745-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		10	5 mL	5 mL	20858	03/04/22 22:11	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21271	03/09/22 20:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20672	03/02/22 10:10	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			33.5 mL	3 mL	20527	02/28/22 14:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20580	03/02/22 01:53	AJ	XEN MID
Total/NA	Analysis	300.0		1			44067	03/08/22 23:35	WP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	43417	03/02/22 10:00	MD	XEN STF
Dissolved	Analysis	6020A		1			43572	03/02/22 18:17	SHZ	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	20349	02/25/22 15:52	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	777	03/01/22 17:00	DH	XEN EP

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

Client Sample ID: TMW-6-W-220225

Date Collected: 02/25/22 10:09
Date Received: 02/25/22 15:20

Lab Sample ID: 880-11745-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		10	5 mL	5 mL	20858	03/04/22 22:38	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21271	03/09/22 20:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20672	03/02/22 10:10	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			33.4 mL	3 mL	20527	02/28/22 14:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20580	03/02/22 02:14	AJ	XEN MID
Total/NA	Analysis	300.0		1			44067	03/08/22 23:46	WP	XEN STF
Dissolved	Prep	3010A			50 mL	50 mL	43417	03/02/22 10:00	MD	XEN STF
Dissolved	Analysis	6020A		1			43572	03/02/22 18:20	SHZ	XEN STF
Dissolved	Analysis	7196A		1	100 mL	100 mL	20349	02/25/22 15:52	SC	XEN MID
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	777	03/01/22 17:00	DH	XEN EP

Laboratory References:

XEN EP = Eurofins El Paso, 200 East Sunset Rd., Suite E, El Paso, TX 79922, TEL (915)585-3443
XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440
XEN STF = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Water	Total TPH
8015B NM	8015NM Aq Prep	Water	Total TPH
Total BTEX		Water	Total BTEX

Laboratory: Eurofins El Paso

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704221-21-19	04-30-22

Laboratory: Eurofins Houston

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215-21-44	06-30-22

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN STF
6020A	Metals (ICP/MS)	SW846	XEN STF
7196A	Chromium, Hexavalent	SW846	XEN MID
SM 2540C	Solids, Total Dissolved (TDS)	SM	XEN EP
3010A	Preparation, Total Metals	SW846	XEN STF
5030B	Purge and Trap	SW846	XEN MID
8015NM Aq Prep	Microextraction	SW846	XEN MID

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

XEN EP = Eurofins El Paso, 200 East Sunset Rd., Suite E, El Paso, TX 79922, TEL (915)585-3443
XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440
XEN STF = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-11745-1	MWD-4-W-220225	Water	02/25/22 09:15	02/25/22 15:20
880-11745-2	MWD-13-W-220225	Water	02/25/22 10:00	02/25/22 15:20
880-11745-3	MWD-14-W-220225	Water	02/25/22 10:38	02/25/22 15:20
880-11745-4	MW-25-W-220225	Water	02/25/22 11:10	02/25/22 15:20
880-11745-5	DUP04-W-220225	Water	02/25/22 00:00	02/25/22 15:20
880-11745-6	MW-32-W-220225	Water	02/25/22 08:15	02/25/22 15:20
880-11745-7	MW-26-W-220225	Water	02/25/22 08:50	02/25/22 15:20
880-11745-8	MW-11-W-220225	Water	02/25/22 09:44	02/25/22 15:20
880-11745-9	TMW-6-W-220225	Water	02/25/22 10:09	02/25/22 15:20

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Chain of Custody

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)

Wor

880-11745 Chain of Custody

3/10/2022

Project Manager:	Rebecca Andresen	Bill to: (if different)	
Company Name:	ARCADIS	Company Name:	
Address:	1004 N. Big Spring St.	Address:	
City, State ZIP:	Midland, TX. 79701	City, State ZIP:	
Phone:	303-471-3477	Email:	andrew.demarco@arcadis.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: New Mexico
Reporting:Level II [X] Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD [X] ADaPT ☐ Other:

Project Name:	Eunice Project- S. Eunice	Turn Around	
Project Number:	30049612	Routine ☐	
P.O. Number:		Rush:	
Sampler's Name:	Jerry Longwell/Daniel McGee	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	1.9/1.5	Thermometer ID	IR8
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-.1
Sample Custody Seals:	Yes No N/A	Total Containers:	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX (EPA 8021B)	TPH (SW8015B)	Hex Chrome (SW7196A)	Dissolved Metals (SW6020_DIS): Chromium, Arsenic & Barium)	TDS (SM2540C)	Chlorides (EPA 300.0)
MWD-4-W-220225	W	02/25/22	0915		9	X	X	X	X	X	X
MWD-13-W-220225	W	02/25/22	1002		9	X	X	X	X	X	X
MWD-14-W-220225	W	02/25/22	1033		9	X	X	X	X	X	X
MW-25-W-220225	W	02/25/22	1110		9	X	X	X	X	X	X
DUP04-W-220225	W	02/25/22	—		9	X	X	X	X	X	X
MW-32-W-220225	W	02/25/22	0815		9	X	X	X	X	X	X
MW-28-W-220225	W	02/25/22	0850		9	X	X	X	X	X	X
MW-11-W-220225	W	02/25/22	0844		9	X	X	X	X	X	X
TMW-6W-220225	W	02/25/22	1009		9	X	X	X	X	X	X

ANALYSIS REQUEST

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010:** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		1520/2-25-22	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Received by OCD: 3/29/2023 1:18:07 PM

Released to Imaging: 4/10/2023 12:09:44 PM

Eurofins Midland
1211 W Florida Ave
Midland TX 79701
Phone: 432-704-5440

Temp: 0.4 IR ID:HOU-323
C/F:+0.2
Corrected Temp: 0.6

Chain of Custody Record

880-11745 Chain of Custody

Eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Builes, John		90.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: john.builes@eurofinset.com	State of Origin: Texas	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 880-11745-1
Address: 4145 Greenbriar Dr	Due Date Requested: 3/3/2022			
City: Stafford	TAT Requested (days):			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			
Email:	WO #:			
Project Name: Eunice Project-S. Eunice	Project #: 88000209			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oi BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020A/FIELD_FLTRD (MOD) Custom List	300_ORGFM_28D/ Chloride	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MWD-4-W-220225 (880-11745-1)	2/25/22	09:15 Central		Water			X	X	2	
MWD-13-W-220225 (880-11745-2)	2/25/22	10:00 Central		Water			X	X	2	
MWD-14-W-220225 (880-11745-3)	2/25/22	10:38 Central		Water			X	X	2	
MW-25-W-220225 (880-11745-4)	2/25/22	11:10 Central		Water			X	X	2	
DUP04-W-220225 (880-11745-5)	2/25/22	Central		Water			X	X	2	
MW-32-W-220225 (880-11745-6)	2/25/22	08:15 Central		Water			X	X	2	
MW-26-W-220225 (880-11745-7)	2/25/22	08:50 Central		Water			X	X	2	
MW-11-W-220225 (880-11745-8)	2/25/22	09:44 Central		Water			X	X	2	
TMW-6-W-220225 (880-11745-9)	2/25/22	10:09 Central		Water			X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I II III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 2/26/22 1227	Company Xenco
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks

Ver: 06/08/2021

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Received by OCD: 3/29/2023 1:18:07 PM
Page 35 of 38
3/10/2022
Released to Imaging: 4/10/2023 12:09:44 PM

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 880-11745-1
SDG Number: 30019612

Login Number: 11745
List Number: 1
Creator: Teel, Brianna

List Source: Eurofins Midland

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

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 880-11745-1
SDG Number: 30019612

Login Number: 11745
List Number: 3
Creator: Aparicio, Niria

List Source: Eurofins El Paso
List Creation: 02/28/22 11:11 AM

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

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 880-11745-1
SDG Number: 30019612

Login Number: 11745
List Number: 2
Creator: Torres, Sandra

List Source: Eurofins Houston
List Creation: 02/26/22 03:22 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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ANALYTICAL REPORT

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

Laboratory Job ID: 880-19715-1
Laboratory Sample Delivery Group: South Eunice
Client Project/Site: Eunice South

For:
ARCADIS U.S., Inc.
1004 North Big Spring
Suite 300
Midland, Texas 79701

Attn: Andrew DeMarco

Authorized for release by:
10/10/2022 5:11:20 PM

John Builes, Project Manager
(561)558-4549
John.Builes@et.eurofinsus.com

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

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

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Laboratory Job ID: 880-19715-1
SDG: South Eunice

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Definitions/Glossary

Client: ARCADIS U.S., Inc. Job ID: 880-19715-1
Project/Site: Eunice South SDG: South Eunice

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive

Definitions/Glossary

Client: ARCADIS U.S., Inc. Job ID: 880-19715-1
Project/Site: Eunice South SDG: South Eunice

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Job ID: 880-19715-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-19715-1

Receipt
The samples were received on 9/27/2022 5:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.4°C

GC VOA
Method 8021B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 880-36169 recovered outside control limits for the following analytes: Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. These analytes were biased high in the LCS and were either not detected in the associated samples or were detected again as the result of a rerun confirmation; therefore, the data have been reported.

Method 8021B: Surrogate recovery for the following sample was outside control limits: MW-29-W-220927 (880-19715-8). Evidence of matrix interferences is not obvious.

Method 8021B: The method blank for analytical batch 880-36389 contained Benzene, Toluene and m-Xylene & p-Xylene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8021B: The laboratory control sample (LCS) associated with analytical batch 880-36389 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The laboratory control sample (LCS) associated with analytical batch 880-36469 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (880-19715-E-1-B MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The method blank for preparation batch 880-35839 and analytical batch 880-35859 contained Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-35839 and analytical batch 880-35859 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

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

Metals
Method 6020A: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-29-W-220927 (880-19715-8), MW-34-W-220927 (880-19715-10) and DUP-2-W-220927 (880-19715-11). Elevated reporting limits (RLs) are provided.

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

Released to Imaging: 4/10/2023 12:09:44 PM

Case Narrative

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Job ID: 880-19715-1 (Continued)

Laboratory: Eurofins Midland (Continued)

General Chemistry

Method 7196A: The following sample did not generate the appropriate color change indicating the absence of Hexavalent Chromium. The recovered concentration of 0.008202 mg/L (0.0230 ABS) was likely due to iron interference, therefore the uncorrected response was reported as zero. MW-29-W-220927 (880-19715-8)

Method 7196A: The following sample did not generate the appropriate color change indicating the absence of Hexavalent Chromium. The recovered concentration of 0.0115930 mg/L (0.0300 ABS) was likely due to iron interference, therefore the uncorrected response was reported as zero. MW-32-W-220927 (880-19715-7)

Method 7196A: The following sample did not generate the appropriate color change indicating the absence of Hexavalent Chromium. The recovered concentration of 0.010140 mg/L (0.0270 ABS) was likely due to iron interference, therefore the uncorrected response was reported as zero. MW-34-W-220927 (880-19715-10)

Method 7196A: The following sample did not generate the appropriate color change indicating the absence of Hexavalent Chromium. The recovered concentration of 0.034839 mg/L (0.0780 ABS) was likely due to iron interference, therefore the uncorrected response was reported as zero. DUP-2-W-220927 (880-19715-11)

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

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Client Sample ID: MW-35-W-220927

Date Collected: 09/27/22 09:45
Date Received: 09/27/22 17:20

Lab Sample ID: 880-19715-1

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			10/05/22 17:21	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/05/22 17:21	1
Ethylbenzene	<0.000657	U *+	0.00200	0.000657	mg/L			10/05/22 17:21	1
m-Xylene & p-Xylene	<0.000629	U *+	0.00400	0.000629	mg/L			10/05/22 17:21	1
o-Xylene	<0.000642	U *+	0.00200	0.000642	mg/L			10/05/22 17:21	1
Xylenes, Total	<0.000642	U *+	0.00400	0.000642	mg/L			10/05/22 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*		*10/05/22 17:21*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*		*10/05/22 17:21*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			10/06/22 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.904	U	4.57	0.904	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.904	U	4.57	0.904	mg/L		09/30/22 16:46	10/01/22 12:49	1
Diesel Range Organics (Over C10-C28)	<0.904	U F1	4.57	0.904	mg/L		09/30/22 16:46	10/01/22 12:49	1
OII Range Organics (Over C28-C36)	<0.872	U	4.57	0.872	mg/L		09/30/22 16:46	10/01/22 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*09/30/22 16:46*	*10/01/22 12:49*	*1*
o-Terphenyl	*97*		*70 - 130*	*09/30/22 16:46*	*10/01/22 12:49*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**138**		0.500	0.200	mg/L			10/04/22 23:26	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00869**		0.00400	0.000290	mg/L		10/03/22 09:30	10/04/22 04:17	1
Barium	**0.0866**		0.00400	0.00134	mg/L		10/03/22 09:30	10/04/22 04:17	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/03/22 09:30	10/04/22 04:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**917**		10.0	10.0	mg/L			10/04/22 14:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/27/22 17:59	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Client Sample ID: MW-38-W-220927

Date Collected: 09/27/22 10:15
Date Received: 09/27/22 17:20

Lab Sample ID: 880-19715-2

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			10/07/22 17:12	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/07/22 17:12	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/07/22 17:12	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/07/22 17:12	1
o-Xylene	<0.000642	U *+	0.00200	0.000642	mg/L			10/07/22 17:12	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/07/22 17:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*		*10/07/22 17:12*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*		*10/07/22 17:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			10/06/22 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.904	U	4.57	0.904	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.904	U	4.57	0.904	mg/L		09/30/22 16:46	10/01/22 13:50	1
Diesel Range Organics (Over C10-C28)	<0.904	U	4.57	0.904	mg/L		09/30/22 16:46	10/01/22 13:50	1
OII Range Organics (Over C28-C36)	<0.872	U	4.57	0.872	mg/L		09/30/22 16:46	10/01/22 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*09/30/22 16:46*	*10/01/22 13:50*	*1*
o-Terphenyl	*98*		*70 - 130*	*09/30/22 16:46*	*10/01/22 13:50*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1000**		5.00	2.00	mg/L			10/04/22 23:40	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00682**		0.00400	0.000290	mg/L		10/03/22 09:30	10/04/22 04:20	1
Barium	**0.0726**		0.00400	0.00134	mg/L		10/03/22 09:30	10/04/22 04:20	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/03/22 09:30	10/04/22 04:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1990**		40.0	40.0	mg/L			10/04/22 14:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/27/22 17:59	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Client Sample ID: MW-15-W-220927

Date Collected: 09/27/22 11:00
Date Received: 09/27/22 17:20

Lab Sample ID: 880-19715-3

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			10/07/22 17:33	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/07/22 17:33	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/07/22 17:33	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/07/22 17:33	1
o-Xylene	<0.000642	U *+	0.00200	0.000642	mg/L			10/07/22 17:33	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/07/22 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*10/07/22 17:33*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*		*10/07/22 17:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			10/06/22 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.904	U	4.57	0.904	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.904	U	4.57	0.904	mg/L		09/30/22 16:46	10/01/22 14:10	1
Diesel Range Organics (Over C10-C28)	<0.904	U	4.57	0.904	mg/L		09/30/22 16:46	10/01/22 14:10	1
OII Range Organics (Over C28-C36)	<0.872	U	4.57	0.872	mg/L		09/30/22 16:46	10/01/22 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*09/30/22 16:46*	*10/01/22 14:10*	*1*
o-Terphenyl	*120*		*70 - 130*	*09/30/22 16:46*	*10/01/22 14:10*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1260**		5.00	2.00	mg/L			10/04/22 23:54	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0124**		0.00400	0.000290	mg/L		10/03/22 09:30	10/04/22 04:23	1
Barium	**0.0392**		0.00400	0.00134	mg/L		10/03/22 09:30	10/04/22 04:23	1
Chromium	**0.000663**	**J**	0.00400	0.000560	mg/L		10/03/22 09:30	10/04/22 04:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**3280**		40.0	40.0	mg/L			10/04/22 14:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/27/22 17:59	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Client Sample ID: DUP-1-W-220927

Date Collected: 09/27/22 00:00
Date Received: 09/27/22 17:20

Lab Sample ID: 880-19715-4

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			10/07/22 17:54	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/07/22 17:54	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/07/22 17:54	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/07/22 17:54	1
o-Xylene	<0.000642	U *+	0.00200	0.000642	mg/L			10/07/22 17:54	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/07/22 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*10/07/22 17:54*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*		*10/07/22 17:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			10/06/22 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.901	U	4.56	0.901	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.901	U	4.56	0.901	mg/L		09/30/22 16:46	10/01/22 14:30	1
Diesel Range Organics (Over C10-C28)	<0.901	U	4.56	0.901	mg/L		09/30/22 16:46	10/01/22 14:30	1
OII Range Organics (Over C28-C36)	<0.869	U	4.56	0.869	mg/L		09/30/22 16:46	10/01/22 14:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*09/30/22 16:46*	*10/01/22 14:30*	*1*
o-Terphenyl	*99*		*70 - 130*	*09/30/22 16:46*	*10/01/22 14:30*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1260**		5.00	2.00	mg/L			10/05/22 00:36	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0117**		0.00400	0.000290	mg/L		10/03/22 09:30	10/04/22 04:26	1
Barium	**0.0319**		0.00400	0.00134	mg/L		10/03/22 09:30	10/04/22 04:26	1
Chromium	**0.000958**	**J**	0.00400	0.000560	mg/L		10/03/22 09:30	10/04/22 04:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**3320**		40.0	40.0	mg/L			10/04/22 14:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/27/22 17:59	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Client Sample ID: MW-16-W-220927

Date Collected: 09/27/22 11:30
Date Received: 09/27/22 17:20

Lab Sample ID: 880-19715-5

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			10/07/22 18:14	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/07/22 18:14	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/07/22 18:14	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/07/22 18:14	1
o-Xylene	<0.000642	U *+	0.00200	0.000642	mg/L			10/07/22 18:14	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/07/22 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*10/07/22 18:14*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*		*10/07/22 18:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			10/06/22 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.906	U	4.59	0.906	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.906	U	4.59	0.906	mg/L		09/30/22 16:46	10/01/22 14:50	1
Diesel Range Organics (Over C10-C28)	<0.906	U	4.59	0.906	mg/L		09/30/22 16:46	10/01/22 14:50	1
OII Range Organics (Over C28-C36)	<0.875	U	4.59	0.875	mg/L		09/30/22 16:46	10/01/22 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*09/30/22 16:46*	*10/01/22 14:50*	*1*
o-Terphenyl	*101*		*70 - 130*	*09/30/22 16:46*	*10/01/22 14:50*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1870**		5.00	2.00	mg/L			10/05/22 00:50	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0113**		0.00400	0.000290	mg/L		10/03/22 09:30	10/04/22 04:29	1
Barium	**0.0311**		0.00400	0.00134	mg/L		10/03/22 09:30	10/04/22 04:29	1
Chromium	**0.0776**		0.00400	0.000560	mg/L		10/03/22 09:30	10/04/22 04:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**4340**		40.0	40.0	mg/L			10/04/22 14:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	**0.0842**		0.0100	0.00270	mg/L			09/27/22 17:59	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Client Sample ID: MWD-13-W-220927

Date Collected: 09/27/22 12:30
Date Received: 09/27/22 17:20

Lab Sample ID: 880-19715-6

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			10/07/22 18:35	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/07/22 18:35	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/07/22 18:35	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/07/22 18:35	1
o-Xylene	<0.000642	U *+	0.00200	0.000642	mg/L			10/07/22 18:35	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/07/22 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*		*10/07/22 18:35*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*		*10/07/22 18:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			10/06/22 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.904	U	4.57	0.904	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.904	U	4.57	0.904	mg/L		09/30/22 16:46	10/01/22 15:11	1
Diesel Range Organics (Over C10-C28)	<0.904	U	4.57	0.904	mg/L		09/30/22 16:46	10/01/22 15:11	1
OII Range Organics (Over C28-C36)	<0.872	U	4.57	0.872	mg/L		09/30/22 16:46	10/01/22 15:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*09/30/22 16:46*	*10/01/22 15:11*	*1*
o-Terphenyl	*84*		*70 - 130*	*09/30/22 16:46*	*10/01/22 15:11*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3550**		5.00	2.00	mg/L			10/05/22 01:03	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0442**		0.00400	0.000290	mg/L		10/03/22 09:30	10/04/22 04:32	1
Barium	**0.0775**		0.00400	0.00134	mg/L		10/03/22 09:30	10/04/22 04:32	1
Chromium	**0.00215**	**J**	0.00400	0.000560	mg/L		10/03/22 09:30	10/04/22 04:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**7390**		100	100	mg/L			10/04/22 14:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/27/22 17:59	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Client Sample ID: MW-32-W-220927

Date Collected: 09/27/22 12:55
Date Received: 09/27/22 17:20

Lab Sample ID: 880-19715-7

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			10/07/22 18:55	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/07/22 18:55	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/07/22 18:55	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/07/22 18:55	1
o-Xylene	<0.000642	U *+	0.00200	0.000642	mg/L			10/07/22 18:55	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/07/22 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*		*10/07/22 18:55*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*		*10/07/22 18:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			10/06/22 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.904	U	4.57	0.904	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.904	U	4.57	0.904	mg/L		09/30/22 16:46	10/01/22 15:31	1
Diesel Range Organics (Over C10-C28)	<0.904	U	4.57	0.904	mg/L		09/30/22 16:46	10/01/22 15:31	1
OII Range Organics (Over C28-C36)	<0.872	U	4.57	0.872	mg/L		09/30/22 16:46	10/01/22 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*09/30/22 16:46*	*10/01/22 15:31*	*1*
o-Terphenyl	*91*		*70 - 130*	*09/30/22 16:46*	*10/01/22 15:31*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**828**		5.00	2.00	mg/L			10/05/22 01:17	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0438**		0.00400	0.000290	mg/L		10/03/22 09:30	10/04/22 04:35	1
Barium	**1.95**		0.00400	0.00134	mg/L		10/03/22 09:30	10/04/22 04:35	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/03/22 09:30	10/04/22 04:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**2780**		40.0	40.0	mg/L			10/04/22 14:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/28/22 09:47	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Client Sample ID: MW-29-W-220927

Date Collected: 09/27/22 13:45
Date Received: 09/27/22 17:20

Lab Sample ID: 880-19715-8

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0488	B	0.00200	0.000408	mg/L			10/07/22 19:36	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/07/22 19:16	1
Ethylbenzene	0.000817	J	0.00200	0.000657	mg/L			10/07/22 19:16	1
m-Xylene & p-Xylene	0.00176	J B	0.00400	0.000629	mg/L			10/07/22 19:16	1
o-Xylene	0.214	*+ *1	0.0200	0.00642	mg/L			10/09/22 17:01	10
Xylenes, Total	0.00243	J B	0.00400	0.000642	mg/L			10/07/22 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*		*10/07/22 19:16*	*1*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*		*10/07/22 19:36*	*1*
1,4-Difluorobenzene (Surr)	*125*		*70 - 130*		*10/07/22 19:16*	*1*
1,4-Difluorobenzene (Surr)	*141*	*S1+*	*70 - 130*		*10/07/22 19:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.265		0.00400	0.000657	mg/L			10/06/22 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.904	U	4.57	0.904	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.904	U	4.57	0.904	mg/L		09/30/22 16:46	10/01/22 15:52	1
Diesel Range Organics (Over C10-C28)	<0.904	U	4.57	0.904	mg/L		09/30/22 16:46	10/01/22 15:52	1
OII Range Organics (Over C28-C36)	<0.872	U	4.57	0.872	mg/L		09/30/22 16:46	10/01/22 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*09/30/22 16:46*	*10/01/22 15:52*	*1*
o-Terphenyl	*97*		*70 - 130*	*09/30/22 16:46*	*10/01/22 15:52*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	313		5.00	2.00	mg/L			10/05/22 01:31	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00233	J	0.00400	0.000290	mg/L		10/03/22 09:30	10/04/22 04:38	1
Barium	9.29		0.200	0.0671	mg/L		10/03/22 09:30	10/05/22 21:54	50
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/03/22 09:30	10/04/22 04:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1340		20.0	20.0	mg/L			10/04/22 14:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/28/22 09:47	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Client Sample ID: MW-30-W-220927

Lab Sample ID: 880-19715-9

Date Collected: 09/27/22 14:15
Matrix: Water
Date Received: 09/27/22 17:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00147	J B	0.00200	0.000408	mg/L			10/07/22 19:57	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/07/22 19:57	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/07/22 19:57	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/07/22 19:57	1
o-Xylene	<0.000642	U *+	0.00200	0.000642	mg/L			10/07/22 19:57	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/07/22 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*10/07/22 19:57*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*		*10/07/22 19:57*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00147	J	0.00400	0.000657	mg/L			10/06/22 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.898	U	4.55	0.898	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 16:12	1
Diesel Range Organics (Over C10-C28)	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 16:12	1
OII Range Organics (Over C28-C36)	<0.867	U	4.55	0.867	mg/L		09/30/22 16:46	10/01/22 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*09/30/22 16:46*	*10/01/22 16:12*	*1*
o-Terphenyl	*92*		*70 - 130*	*09/30/22 16:46*	*10/01/22 16:12*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	281		5.00	2.00	mg/L			10/05/22 01:45	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0106		0.00400	0.000290	mg/L		10/03/22 09:30	10/04/22 04:41	1
Barium	0.302		0.00400	0.00134	mg/L		10/03/22 09:30	10/04/22 04:41	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/03/22 09:30	10/04/22 04:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1300		20.0	20.0	mg/L			10/04/22 14:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/28/22 09:47	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Client Sample ID: MW-34-W-220927

Date Collected: 09/27/22 14:35
Date Received: 09/27/22 17:20

Lab Sample ID: 880-19715-10

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00346	B	0.00200	0.000408	mg/L			10/07/22 20:17	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/07/22 20:17	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/07/22 20:17	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/07/22 20:17	1
o-Xylene	<0.000642	U *+	0.00200	0.000642	mg/L			10/07/22 20:17	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/07/22 20:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*		*10/07/22 20:17*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*		*10/07/22 20:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00346	J	0.00400	0.000657	mg/L			10/06/22 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.898	U	4.55	0.898	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 16:33	1
Diesel Range Organics (Over C10-C28)	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 16:33	1
OII Range Organics (Over C28-C36)	<0.867	U	4.55	0.867	mg/L		09/30/22 16:46	10/01/22 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*09/30/22 16:46*	*10/01/22 16:33*	*1*
o-Terphenyl	*83*		*70 - 130*	*09/30/22 16:46*	*10/01/22 16:33*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	252		5.00	2.00	mg/L			10/05/22 01:59	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.000976	J	0.00400	0.000290	mg/L		10/03/22 09:30	10/04/22 04:50	1
Barium	4.83		0.100	0.0336	mg/L		10/03/22 09:30	10/05/22 21:57	25
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/03/22 09:30	10/04/22 04:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1500		20.0	20.0	mg/L			10/04/22 14:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/28/22 09:47	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Client Sample ID: DUP-2-W-220927

Date Collected: 09/27/22 00:00
Date Received: 09/27/22 17:20

Lab Sample ID: 880-19715-11

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00277	B	0.00200	0.000408	mg/L			10/07/22 20:37	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/07/22 20:37	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/07/22 20:37	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/07/22 20:37	1
o-Xylene	<0.000642	U *+	0.00200	0.000642	mg/L			10/07/22 20:37	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/07/22 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*10/07/22 20:37*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*		*10/07/22 20:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00277	J	0.00400	0.000657	mg/L			10/06/22 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.898	U	4.55	0.898	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 17:14	1
Diesel Range Organics (Over C10-C28)	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 17:14	1
OII Range Organics (Over C28-C36)	<0.867	U	4.55	0.867	mg/L		09/30/22 16:46	10/01/22 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*09/30/22 16:46*	*10/01/22 17:14*	*1*
o-Terphenyl	*88*		*70 - 130*	*09/30/22 16:46*	*10/01/22 17:14*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	253		5.00	2.00	mg/L			10/05/22 02:13	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.000890	J	0.00400	0.000290	mg/L		10/03/22 09:30	10/04/22 04:53	1
Barium	4.65		0.100	0.0336	mg/L		10/03/22 09:30	10/05/22 22:00	25
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/03/22 09:30	10/04/22 04:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1520		20.0	20.0	mg/L			10/04/22 14:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/28/22 09:47	1

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-19715-1	MW-35-W-220927	121	77
880-19715-2	MW-38-W-220927	82	88
880-19715-2 MS	MW-38-W-220927	94	108
880-19715-2 MSD	MW-38-W-220927	113	105
880-19715-3	MW-15-W-220927	102	91
880-19715-4	DUP-1-W-220927	96	91
880-19715-5	MW-16-W-220927	97	90
880-19715-6	MWD-13-W-220927	88	81
880-19715-7	MW-32-W-220927	117	78
880-19715-8	MW-29-W-220927	123	125
880-19715-8	MW-29-W-220927	115	141 S1+
880-19715-9	MW-30-W-220927	95	88
880-19715-10	MW-34-W-220927	128	115
880-19715-11	DUP-2-W-220927	102	116
LCS 880-36169/3	Lab Control Sample	138 S1+	107
LCS 880-36469/3	Lab Control Sample	108	106
LCSD 880-36169/4	Lab Control Sample Dup	162 S1+	89
LCSD 880-36389/4	Lab Control Sample Dup	119	102
LCSD 880-36469/4	Lab Control Sample Dup	128	92
MB 880-36169/8	Method Blank	115	80
MB 880-36389/7	Method Blank	84	93
MB 880-36469/8	Method Blank	86	91

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-19715-1	MW-35-W-220927	89	97
880-19715-1 MS	MW-35-W-220927	75	72
880-19715-1 MSD	MW-35-W-220927	72	69 S1-
880-19715-2	MW-38-W-220927	92	98
880-19715-3	MW-15-W-220927	121	120
880-19715-4	DUP-1-W-220927	91	99
880-19715-5	MW-16-W-220927	95	101
880-19715-6	MWD-13-W-220927	79	84
880-19715-7	MW-32-W-220927	85	91
880-19715-8	MW-29-W-220927	91	97
880-19715-9	MW-30-W-220927	84	92
880-19715-10	MW-34-W-220927	77	83
880-19715-11	DUP-2-W-220927	81	88
LCS 880-35839/2-A	Lab Control Sample	114	120
LCSD 880-35839/3-A	Lab Control Sample Dup	107	112
MB 880-35839/1-A	Method Blank	101	115

Surrogate Legend

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-36169/8
Matrix: Water
Analysis Batch: 36169

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			10/05/22 14:36	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/05/22 14:36	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/05/22 14:36	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/05/22 14:36	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			10/05/22 14:36	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/05/22 14:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*		*10/05/22 14:36*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*		*10/05/22 14:36*	*1*

Lab Sample ID: LCS 880-36169/3
Matrix: Water
Analysis Batch: 36169

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1121		mg/L		112	70 - 130
Toluene	0.100	0.09811		mg/L		98	70 - 130
Ethylbenzene	0.100	0.1118		mg/L		112	70 - 130
m-Xylene & p-Xylene	0.200	0.2288		mg/L		114	70 - 130
o-Xylene	0.100	0.1315	*+	mg/L		131	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 880-36169/4
Matrix: Water
Analysis Batch: 36169

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1050		mg/L		105	70 - 130	7	20
Toluene	0.100	0.1069		mg/L		107	70 - 130	9	20
Ethylbenzene	0.100	0.1316	*+	mg/L		132	70 - 130	16	20
m-Xylene & p-Xylene	0.200	0.2753	*+	mg/L		138	70 - 130	18	20
o-Xylene	0.100	0.1569	*+	mg/L		157	70 - 130	18	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*162*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: MB 880-36389/7
Matrix: Water
Analysis Batch: 36389

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0005790	J	0.00200	0.000408	mg/L			10/07/22 16:52	1
Toluene	0.0005435	J	0.00200	0.000367	mg/L			10/07/22 16:52	1

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

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

Lab Sample ID: MB 880-36389/7
Matrix: Water
Analysis Batch: 36389

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/07/22 16:52	1
m-Xylene & p-Xylene	0.0009537	J	0.00400	0.000629	mg/L			10/07/22 16:52	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			10/07/22 16:52	1
Xylenes, Total	0.0009537	J	0.00400	0.000642	mg/L			10/07/22 16:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*		*10/07/22 16:52*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*		*10/07/22 16:52*	*1*

Lab Sample ID: LCSD 880-36389/4
Matrix: Water
Analysis Batch: 36389

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1054		mg/L		105	70 - 130	4	20
Toluene			0.100	0.1037		mg/L		104	70 - 130	5	20
Ethylbenzene			0.100	0.1100		mg/L		110	70 - 130	14	20
m-Xylene & p-Xylene			0.200	0.2439		mg/L		122	70 - 130	20	20
o-Xylene			0.100	0.1370	*+	mg/L		137	70 - 130	20	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-19715-2 MS
Matrix: Water
Analysis Batch: 36389

Client Sample ID: MW-38-W-220927
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.000408	U	0.100	0.1059		mg/L		106	70 - 130		
Toluene	<0.000367	U	0.100	0.09324		mg/L		93	70 - 130		
Ethylbenzene	<0.000657	U	0.100	0.08840		mg/L		88	70 - 130		
m-Xylene & p-Xylene	<0.000629	U	0.200	0.1826		mg/L		91	70 - 130		
o-Xylene	<0.000642	U *+	0.100	0.1011		mg/L		101	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: 880-19715-2 MSD
Matrix: Water
Analysis Batch: 36389

Client Sample ID: MW-38-W-220927
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.000408	U	0.100	0.1038		mg/L		104	70 - 130	2	25
Toluene	<0.000367	U	0.100	0.09718		mg/L		97	70 - 130	4	25
Ethylbenzene	<0.000657	U	0.100	0.09892		mg/L		99	70 - 130	11	25
m-Xylene & p-Xylene	<0.000629	U	0.200	0.2169		mg/L		108	70 - 130	17	25

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

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

Lab Sample ID: 880-19715-2 MSD
Matrix: Water
Analysis Batch: 36389

Client Sample ID: MW-38-W-220927
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
o-Xylene	<0.000642	U *+	0.100	0.1210		mg/L		121	70 - 130	18	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: MB 880-36469/8
Matrix: Water
Analysis Batch: 36469

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			10/09/22 13:35	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/09/22 13:35	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/09/22 13:35	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/09/22 13:35	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			10/09/22 13:35	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/09/22 13:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*		*10/09/22 13:35*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*		*10/09/22 13:35*	*1*

Lab Sample ID: LCS 880-36469/3
Matrix: Water
Analysis Batch: 36469

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09735		mg/L		97	70 - 130		
Toluene			0.100	0.09020		mg/L		90	70 - 130		
Ethylbenzene			0.100	0.09559		mg/L		96	70 - 130		
m-Xylene & p-Xylene			0.200	0.2049		mg/L		102	70 - 130		
o-Xylene			0.100	0.1134		mg/L		113	70 - 130		

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

Lab Sample ID: LCSD 880-36469/4
Matrix: Water
Analysis Batch: 36469

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09825		mg/L		98	70 - 130	1	20
Toluene			0.100	0.1000		mg/L		100	70 - 130	10	20
Ethylbenzene			0.100	0.1152		mg/L		115	70 - 130	19	20
m-Xylene & p-Xylene			0.200	0.2504		mg/L		125	70 - 130	20	20
o-Xylene			0.100	0.1404	*+ *1	mg/L		140	70 - 130	21	20

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

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

Lab Sample ID: LCSD 880-36469/4
Matrix: Water
Analysis Batch: 36469

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	128		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-35839/1-A
Matrix: Water
Analysis Batch: 35859

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35839

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.862	J	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 11:45	1
Diesel Range Organics (Over C10-C28)	1.166	J	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 11:45	1
OII Range Organics (Over C28-C36)	<0.867	U	4.55	0.867	mg/L		09/30/22 16:46	10/01/22 11:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	09/30/22 16:46	10/01/22 11:45	1
o-Terphenyl	115		70 - 130	09/30/22 16:46	10/01/22 11:45	1

Lab Sample ID: LCS 880-35839/2-A
Matrix: Water
Analysis Batch: 35859

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35839

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	90.4	93.86		mg/L		104	75 - 125
Diesel Range Organics (Over C10-C28)	90.4	87.99		mg/L		97	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	120		70 - 130

Lab Sample ID: LCSD 880-35839/3-A
Matrix: Water
Analysis Batch: 35859

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35839

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	90.6	93.15		mg/L		103	75 - 125	1	20
Diesel Range Organics (Over C10-C28)	90.6	86.58		mg/L		96	75 - 125	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	112		70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-19715-1 MS — **Client Sample ID: MW-35-W-220927**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 35859 — **Prep Batch: 35839**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<0.904	U	91.2	86.18		mg/L		95	75 - 125
Diesel Range Organics (Over C10-C28)	<0.904	U F1	91.2	55.77	F1	mg/L		61	75 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*75*		*70 - 130*
o-Terphenyl	*72*		*70 - 130*

Lab Sample ID: 880-19715-1 MSD — **Client Sample ID: MW-35-W-220927**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 35859 — **Prep Batch: 35839**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<0.904	U	91.5	87.56		mg/L		96	75 - 125	2	20
Diesel Range Organics (Over C10-C28)	<0.904	U F1	91.5	52.60	F1	mg/L		58	75 - 125	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*72*		*70 - 130*
o-Terphenyl	*69*	*S1-*	*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-71793/13 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 71793

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.200	U	0.500	0.200	mg/L			10/04/22 19:03	1

Lab Sample ID: MB 860-71793/48 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 71793

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.200	U	0.500	0.200	mg/L			10/05/22 03:08	1

Lab Sample ID: LCS 860-71793/14 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 71793

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.13		mg/L		101	90 - 110

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 860-71793/49
Matrix: Water
Analysis Batch: 71793

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.12		mg/L		101	90 - 110

Lab Sample ID: LCSD 860-71793/15
Matrix: Water
Analysis Batch: 71793

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	10.11		mg/L		101	90 - 110	0	20

Lab Sample ID: LCSD 860-71793/50
Matrix: Water
Analysis Batch: 71793

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	10.15		mg/L		101	90 - 110	0	20

Lab Sample ID: LLCS 860-71793/17
Matrix: Water
Analysis Batch: 71793

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.5017		mg/L		100	50 - 150

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 860-71539/1-A
Matrix: Water
Analysis Batch: 71802

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 71539

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.000290	U	0.00400	0.000290	mg/L		10/03/22 09:30	10/04/22 03:45	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		10/03/22 09:30	10/04/22 03:45	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/03/22 09:30	10/04/22 03:45	1

Lab Sample ID: LCS 860-71539/2-A
Matrix: Water
Analysis Batch: 71802

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 71539

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.1005		mg/L		101	80 - 120
Barium	0.100	0.09620		mg/L		96	80 - 120
Chromium	0.100	0.09820		mg/L		98	80 - 120

Lab Sample ID: LCSD 860-71539/3-A
Matrix: Water
Analysis Batch: 71802

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 71539

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.100	0.09735		mg/L		97	80 - 120	3	20
Barium	0.100	0.09550		mg/L		95	80 - 120	1	20

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 860-71539/3-A
Matrix: Water
Analysis Batch: 71802

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 71539

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium			0.100	0.09848		mg/L		98	80 - 120	0	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 880-35542/3
Matrix: Water
Analysis Batch: 35542

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00270	U	0.0100	0.00270	mg/L			09/27/22 17:59	1

Lab Sample ID: LCS 880-35542/4
Matrix: Water
Analysis Batch: 35542

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cr (VI)			0.0400	0.03387		mg/L		85	85 - 115		

Lab Sample ID: LCSD 880-35542/5
Matrix: Water
Analysis Batch: 35542

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cr (VI)			0.0400	0.03484		mg/L		87	85 - 115	3	20

Lab Sample ID: MB 880-35543/3
Matrix: Water
Analysis Batch: 35543

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00270	U	0.0100	0.00270	mg/L			09/28/22 09:47	1

Lab Sample ID: LCS 880-35543/4
Matrix: Water
Analysis Batch: 35543

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cr (VI)			0.0400	0.03726		mg/L		93	85 - 115		

Lab Sample ID: LCSD 880-35543/5
Matrix: Water
Analysis Batch: 35543

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cr (VI)			0.0400	0.03726		mg/L		93	85 - 115	0	20

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: 880-19715-1 MS
Matrix: Water
Analysis Batch: 35542

Client Sample ID: MW-35-W-220927
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	<0.00270	U	0.200	0.1913		mg/L		96	85 - 115

Lab Sample ID: 880-19715-1 MSD
Matrix: Water
Analysis Batch: 35542

Client Sample ID: MW-35-W-220927
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cr (VI)	<0.00270	U	0.200	0.1913		mg/L		96	85 - 115	0	20

Lab Sample ID: 880-19715-9 MS
Matrix: Water
Analysis Batch: 35543

Client Sample ID: MW-30-W-220927
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	<0.00270	U	0.200	0.2053		mg/L		103	85 - 115

Lab Sample ID: 880-19715-9 MSD
Matrix: Water
Analysis Batch: 35543

Client Sample ID: MW-30-W-220927
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cr (VI)	<0.00270	U	0.200	0.2058		mg/L		103	85 - 115	0	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 860-71824/1
Matrix: Water
Analysis Batch: 71824

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<5.00	U	5.00	5.00	mg/L			10/04/22 14:12	1

Lab Sample ID: LCS 860-71824/2
Matrix: Water
Analysis Batch: 71824

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	1015		mg/L		102	80 - 120

Lab Sample ID: LCSD 860-71824/3
Matrix: Water
Analysis Batch: 71824

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	1000	1094		mg/L		109	80 - 120	7	10

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: 880-19715-10 DU
Matrix: Water
Analysis Batch: 71824

Client Sample ID: MW-34-W-220927
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1500			1562		mg/L				4	10

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

GC VOA

Analysis Batch: 36169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19715-1	MW-35-W-220927	Total/NA	Water	8021B	
MB 880-36169/8	Method Blank	Total/NA	Water	8021B	
LCS 880-36169/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-36169/4	Lab Control Sample Dup	Total/NA	Water	8021B	

Analysis Batch: 36270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19715-1	MW-35-W-220927	Total/NA	Water	Total BTEX	
880-19715-2	MW-38-W-220927	Total/NA	Water	Total BTEX	
880-19715-3	MW-15-W-220927	Total/NA	Water	Total BTEX	
880-19715-4	DUP-1-W-220927	Total/NA	Water	Total BTEX	
880-19715-5	MW-16-W-220927	Total/NA	Water	Total BTEX	
880-19715-6	MWD-13-W-220927	Total/NA	Water	Total BTEX	
880-19715-7	MW-32-W-220927	Total/NA	Water	Total BTEX	
880-19715-8	MW-29-W-220927	Total/NA	Water	Total BTEX	
880-19715-9	MW-30-W-220927	Total/NA	Water	Total BTEX	
880-19715-10	MW-34-W-220927	Total/NA	Water	Total BTEX	
880-19715-11	DUP-2-W-220927	Total/NA	Water	Total BTEX	

Analysis Batch: 36389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19715-2	MW-38-W-220927	Total/NA	Water	8021B	
880-19715-3	MW-15-W-220927	Total/NA	Water	8021B	
880-19715-4	DUP-1-W-220927	Total/NA	Water	8021B	
880-19715-5	MW-16-W-220927	Total/NA	Water	8021B	
880-19715-6	MWD-13-W-220927	Total/NA	Water	8021B	
880-19715-7	MW-32-W-220927	Total/NA	Water	8021B	
880-19715-8	MW-29-W-220927	Total/NA	Water	8021B	
880-19715-8	MW-29-W-220927	Total/NA	Water	8021B	
880-19715-9	MW-30-W-220927	Total/NA	Water	8021B	
880-19715-10	MW-34-W-220927	Total/NA	Water	8021B	
880-19715-11	DUP-2-W-220927	Total/NA	Water	8021B	
MB 880-36389/7	Method Blank	Total/NA	Water	8021B	
LCSD 880-36389/4	Lab Control Sample Dup	Total/NA	Water	8021B	
880-19715-2 MS	MW-38-W-220927	Total/NA	Water	8021B	
880-19715-2 MSD	MW-38-W-220927	Total/NA	Water	8021B	

Analysis Batch: 36469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19715-8	MW-29-W-220927	Total/NA	Water	8021B	
MB 880-36469/8	Method Blank	Total/NA	Water	8021B	
LCS 880-36469/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-36469/4	Lab Control Sample Dup	Total/NA	Water	8021B	

GC Semi VOA

Prep Batch: 35839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19715-1	MW-35-W-220927	Total/NA	Water	8015NM Aq Prep	
880-19715-2	MW-38-W-220927	Total/NA	Water	8015NM Aq Prep	
880-19715-3	MW-15-W-220927	Total/NA	Water	8015NM Aq Prep	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

GC Semi VOA (Continued)

Prep Batch: 35839 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19715-4	DUP-1-W-220927	Total/NA	Water	8015NM Aq Prep	
880-19715-5	MW-16-W-220927	Total/NA	Water	8015NM Aq Prep	
880-19715-6	MWD-13-W-220927	Total/NA	Water	8015NM Aq Prep	
880-19715-7	MW-32-W-220927	Total/NA	Water	8015NM Aq Prep	
880-19715-8	MW-29-W-220927	Total/NA	Water	8015NM Aq Prep	
880-19715-9	MW-30-W-220927	Total/NA	Water	8015NM Aq Prep	
880-19715-10	MW-34-W-220927	Total/NA	Water	8015NM Aq Prep	
880-19715-11	DUP-2-W-220927	Total/NA	Water	8015NM Aq Prep	
MB 880-35839/1-A	Method Blank	Total/NA	Water	8015NM Aq Prep	
LCS 880-35839/2-A	Lab Control Sample	Total/NA	Water	8015NM Aq Prep	
LCSD 880-35839/3-A	Lab Control Sample Dup	Total/NA	Water	8015NM Aq Prep	
880-19715-1 MS	MW-35-W-220927	Total/NA	Water	8015NM Aq Prep	
880-19715-1 MSD	MW-35-W-220927	Total/NA	Water	8015NM Aq Prep	

Analysis Batch: 35859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19715-1	MW-35-W-220927	Total/NA	Water	8015B NM	35839
880-19715-2	MW-38-W-220927	Total/NA	Water	8015B NM	35839
880-19715-3	MW-15-W-220927	Total/NA	Water	8015B NM	35839
880-19715-4	DUP-1-W-220927	Total/NA	Water	8015B NM	35839
880-19715-5	MW-16-W-220927	Total/NA	Water	8015B NM	35839
880-19715-6	MWD-13-W-220927	Total/NA	Water	8015B NM	35839
880-19715-7	MW-32-W-220927	Total/NA	Water	8015B NM	35839
880-19715-8	MW-29-W-220927	Total/NA	Water	8015B NM	35839
880-19715-9	MW-30-W-220927	Total/NA	Water	8015B NM	35839
880-19715-10	MW-34-W-220927	Total/NA	Water	8015B NM	35839
880-19715-11	DUP-2-W-220927	Total/NA	Water	8015B NM	35839
MB 880-35839/1-A	Method Blank	Total/NA	Water	8015B NM	35839
LCS 880-35839/2-A	Lab Control Sample	Total/NA	Water	8015B NM	35839
LCSD 880-35839/3-A	Lab Control Sample Dup	Total/NA	Water	8015B NM	35839
880-19715-1 MS	MW-35-W-220927	Total/NA	Water	8015B NM	35839
880-19715-1 MSD	MW-35-W-220927	Total/NA	Water	8015B NM	35839

Analysis Batch: 35934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19715-1	MW-35-W-220927	Total/NA	Water	8015 NM	
880-19715-2	MW-38-W-220927	Total/NA	Water	8015 NM	
880-19715-3	MW-15-W-220927	Total/NA	Water	8015 NM	
880-19715-4	DUP-1-W-220927	Total/NA	Water	8015 NM	
880-19715-5	MW-16-W-220927	Total/NA	Water	8015 NM	
880-19715-6	MWD-13-W-220927	Total/NA	Water	8015 NM	
880-19715-7	MW-32-W-220927	Total/NA	Water	8015 NM	
880-19715-8	MW-29-W-220927	Total/NA	Water	8015 NM	
880-19715-9	MW-30-W-220927	Total/NA	Water	8015 NM	
880-19715-10	MW-34-W-220927	Total/NA	Water	8015 NM	
880-19715-11	DUP-2-W-220927	Total/NA	Water	8015 NM	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

HPLC/IC

Analysis Batch: 71793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19715-1	MW-35-W-220927	Total/NA	Water	300.0	
880-19715-2	MW-38-W-220927	Total/NA	Water	300.0	
880-19715-3	MW-15-W-220927	Total/NA	Water	300.0	
880-19715-4	DUP-1-W-220927	Total/NA	Water	300.0	
880-19715-5	MW-16-W-220927	Total/NA	Water	300.0	
880-19715-6	MWD-13-W-220927	Total/NA	Water	300.0	
880-19715-7	MW-32-W-220927	Total/NA	Water	300.0	
880-19715-8	MW-29-W-220927	Total/NA	Water	300.0	
880-19715-9	MW-30-W-220927	Total/NA	Water	300.0	
880-19715-10	MW-34-W-220927	Total/NA	Water	300.0	
880-19715-11	DUP-2-W-220927	Total/NA	Water	300.0	
MB 860-71793/13	Method Blank	Total/NA	Water	300.0	
MB 860-71793/48	Method Blank	Total/NA	Water	300.0	
LCS 860-71793/14	Lab Control Sample	Total/NA	Water	300.0	
LCS 860-71793/49	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-71793/15	Lab Control Sample Dup	Total/NA	Water	300.0	
LCSD 860-71793/50	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-71793/17	Lab Control Sample	Total/NA	Water	300.0	

Metals

Prep Batch: 71539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19715-1	MW-35-W-220927	Dissolved	Water	3010A	
880-19715-2	MW-38-W-220927	Dissolved	Water	3010A	
880-19715-3	MW-15-W-220927	Dissolved	Water	3010A	
880-19715-4	DUP-1-W-220927	Dissolved	Water	3010A	
880-19715-5	MW-16-W-220927	Dissolved	Water	3010A	
880-19715-6	MWD-13-W-220927	Dissolved	Water	3010A	
880-19715-7	MW-32-W-220927	Dissolved	Water	3010A	
880-19715-8	MW-29-W-220927	Dissolved	Water	3010A	
880-19715-9	MW-30-W-220927	Dissolved	Water	3010A	
880-19715-10	MW-34-W-220927	Dissolved	Water	3010A	
880-19715-11	DUP-2-W-220927	Dissolved	Water	3010A	
MB 860-71539/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-71539/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-71539/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 71802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19715-1	MW-35-W-220927	Dissolved	Water	6020A	71539
880-19715-2	MW-38-W-220927	Dissolved	Water	6020A	71539
880-19715-3	MW-15-W-220927	Dissolved	Water	6020A	71539
880-19715-4	DUP-1-W-220927	Dissolved	Water	6020A	71539
880-19715-5	MW-16-W-220927	Dissolved	Water	6020A	71539
880-19715-6	MWD-13-W-220927	Dissolved	Water	6020A	71539
880-19715-7	MW-32-W-220927	Dissolved	Water	6020A	71539
880-19715-8	MW-29-W-220927	Dissolved	Water	6020A	71539
880-19715-9	MW-30-W-220927	Dissolved	Water	6020A	71539
880-19715-10	MW-34-W-220927	Dissolved	Water	6020A	71539
880-19715-11	DUP-2-W-220927	Dissolved	Water	6020A	71539

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Metals (Continued)

Analysis Batch: 71802 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-71539/1-A	Method Blank	Total/NA	Water	6020A	71539
LCS 860-71539/2-A	Lab Control Sample	Total/NA	Water	6020A	71539
LCSD 860-71539/3-A	Lab Control Sample Dup	Total/NA	Water	6020A	71539

Analysis Batch: 72185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19715-8	MW-29-W-220927	Dissolved	Water	6020A	71539
880-19715-10	MW-34-W-220927	Dissolved	Water	6020A	71539
880-19715-11	DUP-2-W-220927	Dissolved	Water	6020A	71539

General Chemistry

Analysis Batch: 35542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19715-1	MW-35-W-220927	Dissolved	Water	7196A	
880-19715-2	MW-38-W-220927	Dissolved	Water	7196A	
880-19715-3	MW-15-W-220927	Dissolved	Water	7196A	
880-19715-4	DUP-1-W-220927	Dissolved	Water	7196A	
880-19715-5	MW-16-W-220927	Dissolved	Water	7196A	
880-19715-6	MWD-13-W-220927	Dissolved	Water	7196A	
MB 880-35542/3	Method Blank	Total/NA	Water	7196A	
LCS 880-35542/4	Lab Control Sample	Total/NA	Water	7196A	
LCSD 880-35542/5	Lab Control Sample Dup	Total/NA	Water	7196A	
880-19715-1 MS	MW-35-W-220927	Dissolved	Water	7196A	
880-19715-1 MSD	MW-35-W-220927	Dissolved	Water	7196A	

Analysis Batch: 35543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19715-7	MW-32-W-220927	Dissolved	Water	7196A	
880-19715-8	MW-29-W-220927	Dissolved	Water	7196A	
880-19715-9	MW-30-W-220927	Dissolved	Water	7196A	
880-19715-10	MW-34-W-220927	Dissolved	Water	7196A	
880-19715-11	DUP-2-W-220927	Dissolved	Water	7196A	
MB 880-35543/3	Method Blank	Total/NA	Water	7196A	
LCS 880-35543/4	Lab Control Sample	Total/NA	Water	7196A	
LCSD 880-35543/5	Lab Control Sample Dup	Total/NA	Water	7196A	
880-19715-9 MS	MW-30-W-220927	Dissolved	Water	7196A	
880-19715-9 MSD	MW-30-W-220927	Dissolved	Water	7196A	

Analysis Batch: 71824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19715-1	MW-35-W-220927	Total/NA	Water	SM 2540C	
880-19715-2	MW-38-W-220927	Total/NA	Water	SM 2540C	
880-19715-3	MW-15-W-220927	Total/NA	Water	SM 2540C	
880-19715-4	DUP-1-W-220927	Total/NA	Water	SM 2540C	
880-19715-5	MW-16-W-220927	Total/NA	Water	SM 2540C	
880-19715-6	MWD-13-W-220927	Total/NA	Water	SM 2540C	
880-19715-7	MW-32-W-220927	Total/NA	Water	SM 2540C	
880-19715-8	MW-29-W-220927	Total/NA	Water	SM 2540C	
880-19715-9	MW-30-W-220927	Total/NA	Water	SM 2540C	
880-19715-10	MW-34-W-220927	Total/NA	Water	SM 2540C	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

General Chemistry (Continued)

Analysis Batch: 71824 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19715-11	DUP-2-W-220927	Total/NA	Water	SM 2540C	
MB 860-71824/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 860-71824/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 860-71824/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
880-19715-10 DU	MW-34-W-220927	Total/NA	Water	SM 2540C	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Client Sample ID: MW-35-W-220927

Lab Sample ID: 880-19715-1
Matrix: Water
Date Collected: 09/27/22 09:45
Date Received: 09/27/22 17:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	36169	10/05/22 17:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36270	10/06/22 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35934	10/03/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Aq Prep			32.8 mL	3 mL	35839	09/30/22 16:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35859	10/01/22 12:49	SM	EET MID
Total/NA	Analysis	300.0		1			71793	10/04/22 23:26	RBNS	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	71539	10/03/22 09:30	MD	EET HOU
Dissolved	Analysis	6020A		1			71802	10/04/22 04:17	SHZ	EET HOU
Dissolved	Analysis	7196A		1	97 mL	100 mL	35542	09/27/22 17:59	SMC	EET MID
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	71824	10/04/22 14:12	BSR	EET HOU

Client Sample ID: MW-38-W-220927

Lab Sample ID: 880-19715-2
Matrix: Water
Date Collected: 09/27/22 10:15
Date Received: 09/27/22 17:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	36389	10/07/22 17:12	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36270	10/06/22 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35934	10/03/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Aq Prep			32.8 mL	3 mL	35839	09/30/22 16:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35859	10/01/22 13:50	SM	EET MID
Total/NA	Analysis	300.0		10			71793	10/04/22 23:40	RBNS	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	71539	10/03/22 09:30	MD	EET HOU
Dissolved	Analysis	6020A		1			71802	10/04/22 04:20	SHZ	EET HOU
Dissolved	Analysis	7196A		1	97 mL	100 mL	35542	09/27/22 17:59	SMC	EET MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	71824	10/04/22 14:12	BSR	EET HOU

Client Sample ID: MW-15-W-220927

Lab Sample ID: 880-19715-3
Matrix: Water
Date Collected: 09/27/22 11:00
Date Received: 09/27/22 17:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	36389	10/07/22 17:33	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36270	10/06/22 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35934	10/03/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Aq Prep			32.8 mL	3 mL	35839	09/30/22 16:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35859	10/01/22 14:10	SM	EET MID
Total/NA	Analysis	300.0		10			71793	10/04/22 23:54	RBNS	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	71539	10/03/22 09:30	MD	EET HOU
Dissolved	Analysis	6020A		1			71802	10/04/22 04:23	SHZ	EET HOU
Dissolved	Analysis	7196A		1	97 mL	100 mL	35542	09/27/22 17:59	SMC	EET MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	71824	10/04/22 14:12	BSR	EET HOU

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Client Sample ID: DUP-1-W-220927

Lab Sample ID: 880-19715-4
Matrix: Water
Date Collected: 09/27/22 00:00
Date Received: 09/27/22 17:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	36389	10/07/22 17:54	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36270	10/06/22 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35934	10/03/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Aq Prep			32.9 mL	3 mL	35839	09/30/22 16:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35859	10/01/22 14:30	SM	EET MID
Total/NA	Analysis	300.0		10			71793	10/05/22 00:36	RBNS	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	71539	10/03/22 09:30	MD	EET HOU
Dissolved	Analysis	6020A		1			71802	10/04/22 04:26	SHZ	EET HOU
Dissolved	Analysis	7196A		1	97 mL	100 mL	35542	09/27/22 17:59	SMC	EET MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	71824	10/04/22 14:12	BSR	EET HOU

Client Sample ID: MW-16-W-220927

Lab Sample ID: 880-19715-5
Matrix: Water
Date Collected: 09/27/22 11:30
Date Received: 09/27/22 17:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	36389	10/07/22 18:14	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36270	10/06/22 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35934	10/03/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Aq Prep			32.7 mL	3 mL	35839	09/30/22 16:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35859	10/01/22 14:50	SM	EET MID
Total/NA	Analysis	300.0		10			71793	10/05/22 00:50	RBNS	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	71539	10/03/22 09:30	MD	EET HOU
Dissolved	Analysis	6020A		1			71802	10/04/22 04:29	SHZ	EET HOU
Dissolved	Analysis	7196A		1	97 mL	100 mL	35542	09/27/22 17:59	SMC	EET MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	71824	10/04/22 14:12	BSR	EET HOU

Client Sample ID: MWD-13-W-220927

Lab Sample ID: 880-19715-6
Matrix: Water
Date Collected: 09/27/22 12:30
Date Received: 09/27/22 17:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	36389	10/07/22 18:35	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36270	10/06/22 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35934	10/03/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Aq Prep			32.8 mL	3 mL	35839	09/30/22 16:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35859	10/01/22 15:11	SM	EET MID
Total/NA	Analysis	300.0		10			71793	10/05/22 01:03	RBNS	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	71539	10/03/22 09:30	MD	EET HOU
Dissolved	Analysis	6020A		1			71802	10/04/22 04:32	SHZ	EET HOU
Dissolved	Analysis	7196A		1	97 mL	100 mL	35542	09/27/22 17:59	SMC	EET MID
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	71824	10/04/22 14:12	BSR	EET HOU

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Client Sample ID: MW-32-W-220927
Date Collected: 09/27/22 12:55
Date Received: 09/27/22 17:20

Lab Sample ID: 880-19715-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	36389	10/07/22 18:55	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36270	10/06/22 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35934	10/03/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Aq Prep			32.8 mL	3 mL	35839	09/30/22 16:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35859	10/01/22 15:31	SM	EET MID
Total/NA	Analysis	300.0		10			71793	10/05/22 01:17	RBNS	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	71539	10/03/22 09:30	MD	EET HOU
Dissolved	Analysis	6020A		1			71802	10/04/22 04:35	SHZ	EET HOU
Dissolved	Analysis	7196A		1	97 mL	100 mL	35543	09/28/22 09:47	KS	EET MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	71824	10/04/22 14:12	BSR	EET HOU

Client Sample ID: MW-29-W-220927
Date Collected: 09/27/22 13:45
Date Received: 09/27/22 17:20

Lab Sample ID: 880-19715-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	36389	10/07/22 19:16	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36389	10/07/22 19:36	AJ	EET MID
Total/NA	Analysis	8021B		10	5 mL	5 mL	36469	10/09/22 17:01	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36270	10/06/22 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35934	10/03/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Aq Prep			32.8 mL	3 mL	35839	09/30/22 16:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35859	10/01/22 15:52	SM	EET MID
Total/NA	Analysis	300.0		10			71793	10/05/22 01:31	RBNS	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	71539	10/03/22 09:30	MD	EET HOU
Dissolved	Analysis	6020A		1			71802	10/04/22 04:38	SHZ	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	71539	10/03/22 09:30	MD	EET HOU
Dissolved	Analysis	6020A		50			72185	10/05/22 21:54	SHZ	EET HOU
Dissolved	Analysis	7196A		1	97 mL	100 mL	35543	09/28/22 09:47	KS	EET MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	71824	10/04/22 14:12	BSR	EET HOU

Client Sample ID: MW-30-W-220927
Date Collected: 09/27/22 14:15
Date Received: 09/27/22 17:20

Lab Sample ID: 880-19715-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	36389	10/07/22 19:57	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36270	10/06/22 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35934	10/03/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Aq Prep			33 mL	3 mL	35839	09/30/22 16:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35859	10/01/22 16:12	SM	EET MID
Total/NA	Analysis	300.0		10			71793	10/05/22 01:45	RBNS	EET HOU

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Client Sample ID: MW-30-W-220927

Lab Sample ID: 880-19715-9
Matrix: Water
Date Collected: 09/27/22 14:15
Date Received: 09/27/22 17:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3010A			50 mL	50 mL	71539	10/03/22 09:30	MD	EET HOU
Dissolved	Analysis	6020A		1			71802	10/04/22 04:41	SHZ	EET HOU
Dissolved	Analysis	7196A		1	97 mL	100 mL	35543	09/28/22 09:47	KS	EET MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	71824	10/04/22 14:12	BSR	EET HOU

Client Sample ID: MW-34-W-220927

Lab Sample ID: 880-19715-10
Matrix: Water
Date Collected: 09/27/22 14:35
Date Received: 09/27/22 17:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	36389	10/07/22 20:17	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36270	10/06/22 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35934	10/03/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Aq Prep			33 mL	3 mL	35839	09/30/22 16:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35859	10/01/22 16:33	SM	EET MID
Total/NA	Analysis	300.0		10			71793	10/05/22 01:59	RBNS	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	71539	10/03/22 09:30	MD	EET HOU
Dissolved	Analysis	6020A		1			71802	10/04/22 04:50	SHZ	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	71539	10/03/22 09:30	MD	EET HOU
Dissolved	Analysis	6020A		25			72185	10/05/22 21:57	SHZ	EET HOU
Dissolved	Analysis	7196A		1	97 mL	100 mL	35543	09/28/22 09:47	KS	EET MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	71824	10/04/22 14:12	BSR	EET HOU

Client Sample ID: DUP-2-W-220927

Lab Sample ID: 880-19715-11
Matrix: Water
Date Collected: 09/27/22 00:00
Date Received: 09/27/22 17:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	36389	10/07/22 20:37	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36270	10/06/22 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35934	10/03/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Aq Prep			33 mL	3 mL	35839	09/30/22 16:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35859	10/01/22 17:14	SM	EET MID
Total/NA	Analysis	300.0		10			71793	10/05/22 02:13	RBNS	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	71539	10/03/22 09:30	MD	EET HOU
Dissolved	Analysis	6020A		1			71802	10/04/22 04:53	SHZ	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	71539	10/03/22 09:30	MD	EET HOU
Dissolved	Analysis	6020A		25			72185	10/05/22 22:00	SHZ	EET HOU
Dissolved	Analysis	7196A		1	97 mL	100 mL	35543	09/28/22 09:47	KS	EET MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	71824	10/04/22 14:12	BSR	EET HOU

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

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

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Water	Total TPH
Total BTEX		Water	Total BTEX

Laboratory: Eurofins Houston

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215-22-47	06-30-23

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET HOU
6020A	Metals (ICP/MS)	SW846	EET HOU
7196A	Chromium, Hexavalent	SW846	EET MID
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET HOU
3010A	Preparation, Total Metals	SW846	EET HOU
5030B	Purge and Trap	SW846	EET MID
8015NM Aq Prep	Microextraction	SW846	EET MID

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

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

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-19715-1	MW-35-W-220927	Water	09/27/22 09:45	09/27/22 17:20
880-19715-2	MW-38-W-220927	Water	09/27/22 10:15	09/27/22 17:20
880-19715-3	MW-15-W-220927	Water	09/27/22 11:00	09/27/22 17:20
880-19715-4	DUP-1-W-220927	Water	09/27/22 00:00	09/27/22 17:20
880-19715-5	MW-16-W-220927	Water	09/27/22 11:30	09/27/22 17:20
880-19715-6	MWD-13-W-220927	Water	09/27/22 12:30	09/27/22 17:20
880-19715-7	MW-32-W-220927	Water	09/27/22 12:55	09/27/22 17:20
880-19715-8	MW-29-W-220927	Water	09/27/22 13:45	09/27/22 17:20
880-19715-9	MW-30-W-220927	Water	09/27/22 14:15	09/27/22 17:20
880-19715-10	MW-34-W-220927	Water	09/27/22 14:35	09/27/22 17:20
880-19715-11	DUP-2-W-220927	Water	09/27/22 00:00	09/27/22 17:20

Released to Imaging: 4/10/2023 12:09:44 PM
Received by OCD: 3/29/2023 1:18:07 PM

Eurofins Midland
1211 W Florida Ave
Midland TX 79701
Phone (432) 704-5440

Chain of Custody Record

eurofins Environment Testing America

19715

Client Information	Sampler: Daniel McGee	Lab PM: Builes John	Carrier Tracking No(s):	COC No: 880-3910-441 1
Client Contact: Andrew DeMarco	Phone: 432-999-7980	E-Mail: John Builes@et eurofinsus com	State of Origin:	Page: Page 1 of 2
Company: ARCADIS U S Inc.	PWSID:			Job #:
Address: 1004 North Big Spring Suite 300	Due Date Requested:			
City: Midland	TAT Requested (days): Standard			
State Zip: TX 79701	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: Andrew DeMarco@arcadis com	WO #:			
Project Name: Eunice South	Project #: 88000209			
Site: South Eunice	SSOW#:			

Analysis Requested

Preservation Codes

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F - MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D, 6020A, 7196A, 2340C - Calcd	2540C_Calcd - Local Method - Boron (Filtered)	8015MOD_NM - (MOD) Full TPH	8021B - BTEX	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A	A		
MW-~~11~~ 35-W 220927	9-27-22	0945	G	Water			X	X	X	X		
MW-~~15~~ 38-W 220927	9-27-22	1015	G	Water			X	X	X	X		
MW-~~16~~ 15-W-220927	9-27-22	1100	G	Water			X	X	X	X		
~~MW-17~~ DUP-1-W-220927	9-27-22	—	G	Water			X	X	X	X		
MW-~~24~~ 16-W-220927	9-27-22	1130	G	Water			X	X	X	X		
~~MW-25~~ ~~13-W-22~~ MW-13-W-220927	9-27-22	1230	G	Water			X	X	X	X		
MW-~~26~~ 32-W-220927	9-27-22	1255	G	Water			X	X	X	X		
MW-~~29~~ 29-W-220927	9-27-22	1345	G	Water			X	X	X	X		
MW-30-W-220927	9-27-22	1415	G	Water			X	X	X	X		
MW-~~32~~ 34-W-220927	9-27-22	1435	G	Water			X	X	X	X		
~~MW-34~~ DUP-2-W-220927	9-27-22	—	G	Water			X	X	X	X		

880-19715 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
		9-27-22 / 1720	Arcadis			
	Relinquished by	Date/Time:	Company	Received by	Date/Time	Company
	Relinquished by	Date/Time:	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks: 1.2°C

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 880-19715-1
SDG Number: South Eunice

Login Number: 19715
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 880-19715-1
SDG Number: South Eunice

Login Number: 19715
List Number: 2
Creator: Bolch, Taylor

List Source: Eurofins Houston
List Creation: 09/29/22 02:45 PM

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

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-19788-1
Laboratory Sample Delivery Group: South Eunice
Client Project/Site: Eunice South

For:
ARCADIS U.S., Inc.
1004 North Big Spring
Suite 300
Midland, Texas 79701

Attn: Andrew DeMarco

Authorized for release by:
10/14/2022 6:51:19 PM

John Builes, Project Manager
(561)558-4549
John.Builes@et.eurofinsus.com

LINKS
Review your project results through my EOL
Have a Question? Ask The Expert
Visit us at: www.eurofinsus.com/Env

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

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

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Laboratory Job ID: 880-19788-1
SDG: South Eunice

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Definitions/Glossary

Client: ARCADIS U.S., Inc. Job ID: 880-19788-1
Project/Site: Eunice South SDG: South Eunice

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive

Definitions/Glossary

Client: ARCADIS U.S., Inc. Job ID: 880-19788-1
Project/Site: Eunice South SDG: South Eunice

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19788-1
SDG: South Eunice

Job ID: 880-19788-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-19788-1

Receipt
The samples were received on 9/28/2022 4:51 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.8°C

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: MWD-15-W-220928 (880-19788-2). Evidence of matrix interferences is not obvious.

Method 8021B: The method blank for analytical batch 880-36389 contained Benzene, Toluene and m-Xylene & p-Xylene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8021B: The laboratory control sample (LCS) associated with analytical batch 880-36389 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The laboratory control sample (LCS) associated with analytical batch 880-36469 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: Surrogate recovery for the following sample was outside control limits: MWD-3-W-220928 (880-19788-3). Evidence of matrix interferences is not obvious.

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

GC Semi VOA
Method 8015MOD_NM: The method blank for preparation batch 880-35839 and analytical batch 880-35859 contained Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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

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

Metals
Method 6020A: The following samples were diluted to bring the concentration of target analytes within the calibration range: MWD-15-W-220928 (880-19788-2) and MWD-3-W-220928 (880-19788-3). Elevated reporting limits (RLs) are provided.

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

General Chemistry
Method 7196A: The following sample did not generate the appropriate color change indicating the absence of Hexavalent Chromium. The recovered concentration of 0.005297 mg/L (0.0170 ABS) was likely due to Iron interference, therefore the uncorrected response was reported as zero. RW-6-W-220928 (880-19788-4)

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

Released to Imaging: 4/10/2023 12:09:44 PM

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19788-1
SDG: South Eunice

Client Sample ID: MW-17-W-220928

Date Collected: 09/28/22 09:30
Date Received: 09/28/22 16:51

Lab Sample ID: 880-19788-1

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			10/08/22 00:44	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/08/22 00:44	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/08/22 00:44	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/08/22 00:44	1
o-Xylene	<0.000642	U *+	0.00200	0.000642	mg/L			10/08/22 00:44	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/08/22 00:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*		*10/08/22 00:44*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*		*10/08/22 00:44*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			10/08/22 09:14	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.898	U	4.55	0.898	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 17:35	1
Diesel Range Organics (Over C10-C28)	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 17:35	1
OII Range Organics (Over C28-C36)	<0.867	U	4.55	0.867	mg/L		09/30/22 16:46	10/01/22 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*09/30/22 16:46*	*10/01/22 17:35*	*1*
o-Terphenyl	*89*		*70 - 130*	*09/30/22 16:46*	*10/01/22 17:35*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**792**	**B**	5.00	2.00	mg/L			10/05/22 02:33	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00758**		0.00400	0.000290	mg/L		10/03/22 09:30	10/04/22 01:47	1
Barium	**0.157**		0.00400	0.00134	mg/L		10/03/22 09:30	10/04/22 01:47	1
Chromium	**0.00251**	**J**	0.00400	0.000560	mg/L		10/03/22 09:30	10/04/22 01:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1810**		20.0	20.0	mg/L			10/04/22 14:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/29/22 07:45	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19788-1
SDG: South Eunice

Client Sample ID: MWD-15-W-220928

Date Collected: 09/28/22 10:25
Date Received: 09/28/22 16:51

Lab Sample ID: 880-19788-2

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00321	B	0.00200	0.000408	mg/L			10/08/22 01:04	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/08/22 01:04	1
Ethylbenzene	0.00198	J	0.00200	0.000657	mg/L			10/08/22 01:04	1
m-Xylene & p-Xylene	0.00412	B	0.00400	0.000629	mg/L			10/08/22 01:04	1
o-Xylene	0.00435	*+	0.00200	0.000642	mg/L			10/08/22 01:04	1
Xylenes, Total	0.00847	B	0.00400	0.000642	mg/L			10/08/22 01:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*207*	*S1+*	*70 - 130*		*10/08/22 01:04*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*		*10/08/22 01:04*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0137		0.00400	0.000657	mg/L			10/08/22 09:14	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.898	U	4.55	0.898	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 17:55	1
Diesel Range Organics (Over C10-C28)	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 17:55	1
OII Range Organics (Over C28-C36)	<0.867	U	4.55	0.867	mg/L		09/30/22 16:46	10/01/22 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*09/30/22 16:46*	*10/01/22 17:55*	*1*
o-Terphenyl	*87*		*70 - 130*	*09/30/22 16:46*	*10/01/22 17:55*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1190	B	5.00	2.00	mg/L			10/05/22 02:45	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00608		0.00400	0.000290	mg/L		10/03/22 09:30	10/04/22 01:50	1
Barium	2.93		0.400	0.134	mg/L		10/03/22 09:30	10/05/22 19:59	100
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/03/22 09:30	10/04/22 01:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2820		40.0	40.0	mg/L			10/05/22 11:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	0.0329		0.0100	0.00270	mg/L			09/29/22 07:45	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19788-1
SDG: South Eunice

Client Sample ID: MWD-3-W-220928

Date Collected: 09/28/22 11:25
Date Received: 09/28/22 16:51

Lab Sample ID: 880-19788-3

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.17		0.0400	0.00816	mg/L			10/12/22 21:02	20
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/09/22 19:25	1
Ethylbenzene	0.00131	J	0.00200	0.000657	mg/L			10/09/22 19:25	1
m-Xylene & p-Xylene	0.000725	J	0.00400	0.000629	mg/L			10/09/22 19:25	1
o-Xylene	<0.000642	U *+ *1	0.00200	0.000642	mg/L			10/09/22 19:25	1
Xylenes, Total	0.000725	J	0.00400	0.000642	mg/L			10/09/22 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*10/09/22 19:25*	*1*
1,4-Difluorobenzene (Surr)	*209*	*S1+*	*70 - 130*		*10/09/22 19:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1.17		0.00400	0.000657	mg/L			10/08/22 09:14	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.898	U	4.55	0.898	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 18:16	1
Diesel Range Organics (Over C10-C28)	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 18:16	1
OII Range Organics (Over C28-C36)	<0.867	U	4.55	0.867	mg/L		09/30/22 16:46	10/01/22 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*09/30/22 16:46*	*10/01/22 18:16*	*1*
o-Terphenyl	*92*		*70 - 130*	*09/30/22 16:46*	*10/01/22 18:16*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19200	B	50.0	20.0	mg/L			10/05/22 03:41	100

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0397		0.00400	0.000290	mg/L		10/03/22 09:30	10/04/22 01:53	1
Barium	3.31		0.400	0.134	mg/L		10/03/22 09:30	10/05/22 20:02	100
Chromium	0.000833	J	0.00400	0.000560	mg/L		10/03/22 09:30	10/04/22 01:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	33000		200	200	mg/L			10/04/22 14:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/29/22 07:45	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19788-1
SDG: South Eunice

Client Sample ID: RW-6-W-220928

Date Collected: 09/28/22 13:00
Date Received: 09/28/22 16:51

Lab Sample ID: 880-19788-4

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0188		0.00200	0.000408	mg/L			10/09/22 19:45	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/09/22 19:45	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/09/22 19:45	1
m-Xylene & p-Xylene	0.00188	J	0.00400	0.000629	mg/L			10/09/22 19:45	1
o-Xylene	0.00126	J *+ *1	0.00200	0.000642	mg/L			10/09/22 19:45	1
Xylenes, Total	0.00314	J	0.00400	0.000642	mg/L			10/09/22 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*10/09/22 19:45*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*		*10/09/22 19:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0219		0.00400	0.000657	mg/L			10/08/22 09:14	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.898	U	4.55	0.898	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 18:37	1
Diesel Range Organics (Over C10-C28)	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 18:37	1
OII Range Organics (Over C28-C36)	<0.867	U	4.55	0.867	mg/L		09/30/22 16:46	10/01/22 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*09/30/22 16:46*	*10/01/22 18:37*	*1*
o-Terphenyl	*82*		*70 - 130*	*09/30/22 16:46*	*10/01/22 18:37*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	963	B	5.00	2.00	mg/L			10/05/22 02:56	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00325	J	0.00400	0.000290	mg/L		10/03/22 09:30	10/04/22 01:56	1
Barium	1.47		0.00400	0.00134	mg/L		10/03/22 09:30	10/04/22 01:56	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/03/22 09:30	10/04/22 01:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2790		40.0	40.0	mg/L			10/04/22 14:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/29/22 07:45	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19788-1
SDG: South Eunice

Client Sample ID: MWD-12-W-220928

Date Collected: 09/28/22 13:45
Date Received: 09/28/22 16:51

Lab Sample ID: 880-19788-5

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00586		0.00200	0.000408	mg/L			10/09/22 20:06	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/09/22 20:06	1
Ethylbenzene	0.0435		0.00200	0.000657	mg/L			10/09/22 20:06	1
m-Xylene & p-Xylene	0.00408		0.00400	0.000629	mg/L			10/09/22 20:06	1
o-Xylene	0.00294	*+ *1	0.00200	0.000642	mg/L			10/09/22 20:06	1
Xylenes, Total	0.00702		0.00400	0.000642	mg/L			10/09/22 20:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*10/09/22 20:06*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*		*10/09/22 20:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0564		0.00400	0.000657	mg/L			10/08/22 09:14	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.898	U	4.55	0.898	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 18:58	1
Diesel Range Organics (Over C10-C28)	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 18:58	1
OII Range Organics (Over C28-C36)	<0.867	U	4.55	0.867	mg/L		09/30/22 16:46	10/01/22 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*09/30/22 16:46*	*10/01/22 18:58*	*1*
o-Terphenyl	*90*		*70 - 130*	*09/30/22 16:46*	*10/01/22 18:58*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1610	B	5.00	2.00	mg/L			10/05/22 03:07	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0356		0.00400	0.000290	mg/L		10/03/22 09:30	10/04/22 01:59	1
Barium	0.253		0.00400	0.00134	mg/L		10/03/22 09:30	10/04/22 01:59	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/03/22 09:30	10/04/22 01:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	4330		40.0	40.0	mg/L			10/04/22 14:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/29/22 07:45	1

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19788-1
SDG: South Eunice

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-19788-1	MW-17-W-220928	109	76
880-19788-2	MWD-15-W-220928	207 S1+	92
880-19788-3	MWD-3-W-220928	106	209 S1+
880-19788-4	RW-6-W-220928	94	116
880-19788-5	MWD-12-W-220928	108	105
LCS 880-36469/3	Lab Control Sample	108	106
LCS 880-36500/3	Lab Control Sample	113	100
LCS 880-36730/3	Lab Control Sample	107	98
LCSD 880-36389/4	Lab Control Sample Dup	119	102
LCSD 880-36469/4	Lab Control Sample Dup	128	92
LCSD 880-36500/4	Lab Control Sample Dup	98	101
LCSD 880-36730/4	Lab Control Sample Dup	107	87
MB 880-36389/7	Method Blank	84	93
MB 880-36469/8	Method Blank	86	91
MB 880-36500/8	Method Blank	68 S1-	93
MB 880-36730/8	Method Blank	70	89

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-19788-1	MW-17-W-220928	81	89
880-19788-2	MWD-15-W-220928	81	87
880-19788-3	MWD-3-W-220928	87	92
880-19788-4	RW-6-W-220928	77	82
880-19788-5	MWD-12-W-220928	84	90
LCS 880-35839/2-A	Lab Control Sample	114	120
LCSD 880-35839/3-A	Lab Control Sample Dup	107	112
MB 880-35839/1-A	Method Blank	101	115

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19788-1
SDG: South Eunice

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-36389/7
Matrix: Water
Analysis Batch: 36389

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0005790	J	0.00200	0.000408	mg/L			10/07/22 16:52	1
Toluene	0.0005435	J	0.00200	0.000367	mg/L			10/07/22 16:52	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/07/22 16:52	1
m-Xylene & p-Xylene	0.0009537	J	0.00400	0.000629	mg/L			10/07/22 16:52	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			10/07/22 16:52	1
Xylenes, Total	0.0009537	J	0.00400	0.000642	mg/L			10/07/22 16:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*		*10/07/22 16:52*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*		*10/07/22 16:52*	*1*

Lab Sample ID: LCSD 880-36389/4
Matrix: Water
Analysis Batch: 36389

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1054		mg/L		105	70 - 130	4	20
Toluene			0.100	0.1037		mg/L		104	70 - 130	5	20
Ethylbenzene			0.100	0.1100		mg/L		110	70 - 130	14	20
m-Xylene & p-Xylene			0.200	0.2439		mg/L		122	70 - 130	20	20
o-Xylene			0.100	0.1370	*+	mg/L		137	70 - 130	20	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: MB 880-36469/8
Matrix: Water
Analysis Batch: 36469

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			10/09/22 13:35	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/09/22 13:35	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/09/22 13:35	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/09/22 13:35	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			10/09/22 13:35	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/09/22 13:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*		*10/09/22 13:35*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*		*10/09/22 13:35*	*1*

Lab Sample ID: LCS 880-36469/3
Matrix: Water
Analysis Batch: 36469

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene			0.100	0.09735		mg/L		97	70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19788-1
SDG: South Eunice

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

Lab Sample ID: LCS 880-36469/3
Matrix: Water
Analysis Batch: 36469

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Toluene			0.100	0.09020		mg/L		90	70 - 130		
Ethylbenzene			0.100	0.09559		mg/L		96	70 - 130		
m-Xylene & p-Xylene			0.200	0.2049		mg/L		102	70 - 130		
o-Xylene			0.100	0.1134		mg/L		113	70 - 130		

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

Lab Sample ID: LCSD 880-36469/4
Matrix: Water
Analysis Batch: 36469

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09825		mg/L		98	70 - 130	1	20
Toluene			0.100	0.1000		mg/L		100	70 - 130	10	20
Ethylbenzene			0.100	0.1152		mg/L		115	70 - 130	19	20
m-Xylene & p-Xylene			0.200	0.2504		mg/L		125	70 - 130	20	20
o-Xylene			0.100	0.1404	*+ *1	mg/L		140	70 - 130	21	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: MB 880-36500/8
Matrix: Water
Analysis Batch: 36500

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			10/10/22 11:47	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/10/22 11:47	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/10/22 11:47	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/10/22 11:47	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			10/10/22 11:47	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/10/22 11:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*68*	*S1-*	*70 - 130*		*10/10/22 11:47*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*		*10/10/22 11:47*	*1*

Lab Sample ID: LCS 880-36500/3
Matrix: Water
Analysis Batch: 36500

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1109		mg/L		111	70 - 130		
Toluene			0.100	0.1158		mg/L		116	70 - 130		
Ethylbenzene			0.100	0.1215		mg/L		121	70 - 130		

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19788-1
SDG: South Eunice

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

Lab Sample ID: LCS 880-36500/3
Matrix: Water
Analysis Batch: 36500

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
m-Xylene & p-Xylene			0.200	0.2531		mg/L		127	70 - 130		
o-Xylene			0.100	0.1110		mg/L		111	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-36500/4
Matrix: Water
Analysis Batch: 36500

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09187		mg/L		92	70 - 130	19	20
Toluene			0.100	0.09361	*1	mg/L		94	70 - 130	21	20
Ethylbenzene			0.100	0.09415	*1	mg/L		94	70 - 130	25	20
m-Xylene & p-Xylene			0.200	0.1963	*1	mg/L		98	70 - 130	25	20
o-Xylene			0.100	0.08627	*1	mg/L		86	70 - 130	25	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: MB 880-36730/8
Matrix: Water
Analysis Batch: 36730

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			10/12/22 20:09	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/12/22 20:09	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/12/22 20:09	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/12/22 20:09	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			10/12/22 20:09	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/12/22 20:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*70*		*70 - 130*		*10/12/22 20:09*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*		*10/12/22 20:09*	*1*

Lab Sample ID: LCS 880-36730/3
Matrix: Water
Analysis Batch: 36730

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1050		mg/L		105	70 - 130		
Toluene			0.100	0.1086		mg/L		109	70 - 130		
Ethylbenzene			0.100	0.1061		mg/L		106	70 - 130		
m-Xylene & p-Xylene			0.200	0.2191		mg/L		110	70 - 130		
o-Xylene			0.100	0.09878		mg/L		99	70 - 130		

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19788-1
SDG: South Eunice

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-36730/4
Matrix: Water
Analysis Batch: 36730

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1038		mg/L		104	70 - 130	1	20
Toluene	0.100	0.1086		mg/L		109	70 - 130	0	20
Ethylbenzene	0.100	0.1103		mg/L		110	70 - 130	4	20
m-Xylene & p-Xylene	0.200	0.2297		mg/L		115	70 - 130	5	20
o-Xylene	0.100	0.1055		mg/L		105	70 - 130	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-35839/1-A
Matrix: Water
Analysis Batch: 35859

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35839

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.862	J	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 11:45	1
Diesel Range Organics (Over C10-C28)	1.166	J	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 11:45	1
OII Range Organics (Over C28-C36)	<0.867	U	4.55	0.867	mg/L		09/30/22 16:46	10/01/22 11:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	09/30/22 16:46	10/01/22 11:45	1
o-Terphenyl	115		70 - 130	09/30/22 16:46	10/01/22 11:45	1

Lab Sample ID: LCS 880-35839/2-A
Matrix: Water
Analysis Batch: 35859

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35839

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	90.4	93.86		mg/L		104	75 - 125
Diesel Range Organics (Over C10-C28)	90.4	87.99		mg/L		97	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	120		70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19788-1
SDG: South Eunice

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-35839/3-A
Matrix: Water
Analysis Batch: 35859

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35839

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			90.6	93.15		mg/L		103	75 - 125	1	20
Diesel Range Organics (Over C10-C28)			90.6	86.58		mg/L		96	75 - 125	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*107*		*70 - 130*
o-Terphenyl	*112*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-71790/3
Matrix: Water
Analysis Batch: 71790

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.2035	J	0.500	0.200	mg/L			10/04/22 13:11	1

Lab Sample ID: MB 860-71790/45
Matrix: Water
Analysis Batch: 71790

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.2089	J	0.500	0.200	mg/L			10/04/22 21:04	1

Lab Sample ID: LCS 860-71790/46
Matrix: Water
Analysis Batch: 71790

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			10.0	9.550		mg/L		96	90 - 110		

Lab Sample ID: LCSD 860-71790/47
Matrix: Water
Analysis Batch: 71790

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			10.0	9.539		mg/L		95	90 - 110	0	20

Lab Sample ID: LLCS 860-71790/9
Matrix: Water
Analysis Batch: 71790

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

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			0.500	0.5504		mg/L		110	50 - 150		

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19788-1
SDG: South Eunice

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 860-71541/1-A
Matrix: Water
Analysis Batch: 71800

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 71541

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.000290	U	0.00400	0.000290	mg/L		10/03/22 09:30	10/04/22 01:02	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		10/03/22 09:30	10/04/22 01:02	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/03/22 09:30	10/04/22 01:02	1

Lab Sample ID: LCS 860-71541/2-A
Matrix: Water
Analysis Batch: 71800

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 71541

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.09797		mg/L		98	80 - 120
Barium	0.100	0.09836		mg/L		98	80 - 120
Chromium	0.100	0.09852		mg/L		99	80 - 120

Lab Sample ID: LCSD 860-71541/3-A
Matrix: Water
Analysis Batch: 71800

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 71541

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.100	0.09690		mg/L		97	80 - 120	1	20
Barium	0.100	0.09752		mg/L		98	80 - 120	1	20
Chromium	0.100	0.09635		mg/L		96	80 - 120	2	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 880-35635/3
Matrix: Water
Analysis Batch: 35635

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00270	U	0.0100	0.00270	mg/L			09/29/22 07:45	1

Lab Sample ID: LCS 880-35635/4
Matrix: Water
Analysis Batch: 35635

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	0.0400	0.03871		mg/L		97	85 - 115

Lab Sample ID: LCSD 880-35635/5
Matrix: Water
Analysis Batch: 35635

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cr (VI)	0.0400	0.03871		mg/L		97	85 - 115	0	20

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19788-1
SDG: South Eunice

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: 880-19788-1 MS
Matrix: Water
Analysis Batch: 35635

Client Sample ID: MW-17-W-220928
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cr (VI)	<0.00270	U	0.200	0.2198		mg/L		110	85 - 115		

Lab Sample ID: 880-19788-1 MSD
Matrix: Water
Analysis Batch: 35635

Client Sample ID: MW-17-W-220928
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cr (VI)	<0.00270	U	0.200	0.2198		mg/L		110	85 - 115	0	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 860-71824/1
Matrix: Water
Analysis Batch: 71824

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<5.00	U	5.00	5.00	mg/L			10/04/22 14:12	1

Lab Sample ID: LCS 860-71824/2
Matrix: Water
Analysis Batch: 71824

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	1015		mg/L		102	80 - 120

Lab Sample ID: LCSD 860-71824/3
Matrix: Water
Analysis Batch: 71824

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	1000	1094		mg/L		109	80 - 120	7	10

Lab Sample ID: 880-19788-1 DU
Matrix: Water
Analysis Batch: 71824

Client Sample ID: MW-17-W-220928
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1810		1876		mg/L		4	10

Lab Sample ID: MB 860-71961/1
Matrix: Water
Analysis Batch: 71961

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<5.00	U	5.00	5.00	mg/L			10/05/22 11:00	1

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19788-1
SDG: South Eunice

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 860-71961/2
Matrix: Water
Analysis Batch: 71961

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	963.0		mg/L		96	80 - 120

Lab Sample ID: LCSD 860-71961/3
Matrix: Water
Analysis Batch: 71961

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	1000	950.0		mg/L		95	80 - 120	1	10

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19788-1
SDG: South Eunice

GC VOA

Analysis Batch: 36389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19788-1	MW-17-W-220928	Total/NA	Water	8021B	
880-19788-2	MWD-15-W-220928	Total/NA	Water	8021B	
MB 880-36389/7	Method Blank	Total/NA	Water	8021B	
LCSD 880-36389/4	Lab Control Sample Dup	Total/NA	Water	8021B	

Analysis Batch: 36438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19788-1	MW-17-W-220928	Total/NA	Water	Total BTEX	
880-19788-2	MWD-15-W-220928	Total/NA	Water	Total BTEX	
880-19788-3	MWD-3-W-220928	Total/NA	Water	Total BTEX	
880-19788-4	RW-6-W-220928	Total/NA	Water	Total BTEX	
880-19788-5	MWD-12-W-220928	Total/NA	Water	Total BTEX	

Analysis Batch: 36469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19788-3	MWD-3-W-220928	Total/NA	Water	8021B	
880-19788-4	RW-6-W-220928	Total/NA	Water	8021B	
880-19788-5	MWD-12-W-220928	Total/NA	Water	8021B	
MB 880-36469/8	Method Blank	Total/NA	Water	8021B	
LCS 880-36469/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-36469/4	Lab Control Sample Dup	Total/NA	Water	8021B	

Analysis Batch: 36500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-36500/8	Method Blank	Total/NA	Water	8021B	
LCS 880-36500/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-36500/4	Lab Control Sample Dup	Total/NA	Water	8021B	

Analysis Batch: 36730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19788-3	MWD-3-W-220928	Total/NA	Water	8021B	
MB 880-36730/8	Method Blank	Total/NA	Water	8021B	
LCS 880-36730/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-36730/4	Lab Control Sample Dup	Total/NA	Water	8021B	

GC Semi VOA

Prep Batch: 35839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19788-1	MW-17-W-220928	Total/NA	Water	8015NM Aq Prep	
880-19788-2	MWD-15-W-220928	Total/NA	Water	8015NM Aq Prep	
880-19788-3	MWD-3-W-220928	Total/NA	Water	8015NM Aq Prep	
880-19788-4	RW-6-W-220928	Total/NA	Water	8015NM Aq Prep	
880-19788-5	MWD-12-W-220928	Total/NA	Water	8015NM Aq Prep	
MB 880-35839/1-A	Method Blank	Total/NA	Water	8015NM Aq Prep	
LCS 880-35839/2-A	Lab Control Sample	Total/NA	Water	8015NM Aq Prep	
LCSD 880-35839/3-A	Lab Control Sample Dup	Total/NA	Water	8015NM Aq Prep	

Analysis Batch: 35859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19788-1	MW-17-W-220928	Total/NA	Water	8015B NM	35839

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19788-1
SDG: South Eunice

GC Semi VOA (Continued)

Analysis Batch: 35859 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19788-2	MWD-15-W-220928	Total/NA	Water	8015B NM	35839
880-19788-3	MWD-3-W-220928	Total/NA	Water	8015B NM	35839
880-19788-4	RW-6-W-220928	Total/NA	Water	8015B NM	35839
880-19788-5	MWD-12-W-220928	Total/NA	Water	8015B NM	35839
MB 880-35839/1-A	Method Blank	Total/NA	Water	8015B NM	35839
LCS 880-35839/2-A	Lab Control Sample	Total/NA	Water	8015B NM	35839
LCSD 880-35839/3-A	Lab Control Sample Dup	Total/NA	Water	8015B NM	35839

Analysis Batch: 35935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19788-1	MW-17-W-220928	Total/NA	Water	8015 NM	
880-19788-2	MWD-15-W-220928	Total/NA	Water	8015 NM	
880-19788-3	MWD-3-W-220928	Total/NA	Water	8015 NM	
880-19788-4	RW-6-W-220928	Total/NA	Water	8015 NM	
880-19788-5	MWD-12-W-220928	Total/NA	Water	8015 NM	

HPLC/IC

Analysis Batch: 71790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19788-1	MW-17-W-220928	Total/NA	Water	300.0	
880-19788-2	MWD-15-W-220928	Total/NA	Water	300.0	
880-19788-3	MWD-3-W-220928	Total/NA	Water	300.0	
880-19788-4	RW-6-W-220928	Total/NA	Water	300.0	
880-19788-5	MWD-12-W-220928	Total/NA	Water	300.0	
MB 860-71790/3	Method Blank	Total/NA	Water	300.0	
MB 860-71790/45	Method Blank	Total/NA	Water	300.0	
LCS 860-71790/46	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-71790/47	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-71790/9	Lab Control Sample	Total/NA	Water	300.0	

Metals

Prep Batch: 71541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19788-1	MW-17-W-220928	Dissolved	Water	3010A	
880-19788-2	MWD-15-W-220928	Dissolved	Water	3010A	
880-19788-3	MWD-3-W-220928	Dissolved	Water	3010A	
880-19788-4	RW-6-W-220928	Dissolved	Water	3010A	
880-19788-5	MWD-12-W-220928	Dissolved	Water	3010A	
MB 860-71541/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-71541/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-71541/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 71800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19788-1	MW-17-W-220928	Dissolved	Water	6020A	71541
880-19788-2	MWD-15-W-220928	Dissolved	Water	6020A	71541
880-19788-3	MWD-3-W-220928	Dissolved	Water	6020A	71541
880-19788-4	RW-6-W-220928	Dissolved	Water	6020A	71541
880-19788-5	MWD-12-W-220928	Dissolved	Water	6020A	71541
MB 860-71541/1-A	Method Blank	Total/NA	Water	6020A	71541

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19788-1
SDG: South Eunice

Metals (Continued)

Analysis Batch: 71800 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 860-71541/2-A	Lab Control Sample	Total/NA	Water	6020A	71541
LCSD 860-71541/3-A	Lab Control Sample Dup	Total/NA	Water	6020A	71541

Analysis Batch: 72084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19788-2	MWD-15-W-220928	Dissolved	Water	6020A	71541
880-19788-3	MWD-3-W-220928	Dissolved	Water	6020A	71541

General Chemistry

Analysis Batch: 35635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19788-1	MW-17-W-220928	Dissolved	Water	7196A	
880-19788-2	MWD-15-W-220928	Dissolved	Water	7196A	
880-19788-3	MWD-3-W-220928	Dissolved	Water	7196A	
880-19788-4	RW-6-W-220928	Dissolved	Water	7196A	
880-19788-5	MWD-12-W-220928	Dissolved	Water	7196A	
MB 880-35635/3	Method Blank	Total/NA	Water	7196A	
LCS 880-35635/4	Lab Control Sample	Total/NA	Water	7196A	
LCSD 880-35635/5	Lab Control Sample Dup	Total/NA	Water	7196A	
880-19788-1 MS	MW-17-W-220928	Dissolved	Water	7196A	
880-19788-1 MSD	MW-17-W-220928	Dissolved	Water	7196A	

Analysis Batch: 71824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19788-1	MW-17-W-220928	Total/NA	Water	SM 2540C	
880-19788-3	MWD-3-W-220928	Total/NA	Water	SM 2540C	
880-19788-4	RW-6-W-220928	Total/NA	Water	SM 2540C	
880-19788-5	MWD-12-W-220928	Total/NA	Water	SM 2540C	
MB 860-71824/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 860-71824/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 860-71824/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
880-19788-1 DU	MW-17-W-220928	Total/NA	Water	SM 2540C	

Analysis Batch: 71961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19788-2	MWD-15-W-220928	Total/NA	Water	SM 2540C	
MB 860-71961/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 860-71961/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 860-71961/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19788-1
SDG: South Eunice

Client Sample ID: MW-17-W-220928

Lab Sample ID: 880-19788-1
Matrix: Water
Date Collected: 09/28/22 09:30
Date Received: 09/28/22 16:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	36389	10/08/22 00:44	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36438	10/08/22 09:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35935	10/03/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Aq Prep			33 mL	3 mL	35839	09/30/22 16:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35859	10/01/22 17:35	SM	EET MID
Total/NA	Analysis	300.0		10			71790	10/05/22 02:33	RBNS	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	71541	10/03/22 09:30	MD	EET HOU
Dissolved	Analysis	6020A		1			71800	10/04/22 01:47	SHZ	EET HOU
Dissolved	Analysis	7196A		1	97 mL	100 mL	35635	09/29/22 07:45	KS	EET MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	71824	10/04/22 14:12	BSR	EET HOU

Client Sample ID: MWD-15-W-220928

Lab Sample ID: 880-19788-2
Matrix: Water
Date Collected: 09/28/22 10:25
Date Received: 09/28/22 16:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	36389	10/08/22 01:04	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36438	10/08/22 09:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35935	10/03/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Aq Prep			33 mL	3 mL	35839	09/30/22 16:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35859	10/01/22 17:55	SM	EET MID
Total/NA	Analysis	300.0		10			71790	10/05/22 02:45	RBNS	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	71541	10/03/22 09:30	MD	EET HOU
Dissolved	Analysis	6020A		1			71800	10/04/22 01:50	SHZ	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	71541	10/03/22 09:30	MD	EET HOU
Dissolved	Analysis	6020A		100			72084	10/05/22 19:59	SHZ	EET HOU
Dissolved	Analysis	7196A		1	97 mL	100 mL	35635	09/29/22 07:45	KS	EET MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	71961	10/05/22 11:00	PSC	EET HOU

Client Sample ID: MWD-3-W-220928

Lab Sample ID: 880-19788-3
Matrix: Water
Date Collected: 09/28/22 11:25
Date Received: 09/28/22 16:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	36469	10/09/22 19:25	AJ	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	36730	10/12/22 21:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36438	10/08/22 09:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35935	10/03/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Aq Prep			33 mL	3 mL	35839	09/30/22 16:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35859	10/01/22 18:16	SM	EET MID
Total/NA	Analysis	300.0		100			71790	10/05/22 03:41	RBNS	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	71541	10/03/22 09:30	MD	EET HOU
Dissolved	Analysis	6020A		1			71800	10/04/22 01:53	SHZ	EET HOU

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19788-1
SDG: South Eunice

Client Sample ID: MWD-3-W-220928

Lab Sample ID: 880-19788-3
Matrix: Water
Date Collected: 09/28/22 11:25
Date Received: 09/28/22 16:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3010A			50 mL	50 mL	71541	10/03/22 09:30	MD	EET HOU
Dissolved	Analysis	6020A		100			72084	10/05/22 20:02	SHZ	EET HOU
Dissolved	Analysis	7196A		1	97 mL	100 mL	35635	09/29/22 07:45	KS	EET MID
Total/NA	Analysis	SM 2540C		1	5 mL	200 mL	71824	10/04/22 14:12	BSR	EET HOU

Client Sample ID: RW-6-W-220928

Lab Sample ID: 880-19788-4
Matrix: Water
Date Collected: 09/28/22 13:00
Date Received: 09/28/22 16:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	36469	10/09/22 19:45	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36438	10/08/22 09:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35935	10/03/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Aq Prep			33 mL	3 mL	35839	09/30/22 16:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35859	10/01/22 18:37	SM	EET MID
Total/NA	Analysis	300.0		10			71790	10/05/22 02:56	RBNS	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	71541	10/03/22 09:30	MD	EET HOU
Dissolved	Analysis	6020A		1			71800	10/04/22 01:56	SHZ	EET HOU
Dissolved	Analysis	7196A		1	97 mL	100 mL	35635	09/29/22 07:45	KS	EET MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	71824	10/04/22 14:12	BSR	EET HOU

Client Sample ID: MWD-12-W-220928

Lab Sample ID: 880-19788-5
Matrix: Water
Date Collected: 09/28/22 13:45
Date Received: 09/28/22 16:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	36469	10/09/22 20:06	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36438	10/08/22 09:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35935	10/03/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Aq Prep			33 mL	3 mL	35839	09/30/22 16:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35859	10/01/22 18:58	SM	EET MID
Total/NA	Analysis	300.0		10			71790	10/05/22 03:07	RBNS	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	71541	10/03/22 09:30	MD	EET HOU
Dissolved	Analysis	6020A		1			71800	10/04/22 01:59	SHZ	EET HOU
Dissolved	Analysis	7196A		1	97 mL	100 mL	35635	09/29/22 07:45	KS	EET MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	71824	10/04/22 14:12	BSR	EET HOU

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

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

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19788-1
SDG: South Eunice

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Water	Total TPH
Total BTEX		Water	Total BTEX

Laboratory: Eurofins Houston

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215-22-47	06-30-23

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19788-1
SDG: South Eunice

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET HOU
6020A	Metals (ICP/MS)	SW846	EET HOU
7196A	Chromium, Hexavalent	SW846	EET MID
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET HOU
3010A	Preparation, Total Metals	SW846	EET HOU
5030B	Purge and Trap	SW846	EET MID
8015NM Aq Prep	Microextraction	SW846	EET MID

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

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

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19788-1
SDG: South Eunice

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-19788-1	MW-17-W-220928	Water	09/28/22 09:30	09/28/22 16:51
880-19788-2	MWD-15-W-220928	Water	09/28/22 10:25	09/28/22 16:51
880-19788-3	MWD-3-W-220928	Water	09/28/22 11:25	09/28/22 16:51
880-19788-4	RW-6-W-220928	Water	09/28/22 13:00	09/28/22 16:51
880-19788-5	MWD-12-W-220928	Water	09/28/22 13:45	09/28/22 16:51

Released to Imaging: 4/10/2023 12:09:44 PM
Received by OCD: 3/29/2023 1:18:07 PM

Eurofins Midland
1211 W Florida Ave
Midland TX 79701
Phone (432) 704-5440

Chain of Custody Record

eurofins Environment Testing America

19788

Client Information	Sampler: Daniel McCoy	Lab PM: Builes John	Carrier Tracking No(s):	COC No: 880-3910-441 1
Client Contact: Andrew DeMarco	Phone: 432-999-7980	E-Mail: John Builes@et.eurofinsus com	State of Origin:	Page: Page 1 of 4
Company: ARCADIS U S Inc	PWSID:			Job #:
Address: 1004 North Big Spring Suite 300	Due Date Requested:			
City: Midland	TAT Requested (days): Standard			
State Zip: TX 79701	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: Andrew DeMarco@arcadis com	WO #:			
Project Name: Eunice South	Project #: 88000209			
Site: South Eunice	SSOW#:			

Analysis Requested

Preservation Codes

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E - NaHSO4, F MeOH, G - Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D; 7196A; 6020A; Chloride; Sulfate; Cl, Br, F, SO4	2540C_Calcd - Local Method: Calculation (Hardness)	8015MOD_NM - (MOD) Full TPH	8021B - BTEX	Total Number of containers	Special Instructions/Note.
			Preservation Code:				N	N	A	A		
~~MW-11~~ MW-17-W-220928	9-28-22	0930	G	Water			X	X	X	X	5	
~~MW-15~~ MWD-15-W-220928	9-28-22	1025	G	Water			X	X	X	X	5	
~~MW-16~~ ~~MWD-9-W-220928~~	9-28-22		G	Water							5	
~~MW-17~~ MWD-3-W-220928	9-28-22	1125	G	Water			X	X	X	X	5	
~~MW-24~~ RW-6-W-220928	9-28-22	1300	G	Water			X	X	X	X	5	
~~MW-25~~ MWD-12-W 220928	9-28-22	1345	G	Water			X	X	X	X	5	
~~MW-26~~				Water								
MW-29				Water								
MW-30				Water								
MW-32	DUP 9-28-22			Water								
MW-34				Water								

880-19788 Chain of Custody

Possible Hazard Identification
Non-Hazard, Flammable, Skin Irritant, Poison B, Unknown, Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Return To Client, Disposal By Lab, Archive For ____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:
Relinquished by:	Date/Time: 9-28-22 1635	Company: Arcadis	Received by:
Relinquished by:	Date/Time:	Company:	Received by:
Relinquished by:	Date/Time:	Company:	Received by:

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 5.6 | 5.8

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 880-19788-1
SDG Number: South Eunice

Login Number: 19788
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 880-19788-1
SDG Number: South Eunice

Login Number: 19788
List Number: 2
Creator: Bolch, Taylor

List Source: Eurofins Houston
List Creation: 09/30/22 01:31 PM

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

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ANALYTICAL REPORT

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

Laboratory Job ID: 880-19832-1
Laboratory Sample Delivery Group: South Eunice
Client Project/Site: Eunice South

For:
ARCADIS U.S., Inc.
1004 North Big Spring
Suite 300
Midland, Texas 79701

Attn: Andrew DeMarco

Authorized for release by:
10/14/2022 6:51:49 PM

John Builes, Project Manager
(561)558-4549
John.Builes@et.eurofinsus.com

LINKS
Review your project results through my EOL
Have a Question? Ask The Expert
Visit us at: www.eurofinsus.com/Env

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

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

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Laboratory Job ID: 880-19832-1
SDG: South Eunice

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Released to Imaging: 4/10/2023 12:09:44 PM

Definitions/Glossary

Client: ARCADIS U.S., Inc. Job ID: 880-19832-1
Project/Site: Eunice South SDG: South Eunice

Qualifiers

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)

Definitions/Glossary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19832-1
SDG: South Eunice

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19832-1
SDG: South Eunice

Job ID: 880-19832-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-19832-1

Receipt
The samples were received on 9/29/2022 4:48 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.4°C

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: MW-24-W-220929 (880-19832-2). Evidence of matrix interferences is not obvious.

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

GC Semi VOA
Method 8015MOD_NM: The method blank for preparation batch 880-35839 and analytical batch 880-35859 contained Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-36124 and analytical batch 880-36119 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC
Method 300_ORGFM_28D: The instrument blank for analytical batch 860-71793 contained Chloride above the method detection limit (MDL) . Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

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

Metals
Method 6020A: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-25-W-220929 (880-19832-4). Elevated reporting limits (RLs) are provided.

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

General Chemistry
Method 7196A: The following sample did not generate the appropriate color change indicating the absence of Hexavalent Chromium. The recovered concentration of 0.0082029 mg/L (0.0230 ABS) was likely due to iron interference, therefore the uncorrected response was reported as zero. MW-24-W-220929 (880-19832-2)

Method 7196A: The following sample did not generate the appropriate color change indicating the absence of Hexavalent Chromium. The recovered concentration of 0.0096558 mg/L (0.0260 ABS) was likely due to iron interference, therefore the uncorrected response was reported as zero. MW-11-W-220929 (880-19832-3)

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

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19832-1
SDG: South Eunice

Client Sample ID: MW-26-W-220929

Date Collected: 09/29/22 09:40
Date Received: 09/29/22 16:48

Lab Sample ID: 880-19832-1

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.552**		0.0200	0.00408	mg/L			10/12/22 21:28	10
Toluene	**0.0120**	**J**	0.0200	0.00367	mg/L			10/12/22 21:28	10
Ethylbenzene	**0.0137**	**J**	0.0200	0.00657	mg/L			10/12/22 21:28	10
m-Xylene & p-Xylene	<0.00629	U	0.0400	0.00629	mg/L			10/12/22 21:28	10
o-Xylene	**0.0112**	**J**	0.0200	0.00642	mg/L			10/12/22 21:28	10
Xylenes, Total	**0.0112**	**J**	0.0400	0.00642	mg/L			10/12/22 21:28	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*10/12/22 21:28*	*10*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*		*10/12/22 21:28*	*10*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.589**		0.0400	0.00657	mg/L			10/13/22 11:37	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.898	U	4.55	0.898	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 19:18	1
Diesel Range Organics (Over C10-C28)	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 19:18	1
OII Range Organics (Over C28-C36)	<0.867	U	4.55	0.867	mg/L		09/30/22 16:46	10/01/22 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*09/30/22 16:46*	*10/01/22 19:18*	*1*
o-Terphenyl	*101*		*70 - 130*	*09/30/22 16:46*	*10/01/22 19:18*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**152**		0.500	0.200	mg/L			10/05/22 06:22	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0462**		0.00400	0.000290	mg/L		10/04/22 08:30	10/04/22 23:18	1
Barium	**3.95**		0.00400	0.00134	mg/L		10/04/22 08:30	10/04/22 23:18	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/04/22 08:30	10/04/22 23:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1090**		10.0	10.0	mg/L			10/05/22 19:19	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.0135	U	0.0500	0.0135	mg/L			09/30/22 08:00	5

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19832-1
SDG: South Eunice

Client Sample ID: MW-24-W-220929

Date Collected: 09/29/22 10:50
Date Received: 09/29/22 16:48

Lab Sample ID: 880-19832-2

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	13.4		0.200	0.0408	mg/L			10/13/22 21:50	100
Toluene	<0.00367	U	0.0200	0.00367	mg/L			10/12/22 21:54	10
Ethylbenzene	0.0296		0.0200	0.00657	mg/L			10/12/22 21:54	10
m-Xylene & p-Xylene	0.0465		0.0400	0.00629	mg/L			10/12/22 21:54	10
o-Xylene	<0.00642	U	0.0200	0.00642	mg/L			10/12/22 21:54	10
Xylenes, Total	0.0465		0.0400	0.00642	mg/L			10/12/22 21:54	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*10/12/22 21:54*	*10*
1,4-Difluorobenzene (Surr)	*146*	*S1+*	*70 - 130*		*10/12/22 21:54*	*10*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0761		0.0400	0.00657	mg/L			10/13/22 11:37	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	21.3		4.55	0.898	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	21.3	B	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 19:39	1
Diesel Range Organics (Over C10-C28)	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 19:39	1
OII Range Organics (Over C28-C36)	<0.867	U	4.55	0.867	mg/L		09/30/22 16:46	10/01/22 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*09/30/22 16:46*	*10/01/22 19:39*	*1*
o-Terphenyl	*94*		*70 - 130*	*09/30/22 16:46*	*10/01/22 19:39*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	240		5.00	2.00	mg/L			10/05/22 09:08	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0311		0.00400	0.000290	mg/L		10/04/22 08:30	10/04/22 23:21	1
Barium	2.98		0.00400	0.00134	mg/L		10/04/22 08:30	10/04/22 23:21	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/04/22 08:30	10/04/22 23:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1270		20.0	20.0	mg/L			10/05/22 19:19	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/30/22 08:00	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19832-1
SDG: South Eunice

Client Sample ID: MW-11-W-220929

Date Collected: 09/29/22 11:45
Date Received: 09/29/22 16:48

Lab Sample ID: 880-19832-3

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	5.19		0.200	0.0408	mg/L			10/13/22 22:16	100
Toluene	0.00390	J	0.0200	0.00367	mg/L			10/12/22 22:20	10
Ethylbenzene	<0.00657	U	0.0200	0.00657	mg/L			10/12/22 22:20	10
m-Xylene & p-Xylene	0.0152	J	0.0400	0.00629	mg/L			10/12/22 22:20	10
o-Xylene	<0.00642	U	0.0200	0.00642	mg/L			10/12/22 22:20	10
Xylenes, Total	0.0152	J	0.0400	0.00642	mg/L			10/12/22 22:20	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*		*10/12/22 22:20*	*10*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*		*10/12/22 22:20*	*10*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0191	J	0.0400	0.00657	mg/L			10/13/22 11:37	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	15.8		4.55	0.898	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.8	B	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 20:00	1
Diesel Range Organics (Over C10-C28)	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 20:00	1
OII Range Organics (Over C28-C36)	<0.867	U	4.55	0.867	mg/L		09/30/22 16:46	10/01/22 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*09/30/22 16:46*	*10/01/22 20:00*	*1*
o-Terphenyl	*96*		*70 - 130*	*09/30/22 16:46*	*10/01/22 20:00*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		0.500	0.200	mg/L			10/05/22 06:36	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0314		0.00400	0.000290	mg/L		10/04/22 08:30	10/04/22 23:23	1
Barium	1.47		0.00400	0.00134	mg/L		10/04/22 08:30	10/04/22 23:23	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/04/22 08:30	10/04/22 23:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1060		10.0	10.0	mg/L			10/05/22 19:19	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/30/22 08:00	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19832-1
SDG: South Eunice

Client Sample ID: MW-25-W-220929

Date Collected: 09/29/22 12:15
Date Received: 09/29/22 16:48

Lab Sample ID: 880-19832-4

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.545**		0.0200	0.00408	mg/L			10/12/22 22:46	10
Toluene	<0.00367	U	0.0200	0.00367	mg/L			10/12/22 22:46	10
Ethylbenzene	**0.0193**	**J**	0.0200	0.00657	mg/L			10/12/22 22:46	10
m-Xylene & p-Xylene	<0.00629	U	0.0400	0.00629	mg/L			10/12/22 22:46	10
o-Xylene	<0.00642	U	0.0200	0.00642	mg/L			10/12/22 22:46	10
Xylenes, Total	<0.00642	U	0.0400	0.00642	mg/L			10/12/22 22:46	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*		*10/12/22 22:46*	*10*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*		*10/12/22 22:46*	*10*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.564**		0.0400	0.00657	mg/L			10/13/22 11:37	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.901	U	4.56	0.901	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.901	U	4.56	0.901	mg/L		09/30/22 16:46	10/01/22 20:21	1
Diesel Range Organics (Over C10-C28)	<0.901	U	4.56	0.901	mg/L		09/30/22 16:46	10/01/22 20:21	1
OII Range Organics (Over C28-C36)	<0.869	U	4.56	0.869	mg/L		09/30/22 16:46	10/01/22 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*09/30/22 16:46*	*10/01/22 20:21*	*1*
o-Terphenyl	*91*		*70 - 130*	*09/30/22 16:46*	*10/01/22 20:21*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2350**		5.00	2.00	mg/L			10/05/22 09:22	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00990**		0.00400	0.000290	mg/L		10/04/22 08:30	10/04/22 23:26	1
Barium	**1.30**		0.0400	0.0134	mg/L		10/04/22 08:30	10/05/22 21:00	10
Chromium	**0.00134**	**J**	0.00400	0.000560	mg/L		10/04/22 08:30	10/04/22 23:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**5180**		40.0	40.0	mg/L			10/05/22 19:19	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/30/22 08:00	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19832-1
SDG: South Eunice

Client Sample ID: MWD-14-W-220929

Date Collected: 09/29/22 13:15
Date Received: 09/29/22 16:48

Lab Sample ID: 880-19832-5

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.963**		0.0200	0.00408	mg/L			10/12/22 23:12	10
Toluene	<0.00367	U	0.0200	0.00367	mg/L			10/12/22 23:12	10
Ethylbenzene	**0.0712**		0.0200	0.00657	mg/L			10/12/22 23:12	10
m-Xylene & p-Xylene	<0.00629	U	0.0400	0.00629	mg/L			10/12/22 23:12	10
o-Xylene	<0.00642	U	0.0200	0.00642	mg/L			10/12/22 23:12	10
Xylenes, Total	<0.00642	U	0.0400	0.00642	mg/L			10/12/22 23:12	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*		*10/12/22 23:12*	*10*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*		*10/12/22 23:12*	*10*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**1.03**		0.0400	0.00657	mg/L			10/13/22 11:37	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.904	U	4.57	0.904	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.904	U	4.57	0.904	mg/L		10/05/22 08:41	10/05/22 11:41	1
Diesel Range Organics (Over C10-C28)	<0.904	U F1	4.57	0.904	mg/L		10/05/22 08:41	10/05/22 11:41	1
OII Range Organics (Over C28-C36)	<0.872	U	4.57	0.872	mg/L		10/05/22 08:41	10/05/22 11:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*10/05/22 08:41*	*10/05/22 11:41*	*1*
o-Terphenyl	*96*		*70 - 130*	*10/05/22 08:41*	*10/05/22 11:41*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**514**		5.00	2.00	mg/L			10/05/22 09:36	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.000576**	**J**	0.00400	0.000290	mg/L		10/04/22 08:30	10/04/22 23:29	1
Barium	**0.928**		0.00400	0.00134	mg/L		10/04/22 08:30	10/04/22 23:29	1
Chromium	**0.000671**	**J**	0.00400	0.000560	mg/L		10/04/22 08:30	10/04/22 23:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**3320**		40.0	40.0	mg/L			10/05/22 19:19	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/30/22 08:00	1

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19832-1
SDG: South Eunice

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-19832-1	MW-26-W-220929	106	88
880-19832-2	MW-24-W-220929	108	146 S1+
880-19832-3	MW-11-W-220929	111	113
880-19832-4	MW-25-W-220929	118	87
880-19832-5	MWD-14-W-220929	116	87
LCS 880-36730/3	Lab Control Sample	107	98
LCS 880-36830/3	Lab Control Sample	121	96
LCSD 880-36730/4	Lab Control Sample Dup	107	87
LCSD 880-36830/4	Lab Control Sample Dup	114	87
MB 880-36730/8	Method Blank	70	89
MB 880-36830/8	Method Blank	73	90

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-19832-1	MW-26-W-220929	93	101
880-19832-2	MW-24-W-220929	89	94
880-19832-3	MW-11-W-220929	88	96
880-19832-4	MW-25-W-220929	85	91
880-19832-5	MWD-14-W-220929	84	96
880-19832-5 MS	MWD-14-W-220929	73	73
880-19832-5 MSD	MWD-14-W-220929	71	71
LCS 880-35839/2-A	Lab Control Sample	114	120
LCS 880-36124/2-A	Lab Control Sample	98	108
LCSD 880-35839/3-A	Lab Control Sample Dup	107	112
LCSD 880-36124/3-A	Lab Control Sample Dup	93	101
MB 880-35839/1-A	Method Blank	101	115
MB 880-36124/1-A	Method Blank	91	101

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19832-1
SDG: South Eunice

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-36730/8
Matrix: Water
Analysis Batch: 36730

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			10/12/22 20:09	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/12/22 20:09	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/12/22 20:09	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/12/22 20:09	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			10/12/22 20:09	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/12/22 20:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*70*		*70 - 130*		*10/12/22 20:09*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*		*10/12/22 20:09*	*1*

Lab Sample ID: LCS 880-36730/3
Matrix: Water
Analysis Batch: 36730

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1050		mg/L		105	70 - 130		
Toluene			0.100	0.1086		mg/L		109	70 - 130		
Ethylbenzene			0.100	0.1061		mg/L		106	70 - 130		
m-Xylene & p-Xylene			0.200	0.2191		mg/L		110	70 - 130		
o-Xylene			0.100	0.09878		mg/L		99	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 880-36730/4
Matrix: Water
Analysis Batch: 36730

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1038		mg/L		104	70 - 130	1	20
Toluene			0.100	0.1086		mg/L		109	70 - 130	0	20
Ethylbenzene			0.100	0.1103		mg/L		110	70 - 130	4	20
m-Xylene & p-Xylene			0.200	0.2297		mg/L		115	70 - 130	5	20
o-Xylene			0.100	0.1055		mg/L		105	70 - 130	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*

Lab Sample ID: MB 880-36830/8
Matrix: Water
Analysis Batch: 36830

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			10/13/22 19:13	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/13/22 19:13	1

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19832-1
SDG: South Eunice

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

Lab Sample ID: MB 880-36830/8
Matrix: Water
Analysis Batch: 36830

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/13/22 19:13	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/13/22 19:13	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			10/13/22 19:13	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/13/22 19:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*70 - 130*		*10/13/22 19:13*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*		*10/13/22 19:13*	*1*

Lab Sample ID: LCS 880-36830/3
Matrix: Water
Analysis Batch: 36830

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1178		mg/L		118	70 - 130
Toluene	0.100	0.1226		mg/L		123	70 - 130
Ethylbenzene	0.100	0.1168		mg/L		117	70 - 130
m-Xylene & p-Xylene	0.200	0.2460		mg/L		123	70 - 130
o-Xylene	0.100	0.1119		mg/L		112	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-36830/4
Matrix: Water
Analysis Batch: 36830

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1129		mg/L		113	70 - 130	4	20
Toluene	0.100	0.1202		mg/L		120	70 - 130	2	20
Ethylbenzene	0.100	0.1183		mg/L		118	70 - 130	1	20
m-Xylene & p-Xylene	0.200	0.2457		mg/L		123	70 - 130	0	20
o-Xylene	0.100	0.1092		mg/L		109	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-35839/1-A
Matrix: Water
Analysis Batch: 35859

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35839

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1.862	J	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 11:45	1

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19832-1
SDG: South Eunice

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-35839/1-A
Matrix: Water
Analysis Batch: 35859

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35839

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	1.166	J	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 11:45	1
OII Range Organics (Over C28-C36)	<0.867	U	4.55	0.867	mg/L		09/30/22 16:46	10/01/22 11:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*09/30/22 16:46*	*10/01/22 11:45*	*1*
o-Terphenyl	*115*		*70 - 130*	*09/30/22 16:46*	*10/01/22 11:45*	*1*

Lab Sample ID: LCS 880-35839/2-A
Matrix: Water
Analysis Batch: 35859

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35839

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	90.4	93.86		mg/L		104	75 - 125
Diesel Range Organics (Over C10-C28)	90.4	87.99		mg/L		97	75 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*114*		*70 - 130*
o-Terphenyl	*120*		*70 - 130*

Lab Sample ID: LCSD 880-35839/3-A
Matrix: Water
Analysis Batch: 35859

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35839

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	90.6	93.15		mg/L		103	75 - 125	1	20
Diesel Range Organics (Over C10-C28)	90.6	86.58		mg/L		96	75 - 125	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*107*		*70 - 130*
o-Terphenyl	*112*		*70 - 130*

Lab Sample ID: MB 880-36124/1-A
Matrix: Water
Analysis Batch: 36119

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 36124

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.898	U	4.55	0.898	mg/L		10/05/22 08:41	10/05/22 10:39	1
Diesel Range Organics (Over C10-C28)	<0.898	U	4.55	0.898	mg/L		10/05/22 08:41	10/05/22 10:39	1
OII Range Organics (Over C28-C36)	<0.867	U	4.55	0.867	mg/L		10/05/22 08:41	10/05/22 10:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*10/05/22 08:41*	*10/05/22 10:39*	*1*

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19832-1
SDG: South Eunice

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-36124/1-A
Matrix: Water
Analysis Batch: 36119

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 36124

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	101		70 - 130	10/05/22 08:41	10/05/22 10:39	1

Lab Sample ID: LCS 880-36124/2-A
Matrix: Water
Analysis Batch: 36119

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 36124

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			90.4	88.03		mg/L		97	75 - 125		
Diesel Range Organics (Over C10-C28)			90.4	76.43		mg/L		85	75 - 125		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: LCSD 880-36124/3-A
Matrix: Water
Analysis Batch: 36119

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 36124

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			90.6	90.30		mg/L		100	75 - 125	3	20
Diesel Range Organics (Over C10-C28)			90.6	77.25		mg/L		85	75 - 125	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	101		70 - 130

Lab Sample ID: 880-19832-5 MS
Matrix: Water
Analysis Batch: 36119

Client Sample ID: MWD-14-W-220929
Prep Type: Total/NA
Prep Batch: 36124

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<0.904	U	91.2	101.1		mg/L		111	75 - 125		
Diesel Range Organics (Over C10-C28)	<0.904	U F1	91.2	61.77	F1	mg/L		68	75 - 125		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	73		70 - 130
o-Terphenyl	73		70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19832-1
SDG: South Eunice

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-19832-5 MSD — **Client Sample ID: MWD-14-W-220929**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 36119 — **Prep Batch: 36124**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<0.904	U	91.5	98.05		mg/L		107	75 - 125	3	20
Diesel Range Organics (Over C10-C28)	<0.904	U F1	91.5	59.50	F1	mg/L		65	75 - 125	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*71*		*70 - 130*
o-Terphenyl	*71*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-71793/13 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 71793

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.200	U	0.500	0.200	mg/L			10/04/22 19:03	1

Lab Sample ID: MB 860-71793/48 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 71793

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.200	U	0.500	0.200	mg/L			10/05/22 03:08	1

Lab Sample ID: LCS 860-71793/49 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 71793

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.12		mg/L		101	90 - 110

Lab Sample ID: LCSD 860-71793/50 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 71793

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	10.15		mg/L		101	90 - 110	0	20

Lab Sample ID: LLCS 860-71793/17 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 71793

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.5017		mg/L		100	50 - 150

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19832-1
SDG: South Eunice

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 860-71727/1-A
Matrix: Water
Analysis Batch: 72004

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 71727

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.000290	U	0.00400	0.000290	mg/L		10/04/22 08:30	10/04/22 22:00	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		10/04/22 08:30	10/04/22 22:00	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/04/22 08:30	10/04/22 22:00	1

Lab Sample ID: LCS 860-71727/2-A
Matrix: Water
Analysis Batch: 72004

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 71727

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.1001		mg/L		100	80 - 120
Barium	0.100	0.09861		mg/L		99	80 - 120
Chromium	0.100	0.09793		mg/L		98	80 - 120

Lab Sample ID: LCSD 860-71727/3-A
Matrix: Water
Analysis Batch: 72004

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 71727

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.100	0.09936		mg/L		99	80 - 120	1	20
Barium	0.100	0.1002		mg/L		100	80 - 120	2	20
Chromium	0.100	0.09695		mg/L		97	80 - 120	1	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 880-35728/3
Matrix: Water
Analysis Batch: 35728

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00270	U	0.0100	0.00270	mg/L			09/30/22 08:00	1

Lab Sample ID: LCS 880-35728/4
Matrix: Water
Analysis Batch: 35728

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	0.0400	0.03871		mg/L		97	85 - 115

Lab Sample ID: LCSD 880-35728/5
Matrix: Water
Analysis Batch: 35728

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cr (VI)	0.0400	0.03871		mg/L		97	85 - 115	0	20

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19832-1
SDG: South Eunice

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: 880-19832-1 MS
Matrix: Water
Analysis Batch: 35728

Client Sample ID: MW-26-W-220929
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	<0.0135	U	1.00	0.8910		mg/L		89	85 - 115

Lab Sample ID: 880-19832-1 MSD
Matrix: Water
Analysis Batch: 35728

Client Sample ID: MW-26-W-220929
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cr (VI)	<0.0135	U	1.00	0.8910		mg/L		89	85 - 115	0	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 860-72081/1
Matrix: Water
Analysis Batch: 72081

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<1.00	U	1.00	1.00	mg/L			10/05/22 19:19	1

Lab Sample ID: LCS 860-72081/2
Matrix: Water
Analysis Batch: 72081

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	1002		mg/L		100	80 - 120

Lab Sample ID: LCSD 860-72081/3
Matrix: Water
Analysis Batch: 72081

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	1000	1029		mg/L		103	80 - 120	3	10

Lab Sample ID: 880-19832-2 DU
Matrix: Water
Analysis Batch: 72081

Client Sample ID: MW-24-W-220929
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1270		1392		mg/L		9	10

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19832-1
SDG: South Eunice

GC VOA

Analysis Batch: 36730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19832-1	MW-26-W-220929	Total/NA	Water	8021B	
880-19832-2	MW-24-W-220929	Total/NA	Water	8021B	
880-19832-3	MW-11-W-220929	Total/NA	Water	8021B	
880-19832-4	MW-25-W-220929	Total/NA	Water	8021B	
880-19832-5	MWD-14-W-220929	Total/NA	Water	8021B	
MB 880-36730/8	Method Blank	Total/NA	Water	8021B	
LCS 880-36730/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-36730/4	Lab Control Sample Dup	Total/NA	Water	8021B	

Analysis Batch: 36830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19832-2	MW-24-W-220929	Total/NA	Water	8021B	
880-19832-3	MW-11-W-220929	Total/NA	Water	8021B	
MB 880-36830/8	Method Blank	Total/NA	Water	8021B	
LCS 880-36830/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-36830/4	Lab Control Sample Dup	Total/NA	Water	8021B	

Analysis Batch: 36867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19832-1	MW-26-W-220929	Total/NA	Water	Total BTEX	
880-19832-2	MW-24-W-220929	Total/NA	Water	Total BTEX	
880-19832-3	MW-11-W-220929	Total/NA	Water	Total BTEX	
880-19832-4	MW-25-W-220929	Total/NA	Water	Total BTEX	
880-19832-5	MWD-14-W-220929	Total/NA	Water	Total BTEX	

GC Semi VOA

Prep Batch: 35839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19832-1	MW-26-W-220929	Total/NA	Water	8015NM Aq Prep	
880-19832-2	MW-24-W-220929	Total/NA	Water	8015NM Aq Prep	
880-19832-3	MW-11-W-220929	Total/NA	Water	8015NM Aq Prep	
880-19832-4	MW-25-W-220929	Total/NA	Water	8015NM Aq Prep	
MB 880-35839/1-A	Method Blank	Total/NA	Water	8015NM Aq Prep	
LCS 880-35839/2-A	Lab Control Sample	Total/NA	Water	8015NM Aq Prep	
LCSD 880-35839/3-A	Lab Control Sample Dup	Total/NA	Water	8015NM Aq Prep	

Analysis Batch: 35859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19832-1	MW-26-W-220929	Total/NA	Water	8015B NM	35839
880-19832-2	MW-24-W-220929	Total/NA	Water	8015B NM	35839
880-19832-3	MW-11-W-220929	Total/NA	Water	8015B NM	35839
880-19832-4	MW-25-W-220929	Total/NA	Water	8015B NM	35839
MB 880-35839/1-A	Method Blank	Total/NA	Water	8015B NM	35839
LCS 880-35839/2-A	Lab Control Sample	Total/NA	Water	8015B NM	35839
LCSD 880-35839/3-A	Lab Control Sample Dup	Total/NA	Water	8015B NM	35839

Analysis Batch: 35936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19832-1	MW-26-W-220929	Total/NA	Water	8015 NM	
880-19832-2	MW-24-W-220929	Total/NA	Water	8015 NM	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19832-1
SDG: South Eunice

GC Semi VOA (Continued)

Analysis Batch: 35936 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19832-3	MW-11-W-220929	Total/NA	Water	8015 NM	
880-19832-4	MW-25-W-220929	Total/NA	Water	8015 NM	
880-19832-5	MWD-14-W-220929	Total/NA	Water	8015 NM	

Analysis Batch: 36119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19832-5	MWD-14-W-220929	Total/NA	Water	8015B NM	36124
MB 880-36124/1-A	Method Blank	Total/NA	Water	8015B NM	36124
LCS 880-36124/2-A	Lab Control Sample	Total/NA	Water	8015B NM	36124
LCSD 880-36124/3-A	Lab Control Sample Dup	Total/NA	Water	8015B NM	36124
880-19832-5 MS	MWD-14-W-220929	Total/NA	Water	8015B NM	36124
880-19832-5 MSD	MWD-14-W-220929	Total/NA	Water	8015B NM	36124

Prep Batch: 36124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19832-5	MWD-14-W-220929	Total/NA	Water	8015NM Aq Prep	
MB 880-36124/1-A	Method Blank	Total/NA	Water	8015NM Aq Prep	
LCS 880-36124/2-A	Lab Control Sample	Total/NA	Water	8015NM Aq Prep	
LCSD 880-36124/3-A	Lab Control Sample Dup	Total/NA	Water	8015NM Aq Prep	
880-19832-5 MS	MWD-14-W-220929	Total/NA	Water	8015NM Aq Prep	
880-19832-5 MSD	MWD-14-W-220929	Total/NA	Water	8015NM Aq Prep	

HPLC/IC

Analysis Batch: 71793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19832-1	MW-26-W-220929	Total/NA	Water	300.0	
880-19832-2	MW-24-W-220929	Total/NA	Water	300.0	
880-19832-3	MW-11-W-220929	Total/NA	Water	300.0	
880-19832-4	MW-25-W-220929	Total/NA	Water	300.0	
880-19832-5	MWD-14-W-220929	Total/NA	Water	300.0	
MB 860-71793/13	Method Blank	Total/NA	Water	300.0	
MB 860-71793/48	Method Blank	Total/NA	Water	300.0	
LCS 860-71793/49	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-71793/50	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-71793/17	Lab Control Sample	Total/NA	Water	300.0	

Metals

Prep Batch: 71727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19832-1	MW-26-W-220929	Dissolved	Water	3010A	
880-19832-2	MW-24-W-220929	Dissolved	Water	3010A	
880-19832-3	MW-11-W-220929	Dissolved	Water	3010A	
880-19832-4	MW-25-W-220929	Dissolved	Water	3010A	
880-19832-5	MWD-14-W-220929	Dissolved	Water	3010A	
MB 860-71727/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-71727/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-71727/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19832-1
SDG: South Eunice

Metals

Analysis Batch: 72004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19832-1	MW-26-W-220929	Dissolved	Water	6020A	71727
880-19832-2	MW-24-W-220929	Dissolved	Water	6020A	71727
880-19832-3	MW-11-W-220929	Dissolved	Water	6020A	71727
880-19832-4	MW-25-W-220929	Dissolved	Water	6020A	71727
880-19832-5	MWD-14-W-220929	Dissolved	Water	6020A	71727
MB 860-71727/1-A	Method Blank	Total/NA	Water	6020A	71727
LCS 860-71727/2-A	Lab Control Sample	Total/NA	Water	6020A	71727
LCSD 860-71727/3-A	Lab Control Sample Dup	Total/NA	Water	6020A	71727

Analysis Batch: 72088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19832-4	MW-25-W-220929	Dissolved	Water	6020A	71727

General Chemistry

Analysis Batch: 35728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19832-1	MW-26-W-220929	Dissolved	Water	7196A	
880-19832-2	MW-24-W-220929	Dissolved	Water	7196A	
880-19832-3	MW-11-W-220929	Dissolved	Water	7196A	
880-19832-4	MW-25-W-220929	Dissolved	Water	7196A	
880-19832-5	MWD-14-W-220929	Dissolved	Water	7196A	
MB 880-35728/3	Method Blank	Total/NA	Water	7196A	
LCS 880-35728/4	Lab Control Sample	Total/NA	Water	7196A	
LCSD 880-35728/5	Lab Control Sample Dup	Total/NA	Water	7196A	
880-19832-1 MS	MW-26-W-220929	Dissolved	Water	7196A	
880-19832-1 MSD	MW-26-W-220929	Dissolved	Water	7196A	

Analysis Batch: 72081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19832-1	MW-26-W-220929	Total/NA	Water	SM 2540C	
880-19832-2	MW-24-W-220929	Total/NA	Water	SM 2540C	
880-19832-3	MW-11-W-220929	Total/NA	Water	SM 2540C	
880-19832-4	MW-25-W-220929	Total/NA	Water	SM 2540C	
880-19832-5	MWD-14-W-220929	Total/NA	Water	SM 2540C	
MB 860-72081/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 860-72081/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 860-72081/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
880-19832-2 DU	MW-24-W-220929	Total/NA	Water	SM 2540C	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19832-1
SDG: South Eunice

Client Sample ID: MW-26-W-220929

Lab Sample ID: 880-19832-1
Matrix: Water
Date Collected: 09/29/22 09:40
Date Received: 09/29/22 16:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		10	5 mL	5 mL	36730	10/12/22 21:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36867	10/13/22 11:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35936	10/03/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Aq Prep			33 mL	3 mL	35839	09/30/22 16:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35859	10/01/22 19:18	SM	EET MID
Total/NA	Analysis	300.0		1			71793	10/05/22 06:22	RBNS	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	71727	10/04/22 08:30	MD	EET HOU
Dissolved	Analysis	6020A		1			72004	10/04/22 23:18	SHZ	EET HOU
Dissolved	Analysis	7196A		5	97 mL	100 mL	35728	09/30/22 08:00	KS	EET MID
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	72081	10/05/22 19:19	BSR	EET HOU

Client Sample ID: MW-24-W-220929

Lab Sample ID: 880-19832-2
Matrix: Water
Date Collected: 09/29/22 10:50
Date Received: 09/29/22 16:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		10	5 mL	5 mL	36730	10/12/22 21:54	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	36830	10/13/22 21:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36867	10/13/22 11:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35936	10/03/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Aq Prep			33 mL	3 mL	35839	09/30/22 16:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35859	10/01/22 19:39	SM	EET MID
Total/NA	Analysis	300.0		10			71793	10/05/22 09:08	RBNS	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	71727	10/04/22 08:30	MD	EET HOU
Dissolved	Analysis	6020A		1			72004	10/04/22 23:21	SHZ	EET HOU
Dissolved	Analysis	7196A		1	97 mL	100 mL	35728	09/30/22 08:00	KS	EET MID
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	72081	10/05/22 19:19	BSR	EET HOU

Client Sample ID: MW-11-W-220929

Lab Sample ID: 880-19832-3
Matrix: Water
Date Collected: 09/29/22 11:45
Date Received: 09/29/22 16:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		10	5 mL	5 mL	36730	10/12/22 22:20	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	36830	10/13/22 22:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36867	10/13/22 11:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35936	10/03/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Aq Prep			33 mL	3 mL	35839	09/30/22 16:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35859	10/01/22 20:00	SM	EET MID
Total/NA	Analysis	300.0		1			71793	10/05/22 06:36	RBNS	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	71727	10/04/22 08:30	MD	EET HOU
Dissolved	Analysis	6020A		1			72004	10/04/22 23:23	SHZ	EET HOU
Dissolved	Analysis	7196A		1	97 mL	100 mL	35728	09/30/22 08:00	KS	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19832-1
SDG: South Eunice

Client Sample ID: MW-11-W-220929

Lab Sample ID: 880-19832-3
Matrix: Water
Date Collected: 09/29/22 11:45
Date Received: 09/29/22 16:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	72081	10/05/22 19:19	BSR	EET HOU

Client Sample ID: MW-25-W-220929

Lab Sample ID: 880-19832-4
Matrix: Water
Date Collected: 09/29/22 12:15
Date Received: 09/29/22 16:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		10	5 mL	5 mL	36730	10/12/22 22:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36867	10/13/22 11:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35936	10/03/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Aq Prep			32.9 mL	3 mL	35839	09/30/22 16:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35859	10/01/22 20:21	SM	EET MID
Total/NA	Analysis	300.0		10			71793	10/05/22 09:22	RBNS	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	71727	10/04/22 08:30	MD	EET HOU
Dissolved	Analysis	6020A		1			72004	10/04/22 23:26	SHZ	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	71727	10/04/22 08:30	MD	EET HOU
Dissolved	Analysis	6020A		10			72088	10/05/22 21:00	SHZ	EET HOU
Dissolved	Analysis	7196A		1	97 mL	100 mL	35728	09/30/22 08:00	KS	EET MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	72081	10/05/22 19:19	BSR	EET HOU

Client Sample ID: MWD-14-W-220929

Lab Sample ID: 880-19832-5
Matrix: Water
Date Collected: 09/29/22 13:15
Date Received: 09/29/22 16:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		10	5 mL	5 mL	36730	10/12/22 23:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36867	10/13/22 11:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35936	10/03/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Aq Prep			32.8 mL	3 mL	36124	10/05/22 08:41	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36119	10/05/22 11:41	SM	EET MID
Total/NA	Analysis	300.0		10			71793	10/05/22 09:36	RBNS	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	71727	10/04/22 08:30	MD	EET HOU
Dissolved	Analysis	6020A		1			72004	10/04/22 23:29	SHZ	EET HOU
Dissolved	Analysis	7196A		1	97 mL	100 mL	35728	09/30/22 08:00	KS	EET MID
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	72081	10/05/22 19:19	BSR	EET HOU

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

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

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19832-1
SDG: South Eunice

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Water	Total TPH
Total BTEX		Water	Total BTEX

Laboratory: Eurofins Houston

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215-22-47	06-30-23

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19832-1
SDG: South Eunice

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET HOU
6020A	Metals (ICP/MS)	SW846	EET HOU
7196A	Chromium, Hexavalent	SW846	EET MID
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET HOU
3010A	Preparation, Total Metals	SW846	EET HOU
5030B	Purge and Trap	SW846	EET MID
8015NM Aq Prep	Microextraction	SW846	EET MID

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

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

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19832-1
SDG: South Eunice

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-19832-1	MW-26-W-220929	Water	09/29/22 09:40	09/29/22 16:48
880-19832-2	MW-24-W-220929	Water	09/29/22 10:50	09/29/22 16:48
880-19832-3	MW-11-W-220929	Water	09/29/22 11:45	09/29/22 16:48
880-19832-4	MW-25-W-220929	Water	09/29/22 12:15	09/29/22 16:48
880-19832-5	MWD-14-W-220929	Water	09/29/22 13:15	09/29/22 16:48

Released to Imaging: 4/10/2023 12:09:44 PM
Received by OCD: 3/29/2023 1:18:07 PM

Eurofins Midland
1211 W Florida Ave
Midland TX 79701
Phone (432) 704-5440

Chain of Custody Record

eurofins Environment Testing America

19832

Client Information	Sampler: Daniel McKee	Lab PM: Builes John	Carrier Tracking No(s):	COC No: 880-3910-441 2
Client Contact: Andrew DeMarco	Phone: 432-999-2980	E-Mail: John.Builes@et.eurofinsus.com	State of Origin:	Page: Page ~~2 of 2~~ 1 of 1
Company: ARCADIS U S Inc	PWSID:			Job #:
Address: 1004 North Big Spring Suite 300	Due Date Requested:			
City: Midland	TAT Requested (days): Standard			
State, Zip: TX 79701	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: Andrew.DeMarco@arcadis.com	WO #:			
Project Name: Eunice South	Project #: 88000209			
Site: South Eunice	SSOW#:			

Analysis Requested

Preservation Codes

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Y	Trizma
		Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D, 6020A, 7196A Z 5940 Calcd	2540C_Calcd - Local Method 6020A	8015MOD_NM - (MOD) Full TPH	8021B - BTEX	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A	A		
~~MW-35~~ MW-26-W-220929	9-29-22	0940	G	Water			X	X	X	X	5	
~~MW-38~~ MW-24-W-220929	9-29-22	1030	G	Water			X	X	X	X	5	
~~MWD-8~~ MW-41-W-220929	9-29-22	1145	G	Water			X	X	X	X	5	
~~MWD-9~~ MW-25-W-220929	9-29-22	1215	G	Water			X	X	X	X	5	
~~MWD-12~~ MWD-14-W-220929	9-29-22	1315	G	Water			X	X	X	X	5	
~~MWD-13~~				Water								
MWD-14				Water								
MWD-15				Water								
RW-6				Water								
BD/FD		PM		Water								
				Water								

880-19832 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I II III IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
		9-29-22 / 1615	Arcadis		9/29/22 1648	
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 5.2 | 5.4

Ver 01/16/2019

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 880-19832-1
SDG Number: South Eunice

Login Number: 19832
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 880-19832-1
SDG Number: South Eunice

Login Number: 19832
List Number: 2
Creator: Bolch, Taylor

List Source: Eurofins Houston
List Creation: 10/01/22 12:43 PM

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

ARCADIS

Chevron South Eunice

DATA REVIEW

South Eunice, Eunice, New Mexico

Volatiles, TPH, Metals and Miscellaneous Analyses

SDGs # 880-11679-1, 880-11718-1 and 880-11745-1

Analyses Performed By:
Eurofins, Laboratories
Midland, El Paso, and Houston TX

Report #45291R
Review Level: Tier II
Project: 30049612.00003.GEC

DATA REVIEW REPORT

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Groups (SDGs) # 880-11679-1, 880-11718-1, 880-11745-1 for samples collected in association with the Chevron South Eunice Site. The review was conducted as a Tier II evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets and chain of custody. Analyses were performed on the following samples:

SDGs	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis			
						VOC	TPH	MET	MISC
880-11679-1	MW-15-W-220223	880-11679-1	Water	02/23/22		X	X	X	X
	MW-16-W-220223	880-11679-2	Water	02/23/22		X	X	X	X
	MW-36-W-220223	880-11679-3	Water	02/23/22		X	X	X	X
	MW-35-W-220223	880-11679-4	Water	02/23/22		X	X	X	X
	MW-13-W-220223	880-11679-5	Water	02/23/22		X	X	X	X
	MW-31-W-220223	880-11679-6	Water	02/23/22		X	X	X	X
	MW-37-W-220223	880-11679-7	Water	02/23/22		X	X	X	X
	MW-38-W-220223	880-11679-8	Water	02/23/22		X	X	X	X
	DUP0I-W-220223	880-11679-9	Water	02/23/22	MW-15-W-220223	X	X	X	X
	MW-3-W-220223	880-11679-10	Water	02/23/22		X	X	X	X
	MW-1-W-220223	880-11679-11	Water	02/23/22		X	X	X	X
	DUP02-W-220223	880-11679-12	Water	02/23/22	MW-1-W-220223	X	X	X	X
	MWD-11-W-220223	880-11679-13	Water	02/23/22		X	X	X	X
	MWD-8-W-220223	880-11679-14	Water	02/23/22		X	X	X	X
	MWD-2-W-220223	880-11679-15	Water	02/23/22		X	X	X	X
	MW-4-W-220223	880-11679-16	Water	02/23/22		X	X	X	X
	RW-8-W-220223	880-11679-17	Water	02/23/22		X	X	X	X
880-11718-1	MW-14-W-220224	880-11718-1	Water	02/24/22		X	X	X	X
	MW-30-W-220224	880-11718-2	Water	02/24/22		X	X	X	X
	MW-9-W-220224	880-11718-3	Water	02/24/22		X	X	X	X
	WW-7-W-220224	880-11718-4	Water	02/24/22		X	X	X	X
	WW-2-W-220224	880-11718-5	Water	02/24/22		X	X	X	X
	MW-29-W-220224	880-11718-6	Water	02/24/22		X	X	X	X

DATA REVIEW REPORT

SDGs	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis			
						VOC	TPH	MET	MISC
	MW-8-W-220224	880-11718-7	Water	02/24/22		X	X	X	X
	MW-34-W-220224	880-11718-8	Water	02/24/22		X	X	X	X
	MWD-6-W-220224	880-11718-9	Water	02/24/22		X	X	X	X
	Dup03-W-220224	880-11718-10	Water	02/24/22	MW-34-W-220224	X	X	X	X
	MWD-15-W-220224	880-11718-11	Water	02/24/22		X	X	X	X
	MWD-1-W-220224	880-11718-12	Water	02/24/22		X	X	X	X
	MW-17-W-220224	880-11718-13	Water	02/24/22		X	X	X	X
	MWD-7-W-220224	880-11718-14	Water	02/24/22		X	X	X	X
	MWD-3-W-220224	880-11718-15	Water	02/24/22		X	X	X	X
	MWD-17-W-220224	880-11718-16	Water	02/24/22		X	X	X	X
	MW-22-W-220224	880-11718-17	Water	02/24/22		X	X	X	X
	RW-7-W-220224	880-11718-18	Water	02/24/22		X	X	X	X
	RW-6-W-220224	880-11718-19	Water	02/24/22		X	X	X	X
	MWD-12-W-220224	880-11718-20	Water	02/24/22		X	X	X	X
	MWD-5-W-220224	880-11718-21	Water	02/24/22		X	X	X	X
880-11745-1	MWD-4-W-220225	880-11745-1	Water	02/25/22		X	X	X	X
	MWD-13-W-220225	880-11745-2	Water	02/25/22		X	X	X	X
	MWD-14-W-220225	880-11745-3	Water	02/25/22		X	X	X	X
	MW-25-W-220225	880-11745-4	Water	02/25/22		X	X	X	X
	DUP04-W-220225	880-11745-5	Water	02/25/22	MW-25-W-220225	X	X	X	X
	MW-32-W-220225	880-11745-6	Water	02/25/22		X	X	X	X
	MW-26-W-220225	880-11745-7	Water	02/25/22		X	X	X	X
	MW-11-W-220225	880-11745-8	Water	02/25/22		X	X	X	X
	TMW-6-W-220225	880-11745-9	Water	02/25/22		X	X	X	X

Notes:
VOC = volatile organic compounds.
TPH = total petroleum hydrocarbons.
MET = metals.
MISC = miscellaneous includes hexavalent chromium, chloride and total dissolved solids.

DATA REVIEW REPORT

ANALYTICAL DATA PACKAGE DOCUMENTATION

The table below is the evaluation of the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed Chain-of-Custody (COC) form		X	X		
11. Narrative summary of QA or sample problems provided		X		X	
12. Data Package Completeness and Compliance		X		X	

Note:
QA - Quality Assurance
10. SDG# 880-11679-1: The sample MW-1-W-220223 (880-11679-11) identification did not match between COC and sample result pages. The sample identification on result pages list as TMW-1-W-220223 while the COC list as MW-1-W-220223. The sample identification per COC was considered and corrected in this review report.

DATA REVIEW REPORT

ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Methods 8021B and 8015B. Data were reviewed in accordance with USEPA National Functional Guidelines NFG for Organic Superfund Methods Data Review, EPA-540-R-20-005 (November 2020), with reference to the historical (USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, OSWER 9240.1-05A-P, October 1999, as appropriate).

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
  - U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
  - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers
  - E The compound was quantitated above the calibration range.
  - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
  - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
  - UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
  - JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
  - UB Compound considered non-detect at the listed value due to associated blank contamination.
  - N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
  - R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound

concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

DATA REVIEW REPORT

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8021B	Water	14 days from collection to analysis (preserved) 7 days from collection to analysis (non-preserved)	Cool to <6 °C; preserved to a pH of less than 2 s.u.

Note:
s.u. = standard units
SDGs #:880-11679-1, 880-11718-1 and 880-11745-1: All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the sample detection limit (SDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

SDGs # 880-11679-1, 880-11718-1 and 880-11745-1: Compounds were not detected above the SDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

SDGs # 880-11679-1, 880-11718-1 and 880-11745-1: All samples exhibited surrogate recoveries within the control limits with the exceptions noted below.

SDGs	Sample Locations	Surrogate	Recovery
880-11679-1	MW-36-W-220223	1,4-Difluorobenzene	< LL but > 10%
	DUP0I-W-220223	4-Bromofluorobenzene	> UL
880-11718-1	MW-14-W-220224	4-Bromofluorobenzene	> UL
	WW-7-W-220224	4-Bromofluorobenzene	> UL
	MWD-3-W-220224	1,4-Difluorobenzene	> UL
	RW-7-W-220224	4-Bromofluorobenzene	< 10%
	MWD-5-W-220224	1,4-Difluorobenzene	> UL

SDGs	Sample Locations	Surrogate	Recovery
880-11745-1	MW-25-W-220225	1,4-Difluorobenzene	> UL
	DUP04-W-220225	4-Bromofluorobenzene	> UL
		1,4-Difluorobenzene	> UL
	MW-32-W-220225	1,4-Difluorobenzene	> UL

The criteria used to evaluate the surrogate recoveries are presented in the following table. In the case of a surrogate deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> UL	Non-detect	No Action
	Detect	J
< LL but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J
Surrogates diluted below the calibration curve due to the high concentration of a target compounds	Non-detect	UJ[1]
	Detect	J[1]

Note:

[1] A more concentrated analysis was not performed with surrogate compounds within the calibration range; therefore, no determination of extraction efficiency could be made.

4. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analyses

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

SDG # 880-11679-1: The MS/MSD analysis performed on sample MW-3-W-220223. The MS/MSD exhibited acceptable recoveries and RPD between the MS/MSD recoveries.

SDG # 880-11745-1: The MS/MSD analysis was not performed on any of the sample from this SDG.

SDG # 880-11718-1: The MS/MSD analysis performed on sample MWD-7-W-220224. Sample locations associated with the MS/MSD exhibiting recoveries outside of the control limits are presented in the following table.

Sample Location	Compounds	MS Recovery	MSD Recovery
MWD-7-W-220224	Toluene	<LL but >10%	AC
	Ethylbenzene	<LL but >10%	AC
	m-Xylene & p-Xylene	<LL but >10%	AC

Note:

AC Acceptable

The criteria used to evaluate the MS/MSD recoveries are presented in the following table. In the case of an MS/MSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J
Parent sample concentration > four times the MS/MSD spiking solution concentration.	Detect	No Action
	Non-detect	

5. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

SDGs# 880-11679-1,880-11718-1, and 880-11745-1: All compounds associated with the LCS/LCSD analysis exhibited recoveries within the control limits.

6. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

Results for duplicate samples are summarized in the following table.

SDGs	Sample ID/Duplicate ID	Compounds	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD
880-11679-1	MW-15-W-220223 / DUP0I-W-220223	Toluene	0.00200 U	0.000403 J	AC

SDGs	Sample ID/Duplicate ID	Compounds	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD
	MW-1-W-220223 / DUP02-W-220223	Benzene	0.00177 J	0.00200 U	AC
		Toluene	0.000554 J	0.000509 J	AC
		Ethylbenzene	0.00163 J	0.00165 J	AC
		Total BTEX	0.00395 J	0.00216 J	AC
880-11718-1	MW-34-W-220224 / Dup03-W-220224	All target Compounds	U	U	AC
880-11745-1	MW-25-W-220225 / DUP04-W-220225	Benzene	0.959	1.19	21%
		Ethylbenzene	0.0183	0.0159	14%
		Total BTEX	0.977	1.21	21%

Notes:
AC = acceptable
U= Non detect

The calculated RPDs between the parent sample and field duplicates were acceptable.

7. System Performance and Overall Assessment

SDG # 880-11679-1: Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

SDGs #: 880-11718-1 and 880-11745-1: Sample results associated with compound that exhibited a concentration greater than the linear range of the instrument calibration are summarized in the following table.

SDGs	Sample ID	Compounds	Original Analysis	Diluted Analysis	Reported Analysis
880-11718-1	MWD-3-W-220224	Benzene	--	1.95	1.95 D
	MWD-5-W-220224	Benzene	--	3.45	3.45 D
880-11745-1	MWD-14-W-220225	Benzene	--	0.211	0.211 D
	MW-25-W-220225	Benzene	--	0.959	0.959 D
	DUP04-W-220225	Benzene	--	1.19	1.19 D
	MW-32-W-220225	Benzene	--	0.595	0.595 D

Note: In the instance where both the original analysis and the diluted analysis sample results exhibited a concentration greater than and/or less than the calibration linear range of the instrument; the sample result exhibiting the greatest concentration will be reported as the final result.

Sample results associated with compounds exhibiting concentrations greater than the linear range are qualified as documented in the table below when reported as the final reported sample result.

DATA REVIEW REPORT

Reported Sample Results	Qualification
Diluted sample result within calibration range	D
Diluted sample result less than the calibration range	DJ
Diluted sample result greater than the calibration range	EDJ
Original sample result greater than the calibration range	EJ

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA REVIEW REPORT

DATA VALIDATION CHECKLIST FOR VOCs

VOCs: SW-846 8021B	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY (GC)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks	X				X
C. Trip blanks	X				X
Laboratory Control Sample (LCS)		X		X	
Laboratory Control Sample Duplicate (LCSD)		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS)		X	X		
Matrix Spike Duplicate (MSD)		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X	X		
Dilution Factor		X		X	

Notes:

%R = Percent recovery

RPD = Relative percent difference

DATA REVIEW REPORT

TPH ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
GRO by Method SW-846 8015	Water	14 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C
DRO by Method SW-846 8015	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C

SDGs # 880-11679-1, 880-11718-1 and 880-11745-1: All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the sample detection limit (SDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

SDGs # 880-11679-1 and 880-11745-1: Compounds were not detected above the SDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

SDG # 880-11718-1: Compounds were detected in the associated QA blanks; however, the associated sample results were non-detect. No other qualification of the sample results was required.

3. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. The analysis requires surrogate compounds exhibit recoveries within the laboratory-established acceptance limits.

SDGs # 880-11718-1 and 880-11745-1: All surrogate recoveries were within control limits.

SDG # 880-11679-1: Samples associated with surrogates exhibiting recoveries outside of the control limits presented in the following table.

SDGs	Sample IDs	Surrogate	Recovery
880-11679-1	MW-31-W-220223	1-Chlorooctane	< LL but > 10%
	MW-37-W-220223	1-Chlorooctane	< LL but > 10%
	DUP0I-W-220223	1-Chlorooctane	< LL but > 10%
	MWD-11-W-220223	1-Chlorooctane	< LL but > 10%
	MWD-8-W-220223	1-Chlorooctane	> UL
		o-Terphenyl	

Notes:
UL = Upper limit
LL = Lower limit

The criteria used to evaluate the surrogate recoveries are presented in the following table. In the case of a surrogate deviation, the sample results associated with the deviant fraction are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> UL	Non-detect	No Action
	Detect	J
< LL but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J

4. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analyses

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

SDG # 880-11679-1: The MS/MSD analysis was performed on sample ID MWD-8-W-220223. MS/MSD analysis exhibited acceptable recoveries and RPDs.

SDGs # 880-11718-1 and 880-11745-1: The MS/MSD analysis was not performed on samples from this SDG.

5. Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate Analysis (LCSD)

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery and RPDs within the laboratory-established acceptance limits.

SDGs # 880-11679-1, 880-11718-1 and 880-11745-1: All compounds associated with the LCS/LCSD analysis exhibited recoveries and RPDs within the control limits.

6. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

Results for duplicate samples are summarized in the following table.

SDGs	Sample ID/Duplicate ID	Compounds	Sample Result (mg/l)	Duplicate Result (mg/l)	RPD
880-11679-1	MW-15-W-220223 / DUP0I-W-220223	All compounds	U	U	AC
	MW-1-W-220223 / DUP02-W-220223	All compounds	U	U	AC
880-11718-1	MW-34-W-220224 / Dup03-W-220224	Gasoline Range Organics (GRO)-C6-C10	1.43 J	1.08 J	AC
		Diesel Range Organics (Over C10-C28)	1.05 J	1.07 J	AC
		Total TPH	2.48 J	2.15 J	AC
880-11745-1	MW-25-W-220225 / DUP04-W-220225	Gasoline Range Organics (GRO)-C6-C10	4.45 U	1.11 J	AC
		Total TPH	4.45 U	1.11 J	AC

Notes:
U =Non detect
AC = acceptable

The calculated RPDs between the parent sample and field duplicates were acceptable.

7. System Performance and Overall Assessment

SDGs # 880-11679-1, 880-11718-1 and 880-11745-1: Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA REVIEW REPORT

DATA VALIDATION CHECKLIST FOR TPH

TPH: SW-846 8015	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY (GC/FID)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X	X		
B. Equipment blanks	X				X
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X	X		
Dilution Factor		X		X	

Notes:
%R - percent recovery
RPD - relative percent difference

INORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Methods 6020A, 7196A, EPA 300, SM 2540C. Data were reviewed in accordance with USEPA National Functional Guidelines NFG for Inorganic Superfund Methods Data Review, EPA-540-R-20-006 (November 2020), with reference to the historical (USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, OSWER 9240.1-05A-P, October 2004, as appropriate).

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and that it was already subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with the USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
  - U The analyte was analyzed for but not detected. The associated value is the analyte instrument detection limit.
  - J The reported value was obtained from a reading less than the reporting limit (RL), but greater than or equal to the method detection limit (MDL).
- Quantitation (Q) Qualifiers
  - E The reported value is estimated due to the presence of interference.
  - N Spiked sample recovery is not within control limits.
  - * Duplicate analysis is not within control limits.
- Validation Qualifiers
  - J The analyte was positively identified; however, the associated numerical value is an estimated concentration only.
  - UJ The analyte was not detected above the reporting limit. However, the reported limit is approximate and may or may not represent the actual limit of detection.
  - UB Analyte considered non-detect at the listed value due to associated blank contamination.
  - R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

DATA REVIEW REPORT

METALS ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 6020A	Water	180 days from collection to analysis	Preserved to a pH of less than 2.

SDGs # 880-11679-1, 880-11718-1 and 880-11745-1: All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank is calculated for QA blanks containing concentrations greater than the sample detection limit (SDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

SDGs# 880-11679-1,880-11718-1 and 880-11745-1: All analytes were not detected above the SDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Matrix Spike/Matrix Spike Duplicate (MS/MSD)/Laboratory Duplicate Analysis

MS/MSD and laboratory duplicate data are used to assess the precision and accuracy of the analytical method.

3.1 MS/MSD Analysis

All metal analytes must exhibit a percent recovery within the established acceptance limits of 75% to 125%. The MS/MSD recovery control limits do not apply for MS performed on sample locations where the analyte's concentration detected in the parent sample exceeds the MS concentration by a factor of four or greater. In instance where this is true, the data will not be qualified even if the percent recovery does not meet the control limits and the laboratory flag will be removed.

SDG # 880-11679-1: The MS/MSD analysis was performed on sample MW-15-W-220223. All analytes associated with MS/MSD recoveries and RPDs were within control limits.

SDG # 880-11718-1: The MS/MSD analysis was performed on sample. MW-9-W-220224. All analytes associated with MS/MSD recoveries and RPDs were within control limits.

SDG #: 880-11745-1: The MS/MSD analysis was not performed on samples from this SDG.

3.2 Laboratory Duplicate Analysis

The laboratory duplicates relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to 5 times the RL. A control limit of 20% for water matrices and 35% for soil matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of one times the RL is applied for water matrices and two times the RL for soil matrices.

SDGs# 880-11679-1,880-11718-1 and 880-11745-1: Laboratory duplicate analysis was not performed for the samples from this SDGs.

4. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices and 50% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices or three times the RL is applied for soil matrices.

Results for duplicate samples are summarized in the following table.

SDGs	Sample ID/Duplicate ID	Analytes	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD
880-11679-1	MW-15-W-220223 / DUP0I-W-220223	Arsenic	0.0149	0.0136	AC
		Barium	0.0816	0.0760	7%
		Chromium	0.00238 J	0.00231 J	AC
	MW-1-W-220223 / DUP02-W-220223	Arsenic	0.0248	0.0252	2%
		Barium	0.912	0.918	1%
880-11718-1	MW-34-W-220224 / Dup03-W-220224	Arsenic	0.00105 J	0.000995 J	AC
		Iron	5.56	5.44	2%
		Manganese	0.116	0.114	2%
880-11745-1	MW-25-W-220225 / DUP04-W-220225	Arsenic	0.0126	0.0122	AC
		Barium	1.53	1.53	0.0%
		Chromium	0.00142 J	0.00148 J	AC

Notes:
AC = acceptable

The calculated RPDs between the parent sample and field duplicates were acceptable.

5. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The analytes associated with the LCS/LCSD analysis must exhibit a percent recovery between the control limits of 80% and 120% and RPDs within the laboratory-established acceptance limits.

SDGs # 880-11679-1, 880-11718-1 and 880-11745-1: The LCS/LCSD analysis exhibited recoveries and RPDs within the control limits.

6. System Performance and Overall Assessment

SDGs # 880-11679-1, 880-11718-1 and 880-11745-1: Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA REVIEW REPORT

DATA VALIDATION CHECKLIST FOR METAL

METALS; SW-846 6020A	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)					
Tier II Validation					
Holding Times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Instrument Blanks	X				X
B. Method Blanks		X		X	
C. Equipment/Field Blanks	X				X
Laboratory Control Sample (LCS)		X		X	
Laboratory Control Sample Duplicate (LCSD) %R		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Reporting Limit Verification		X		X	

Notes:
%R Percent recovery
RPD Relative percent difference
%D Percent difference

DATA REVIEW REPORT

GENERAL CHEMISTRY ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
Hexavalent chromium by SW-846 7196A	Water	24 hours from collection to analysis	Cool to <6 °C.
Chloride by EPA 300.0	Water	28 days from collection to analysis	Cool to <6 °C.
Total Dissolved Solids by SM 2540C	Water	7 days from collection to analysis	Cool to <6 °C.

SDGs # 880-11679-1, 880-11718-1 and 880-11745-1: All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank is calculated for QA blanks containing concentrations greater than the sample detection limit (SDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

SDGs # 880-11679-1,880-11718-1 and 880-11745-1: All analytes were not detected above the SDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Matrix Spike (MS)/Laboratory Duplicate Analysis

MS and laboratory duplicate data are used to assess the precision and accuracy of the analytical method.

3.1 MS/MSD Analysis

All analytes must exhibit a percent recovery within the established acceptance limits of 75% to 125%. The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the analyte's concentration detected in the parent sample exceeds the MS concentration by a factor of four or greater. In instance where this is true, the data will not be qualified even if the percent recovery does not meet the control limits and the laboratory flag will be removed.

SDG# 880-11679-1: MS/MSD analysis was performed on sample ID MW-15-W-220223 and MW-1-W-220223for hexavalent chromium analysis. MS/MSD analysis exhibited recoveries and RPDs within the control limits.

SDG # 880-11718-1: MS/MSD analysis was performed on sample ID MW-9-W-220224, and WW-7-W-220224 for Anions, Ion Chromatography and MW-14-W-220224, MWD-15-W-220224, and MWD-5-W-220224 for 7196A - Chromium, Hexavalent analysis. MS/MSD analysis exhibited recoveries and RPDs within the control limits.

SDG # 880-11745-1: MS/MSD analysis was performed on sample ID MWD-4-W-220225for hexavalent chromium analysis. MS/MSD analysis exhibited recoveries and RPDs within the control limits.

3.2 Laboratory Duplicate Analysis

The laboratory duplicates relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to 5 times the RL. A control limit of 20% for water matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of one time the RL is applied for water matrices.

SDG # 880-11679-1: The laboratory duplicate analysis was performed on sample MW-38-W-220223 for total dissolved solids, exhibited RPD within the control limit.

SDG # 880-11718-1: The laboratory duplicate analysis was performed on sample MWD-1-W-220224 for total dissolved solids exhibited RPD within the control limit.

SDG # 880-11745-1: The laboratory duplicate analysis was not performed on samples from this SDG.

4. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices or three times the RL is applied for soil matrices.

Results for duplicate samples are summarized in the following table.

SDGs	Sample ID/Duplicate ID	Analytes	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD
880-11679-1	MW-15-W-220223 / DUP0I-W-220223	Chloride	1290	1220	6%
		Total Dissolved Solids	3240	2960	9%
	MW-1-W-220223 / DUP02-W-220223	Chloride	477	474	1%
		Total Dissolved Solids	1340	1450	8%
880-11718-1	MW-34-W-220224 / Dup03-W-220224	Chloride	261	252	4%
		Total Dissolved Solids	1520	1570	3%
880-11745-1	MW-25-W-220225 / DUP04-W-220225	Chloride	2410	2450	2%
		Total Dissolved Solids	5960	6040	1%

The calculated RPDs between the parent sample and field duplicates were acceptable.

5. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The analytes associated with the LCS/LCSD analysis must exhibit a percent recovery between the control limits of 80% and 120% and RPDs within the laboratory-established acceptance limits.

SDGs # 880-11679-1,880-11718-1 and 880-11745-1: The LCS/LCSD analysis exhibited recoveries and RPDs within the control limits.

6. System Performance and Overall Assessment

SDGs # 880-11679-1,880-11718-1 and 880-11745-1: Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA REVIEW REPORT

DATA VALIDATION CHECKLIST FOR GENERAL CHEMISTRY

General Chemistry: SW7196A, EPA 300.0 and SM 2540C	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Miscellaneous Instrumentation					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks	X				X
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Dilution Factor		X		X	

Notes:

%RSD – Relative standard deviation
%R - Percent recovery
RPD - Relative percent difference

DATA REVIEW REPORT

VALIDATION PERFORMED BY: Vinayak Hegde

SIGNATURE:

DATE: April 20, 2022

PEER REVIEW: Dennis Capria

DATE: April 24, 2022

CHAIN OF CUSTODY

CORRECTED SAMPLE ANALYSIS DATA SHEETS

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Chain of Custody

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)

880-11679 Chain of Custody

Project Manager:	Rebecca Andresen	Bill to: (if different)	
Company Name:	ARCADIS	Company Name:	
Address:	1004 N. Big Spring St.	Address:	
City, State ZIP:	Midland, TX. 79701	City, State ZIP:	
Phone:	303-471-3477	Email:	andrew.demarco@arcadis.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: New Mexico
Reporting:Level II [X] Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD [X] ADaPT ☐ Other:

Project Name:	Eunice Project- S. Eunice	Turn Around	
Project Number:	30049612	Routine ☐	
P.O. Number:		Rush:	
Sampler's Name:	Jerry Longwell/Daniel McGee	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	2.3/2.2	Thermometer ID	IR8
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-.1
Sample Custody Seals:	Yes No N/A	Total Containers:	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX (EPA 8021B)	TPH (SW8015B)	Hex Chrome (SW7196A)	Dissolved Metals (SW6020_DIS): Chromium, Arsenic & Barium)	TDS (SM2540C)	Chlorides (EPA 300.0)
MW-15-W-220223	W	02/23/22	0832		9	X	X	X	X	X	X
MW-16-W-220223	W	02/23/22	0931		9	X	X	X	X	X	X
MW-86-W-220223	W	02/23/22	1024		9	X	X	X	X	X	X
MW-35-W-220223	W	02/23/22	1102		9	X	X	X	X	X	X
MW-13-W-220223	W	02/23/22	1145		9	X	X	X	X	X	X
MW-31-W-220223	W	02/23/22	1210		9	X	X	X	X	X	X
MW-37-W-220223	W	02/23/22	1238		9	X	X	X	X	X	X
MW-38-W-220223	W	02/23/22	1312		9	X	X	X	X	X	X
DUP01-W-220223	W	02/23/22	—		9	X	X	X	X	X	X
MW-3-W-220223	W	02/23/22	0835		9	X	X	X	X	X	X

ANALYSIS REQUEST

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010:** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time		Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			1700/2-23-22	2			
3				4			
5				6			

Revised Date 051418 Rev. 2018.1

Received by OCD: 3/29/2023 1:18:07 PM

Released to Imaging: 4/10/2023 12:09:44 PM

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Chain of Custody

XENCO LABORATORIES

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)

Work Order No: 11679

www.xenco.com Page 2 of 2

Project Manager:	Rebecca Andresen	Bill to: (if different)	
Company Name:	ARCADIS	Company Name:	
Address:	1004 N. Big Spring St.	Address:	
City, State ZIP:	Midland, TX. 79701	City, State ZIP:	
Phone:	303-471-3477	Email:	andrew.demarco@arcadis.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: New Mexico
Reporting:Level II ☒ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☒ ADaPT ☐ Other:

Project Name:	Eunice Project- S. Eunice	Turn Around	
Project Number:	30049612	Routine ☐	
P.O. Number:		Rush:	
Sampler's Name:	Jerry Longwell/Daniel McGee	Due Date:	

SAMPLE RECEIPT			
Temperature (°C):	2.3/2.2	Temp Blank: Yes (No)	Wet Ice: (Yes) No
Received Intact:	(Yes) No	Thermometer ID	IR2
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-.1
Sample Custody Seals:	Yes No (N/A)	Total Containers:	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX (EPA 8021B)	TPH (SW8015B)	Hex Chrome (SW7196A)	Dissolved Metals (SW6020_DIS): Chromium, Arsenic & Barium)	TDS (SM2540C)	Chlorides (EPA 300.0)
MW-F-W-220223	W	02/23/22	1025		9	X	X	X	X	X	X
DUP02-W-220223	W	02/23/22	—		9	X	X	X	X	X	X
MWD-11-W-220223	W	02/23/22	1124		9	X	X	X	X	X	X
MWD-3-W-220223	W	02/23/22	1230		9	X	X	X	X	X	X
MWD-2-W-220223	W	02/23/22	1310		9	X	X	X	X	X	X
MW-4-W-220223	W	02/23/22	1345		9	X	X	X	X	X	X
RW-8-W-220223	W	02/23/22	1418		9	X	X	X	X	X	X

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010:** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471 : Hg**

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		1700/22-22	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

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4/13/2022 (Rev. 2)

Received by OCD: 3/29/2023 1:18:07 PM

Released to Imaging: 4/10/2023 12:09:44 PM

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: MW-15-W-220223

Date Collected: 02/23/22 08:32
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-1

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/01/22 09:20	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/01/22 09:20	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/01/22 09:20	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/01/22 09:20	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/01/22 09:20	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/01/22 09:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*		*03/01/22 09:20*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*		*03/01/22 09:20*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/01/22 18:55	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.904	U	4.57	0.904	mg/L			02/28/22 19:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.904	U	4.57	0.904	mg/L		02/25/22 15:02	02/26/22 03:16	1
Diesel Range Organics (Over C10-C28)	<0.904	U	4.57	0.904	mg/L		02/25/22 15:02	02/26/22 03:16	1
Oil Range Organics (Over C28-C36)	<0.872	U	4.57	0.872	mg/L		02/25/22 15:02	02/26/22 03:16	1
Total TPH	<0.904	U	4.57	0.904	mg/L		02/25/22 15:02	02/26/22 03:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*02/25/22 15:02*	*02/26/22 03:16*	*1*
o-Terphenyl	*97*		*70 - 130*	*02/25/22 15:02*	*02/26/22 03:16*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1290**		5.00	2.00	mg/L			03/02/22 20:42	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0149**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 14:28	1
Barium	**0.0816**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 14:28	1
Chromium	**0.00238**	**J**	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 14:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**3240**		40.0	40.0	mg/L			02/27/22 17:42	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/24/22 08:15	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: MW-16-W-220223

Date Collected: 02/23/22 08:31
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-2

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/01/22 09:48	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/01/22 09:48	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/01/22 09:48	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/01/22 09:48	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/01/22 09:48	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/01/22 09:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*		*03/01/22 09:48*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*		*03/01/22 09:48*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/01/22 18:55	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.898	U	4.55	0.898	mg/L			02/28/22 19:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.898	U	4.55	0.898	mg/L		02/25/22 15:02	02/26/22 03:39	1
Diesel Range Organics (Over C10-C28)	<0.898	U	4.55	0.898	mg/L		02/25/22 15:02	02/26/22 03:39	1
Oil Range Organics (Over C28-C36)	<0.867	U	4.55	0.867	mg/L		02/25/22 15:02	02/26/22 03:39	1
Total TPH	<0.898	U	4.55	0.898	mg/L		02/25/22 15:02	02/26/22 03:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*02/25/22 15:02*	*02/26/22 03:39*	*1*
o-Terphenyl	*79*		*70 - 130*	*02/25/22 15:02*	*02/26/22 03:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1830**		5.00	2.00	mg/L			03/02/22 20:54	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0128**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 14:50	1
Barium	**0.0332**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 14:50	1
Chromium	**0.0937**		0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 14:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**4000**		40.0	40.0	mg/L			02/27/22 18:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	**0.0897**		0.0100	0.00273	mg/L			02/24/22 08:15	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: MW-36-W-220223

Date Collected: 02/23/22 10:26
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-3

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/01/22 10:15	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/01/22 10:15	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/01/22 10:15	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/01/22 10:15	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/01/22 10:15	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/01/22 10:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*03/01/22 10:15*	*1*
1,4-Difluorobenzene (Surr)	*59*	*S1-*	*70 - 130*		*03/01/22 10:15*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/01/22 18:55	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.885	U	4.48	0.885	mg/L			02/28/22 19:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.885	U	4.48	0.885	mg/L		02/25/22 15:02	02/26/22 04:03	1
Diesel Range Organics (Over C10-C28)	<0.885	U	4.48	0.885	mg/L		02/25/22 15:02	02/26/22 04:03	1
Oil Range Organics (Over C28-C36)	<0.854	U	4.48	0.854	mg/L		02/25/22 15:02	02/26/22 04:03	1
Total TPH	<0.885	U	4.48	0.885	mg/L		02/25/22 15:02	02/26/22 04:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*02/25/22 15:02*	*02/26/22 04:03*	*1*
o-Terphenyl	*81*		*70 - 130*	*02/25/22 15:02*	*02/26/22 04:03*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**409**		0.500	0.200	mg/L			03/02/22 21:06	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00853**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 14:54	1
Barium	**0.0952**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 14:54	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 14:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1850**		20.0	20.0	mg/L			02/27/22 18:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/24/22 08:15	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: MW-35-W-220223

Date Collected: 02/23/22 11:02
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-4

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/01/22 10:42	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/01/22 10:42	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/01/22 10:42	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/01/22 10:42	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/01/22 10:42	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/01/22 10:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*		*03/01/22 10:42*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*		*03/01/22 10:42*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/01/22 18:55	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.882	U	4.46	0.882	mg/L			02/28/22 19:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.882	U	4.46	0.882	mg/L		02/25/22 15:02	02/26/22 04:25	1
Diesel Range Organics (Over C10-C28)	<0.882	U	4.46	0.882	mg/L		02/25/22 15:02	02/26/22 04:25	1
Oil Range Organics (Over C28-C36)	<0.851	U	4.46	0.851	mg/L		02/25/22 15:02	02/26/22 04:25	1
Total TPH	<0.882	U	4.46	0.882	mg/L		02/25/22 15:02	02/26/22 04:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*02/25/22 15:02*	*02/26/22 04:25*	*1*
o-Terphenyl	*81*		*70 - 130*	*02/25/22 15:02*	*02/26/22 04:25*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**147**		0.500	0.200	mg/L			03/02/22 21:18	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00956**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 14:57	1
Barium	**0.0938**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 14:57	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 14:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**972**		10.0	10.0	mg/L			02/27/22 18:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/24/22 08:15	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: MW-13-W-220223

Date Collected: 02/23/22 11:45
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-5

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/01/22 11:10	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/01/22 11:10	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/01/22 11:10	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/01/22 11:10	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/01/22 11:10	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/01/22 11:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*		*03/01/22 11:10*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*		*03/01/22 11:10*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/01/22 18:55	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.882	U	4.46	0.882	mg/L			02/28/22 19:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.882	U	4.46	0.882	mg/L		02/25/22 15:02	02/26/22 05:10	1
Diesel Range Organics (Over C10-C28)	<0.882	U	4.46	0.882	mg/L		02/25/22 15:02	02/26/22 05:10	1
Oil Range Organics (Over C28-C36)	<0.851	U	4.46	0.851	mg/L		02/25/22 15:02	02/26/22 05:10	1
Total TPH	<0.882	U	4.46	0.882	mg/L		02/25/22 15:02	02/26/22 05:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*02/25/22 15:02*	*02/26/22 05:10*	*1*
o-Terphenyl	*82*		*70 - 130*	*02/25/22 15:02*	*02/26/22 05:10*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**337**		0.500	0.200	mg/L			03/02/22 21:54	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0156**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 15:00	1
Barium	**0.0831**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 15:00	1
Chromium	**0.000589**	**J**	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 15:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1290**		20.0	20.0	mg/L			02/27/22 18:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/24/22 08:15	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: MW-31-W-220223

Date Collected: 02/23/22 12:10
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-6

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/01/22 11:37	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/01/22 11:37	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/01/22 11:37	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/01/22 11:37	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/01/22 11:37	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/01/22 11:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*		*03/01/22 11:37*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*		*03/01/22 11:37*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/01/22 18:55	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.895	U UJ	4.53	0.895	mg/L			02/28/22 19:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.895	U UJ	4.53	0.895	mg/L		02/25/22 15:02	02/26/22 05:31	1
Diesel Range Organics (Over C10-C28)	<0.895	U	4.53	0.895	mg/L		02/25/22 15:02	02/26/22 05:31	1
OII Range Organics (Over C28-C36)	<0.864	U	4.53	0.864	mg/L		02/25/22 15:02	02/26/22 05:31	1
Total TPH	<0.895	U	4.53	0.895	mg/L		02/25/22 15:02	02/26/22 05:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*69*	*S1-*	*70 - 130*	*02/25/22 15:02*	*02/26/22 05:31*	*1*
o-Terphenyl	*79*		*70 - 130*	*02/25/22 15:02*	*02/26/22 05:31*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**447**		0.500	0.200	mg/L			03/02/22 22:06	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0476**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 15:03	1
Barium	**0.310**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 15:03	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 15:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1660**		20.0	20.0	mg/L			02/27/22 18:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/24/22 08:15	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: MW-37-W-220223

Date Collected: 02/23/22 12:38
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-7

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/01/22 12:01	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/01/22 12:01	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/01/22 12:01	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/01/22 12:01	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/01/22 12:01	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/01/22 12:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*		*03/01/22 12:01*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*		*03/01/22 12:01*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/01/22 18:55	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.895	U UJ	4.53	0.895	mg/L			02/28/22 19:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.895	U UJ	4.53	0.895	mg/L		02/25/22 15:02	02/26/22 05:52	1
Diesel Range Organics (Over C10-C28)	<0.895	U	4.53	0.895	mg/L		02/25/22 15:02	02/26/22 05:52	1
Oil Range Organics (Over C28-C36)	<0.864	U	4.53	0.864	mg/L		02/25/22 15:02	02/26/22 05:52	1
Total TPH	<0.895	U	4.53	0.895	mg/L		02/25/22 15:02	02/26/22 05:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*69*	*S1-*	*70 - 130*	*02/25/22 15:02*	*02/26/22 05:52*	*1*
o-Terphenyl	*79*		*70 - 130*	*02/25/22 15:02*	*02/26/22 05:52*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**336**		0.500	0.200	mg/L			03/02/22 22:18	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0113**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 15:07	1
Barium	**0.536**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 15:07	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 15:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1180**		20.0	20.0	mg/L			02/27/22 18:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/24/22 08:15	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: MW-38-W-220223

Date Collected: 02/23/22 13:12
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-8

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/01/22 13:05	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/01/22 13:05	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/01/22 13:05	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/01/22 13:05	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/01/22 13:05	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/01/22 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*		*03/01/22 13:05*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*		*03/01/22 13:05*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/01/22 18:55	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.898	U	4.55	0.898	mg/L			02/28/22 19:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.898	U	4.55	0.898	mg/L		02/25/22 15:02	02/26/22 06:13	1
Diesel Range Organics (Over C10-C28)	<0.898	U	4.55	0.898	mg/L		02/25/22 15:02	02/26/22 06:13	1
Oil Range Organics (Over C28-C36)	<0.867	U	4.55	0.867	mg/L		02/25/22 15:02	02/26/22 06:13	1
Total TPH	<0.898	U	4.55	0.898	mg/L		02/25/22 15:02	02/26/22 06:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*02/25/22 15:02*	*02/26/22 06:13*	*1*
o-Terphenyl	*82*		*70 - 130*	*02/25/22 15:02*	*02/26/22 06:13*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**807**		5.00	2.00	mg/L			03/02/22 22:30	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00704**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 15:10	1
Barium	**0.0653**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 15:10	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 15:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**2320**		40.0	40.0	mg/L			02/27/22 18:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/24/22 08:15	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: DUP0I-W-220223

Date Collected: 02/23/22 00:00
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-9

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/01/22 17:10	1
Toluene	**0.000403**	**J**	0.00200	0.000367	mg/L			03/01/22 17:10	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/01/22 17:10	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/01/22 17:10	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/01/22 17:10	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/01/22 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*144*	*S1+*	*70 - 130*		*03/01/22 17:10*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*		*03/01/22 17:10*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/01/22 18:55	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.887	~~U~~ UJ	4.49	0.887	mg/L			02/28/22 19:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.887	U UJ	4.49	0.887	mg/L		02/25/22 15:02	02/26/22 06:33	1
Diesel Range Organics (Over C10-C28)	<0.887	U	4.49	0.887	mg/L		02/25/22 15:02	02/26/22 06:33	1
Oil Range Organics (Over C28-C36)	<0.856	U	4.49	0.856	mg/L		02/25/22 15:02	02/26/22 06:33	1
Total TPH	<0.887	U	4.49	0.887	mg/L		02/25/22 15:02	02/26/22 06:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*69*	*S1-*	*70 - 130*	*02/25/22 15:02*	*02/26/22 06:33*	*1*
o-Terphenyl	*79*		*70 - 130*	*02/25/22 15:02*	*02/26/22 06:33*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1220**		5.00	2.00	mg/L			03/03/22 13:30	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0136**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 15:13	1
Barium	**0.0760**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 15:13	1
Chromium	**0.00231**	**J**	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 15:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**2960**		40.0	40.0	mg/L			02/27/22 18:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U H	0.0100	0.00273	mg/L			02/24/22 08:15	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: MW-3-W-220223

Date Collected: 02/23/22 08:35
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-10

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/03/22 00:03	1
Toluene	**0.000689**	**J**	0.00200	0.000367	mg/L			03/03/22 00:03	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/03/22 00:03	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 00:03	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 00:03	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 00:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*03/03/22 00:03*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*		*03/03/22 00:03*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.000689**	**J**	0.00400	0.000657	mg/L			03/01/22 18:55	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.887	U	4.49	0.887	mg/L			02/28/22 19:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.887	U	4.49	0.887	mg/L		02/25/22 15:02	02/26/22 06:54	1
Diesel Range Organics (Over C10-C28)	<0.887	U	4.49	0.887	mg/L		02/25/22 15:02	02/26/22 06:54	1
Oil Range Organics (Over C28-C36)	<0.856	U	4.49	0.856	mg/L		02/25/22 15:02	02/26/22 06:54	1
Total TPH	<0.887	U	4.49	0.887	mg/L		02/25/22 15:02	02/26/22 06:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*02/25/22 15:02*	*02/26/22 06:54*	*1*
o-Terphenyl	*92*		*70 - 130*	*02/25/22 15:02*	*02/26/22 06:54*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**86.0**		0.500	0.200	mg/L			03/02/22 22:54	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0163**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 15:16	1
Barium	**0.0479**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 15:16	1
Chromium	**0.000605**	**J**	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 15:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**816**		10.0	10.0	mg/L			02/27/22 18:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/24/22 08:15	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: ~~TMW-1-W-220223~~ MW-1-W-220223
Date Collected: 02/23/22 10:25
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-11
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00177**	**J**	0.00200	0.000408	mg/L			03/03/22 00:23	1
Toluene	**0.000554**	**J**	0.00200	0.000367	mg/L			03/03/22 00:23	1
Ethylbenzene	**0.00163**	**J**	0.00200	0.000657	mg/L			03/03/22 00:23	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 00:23	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 00:23	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 00:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*03/03/22 00:23*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*		*03/03/22 00:23*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00395**	**J**	0.00400	0.000657	mg/L			03/01/22 18:55	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.885	U	4.48	0.885	mg/L			02/28/22 19:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.885	U	4.48	0.885	mg/L		02/25/22 15:02	02/26/22 07:16	1
Diesel Range Organics (Over C10-C28)	<0.885	U	4.48	0.885	mg/L		02/25/22 15:02	02/26/22 07:16	1
Oil Range Organics (Over C28-C36)	<0.854	U	4.48	0.854	mg/L		02/25/22 15:02	02/26/22 07:16	1
Total TPH	<0.885	U	4.48	0.885	mg/L		02/25/22 15:02	02/26/22 07:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*02/25/22 15:02*	*02/26/22 07:16*	*1*
o-Terphenyl	*86*		*70 - 130*	*02/25/22 15:02*	*02/26/22 07:16*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**477**		0.500	0.200	mg/L			03/02/22 23:06	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0248**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 15:19	1
Barium	**0.912**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 15:19	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 15:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1340**		20.0	20.0	mg/L			02/27/22 18:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/24/22 09:30	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: DUP02-W-220223

Date Collected: 02/23/22 00:00
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-12

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/03/22 00:43	1
Toluene	**0.000509**	**J**	0.00200	0.000367	mg/L			03/03/22 00:43	1
Ethylbenzene	**0.00165**	**J**	0.00200	0.000657	mg/L			03/03/22 00:43	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 00:43	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 00:43	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 00:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*		*03/03/22 00:43*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*		*03/03/22 00:43*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00216**	**J**	0.00400	0.000657	mg/L			03/01/22 18:55	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.885	U	4.48	0.885	mg/L			02/28/22 19:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.885	U	4.48	0.885	mg/L		02/25/22 15:02	02/26/22 07:37	1
Diesel Range Organics (Over C10-C28)	<0.885	U	4.48	0.885	mg/L		02/25/22 15:02	02/26/22 07:37	1
Oil Range Organics (Over C28-C36)	<0.854	U	4.48	0.854	mg/L		02/25/22 15:02	02/26/22 07:37	1
Total TPH	<0.885	U	4.48	0.885	mg/L		02/25/22 15:02	02/26/22 07:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*02/25/22 15:02*	*02/26/22 07:37*	*1*
o-Terphenyl	*87*		*70 - 130*	*02/25/22 15:02*	*02/26/22 07:37*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**474**		0.500	0.200	mg/L			03/02/22 23:18	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0252**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 15:29	1
Barium	**0.918**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 15:29	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 15:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1450**		20.0	20.0	mg/L			02/27/22 18:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U H	0.0100	0.00273	mg/L			02/24/22 09:30	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: MWD-11-W-220223

Date Collected: 02/23/22 11:24
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-13

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/03/22 01:04	1
Toluene	**0.000460**	**J**	0.00200	0.000367	mg/L			03/03/22 01:04	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/03/22 01:04	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 01:04	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 01:04	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 01:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*03/03/22 01:04*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*		*03/03/22 01:04*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/01/22 18:55	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.880	U UJ	4.45	0.880	mg/L			02/28/22 19:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.880	U UJ	4.45	0.880	mg/L		02/25/22 15:02	02/26/22 07:59	1
Diesel Range Organics (Over C10-C28)	<0.880	U	4.45	0.880	mg/L		02/25/22 15:02	02/26/22 07:59	1
Oil Range Organics (Over C28-C36)	<0.849	U	4.45	0.849	mg/L		02/25/22 15:02	02/26/22 07:59	1
Total TPH	<0.880	U	4.45	0.880	mg/L		02/25/22 15:02	02/26/22 07:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*69*	*S1-*	*70 - 130*	*02/25/22 15:02*	*02/26/22 07:59*	*1*
o-Terphenyl	*77*		*70 - 130*	*02/25/22 15:02*	*02/26/22 07:59*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**126**		0.500	0.200	mg/L			03/02/22 23:30	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0159**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 15:32	1
Barium	**0.0564**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 15:32	1
Chromium	**0.000804**	**J**	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 15:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**979**		10.0	10.0	mg/L			02/27/22 18:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/24/22 09:30	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: MWD-8-W-220223

Date Collected: 02/23/22 12:30
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-14

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/03/22 01:24	1
Toluene	**0.000438**	**J**	0.00200	0.000367	mg/L			03/03/22 01:24	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/03/22 01:24	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 01:24	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 01:24	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 01:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*03/03/22 01:24*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*		*03/03/22 01:24*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/01/22 18:55	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.887	U	4.49	0.887	mg/L			02/28/22 19:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.887	U F1	4.49	0.887	mg/L		02/28/22 14:50	03/01/22 20:51	1
Diesel Range Organics (Over C10-C28)	<0.887	U F1	4.49	0.887	mg/L		02/28/22 14:50	03/01/22 20:51	1
Oil Range Organics (Over C28-C36)	<0.856	U	4.49	0.856	mg/L		02/28/22 14:50	03/01/22 20:51	1
Total TPH	<0.887	U	4.49	0.887	mg/L		02/28/22 14:50	03/01/22 20:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*158*	*S1+*	*70 - 130*	*02/28/22 14:50*	*03/01/22 20:51*	*1*
o-Terphenyl	*173*	*S1+*	*70 - 130*	*02/28/22 14:50*	*03/01/22 20:51*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**116**		0.500	0.200	mg/L			03/04/22 01:08	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0234**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 15:35	1
Barium	**0.0345**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 15:35	1
Chromium	**0.00159**	**J**	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 15:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**646**		10.0	10.0	mg/L			02/27/22 18:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/24/22 09:30	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: MWD-2-W-220223

Date Collected: 02/23/22 13:10
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-15

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/03/22 01:45	1
Toluene	**0.000428**	**J**	0.00200	0.000367	mg/L			03/03/22 01:45	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/03/22 01:45	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 01:45	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 01:45	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 01:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*03/03/22 01:45*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*		*03/03/22 01:45*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/01/22 18:55	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.893	U	4.52	0.893	mg/L			02/28/22 19:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.893	U	4.52	0.893	mg/L		02/28/22 14:50	03/01/22 21:55	1
Diesel Range Organics (Over C10-C28)	<0.893	U	4.52	0.893	mg/L		02/28/22 14:50	03/01/22 21:55	1
Oil Range Organics (Over C28-C36)	<0.862	U	4.52	0.862	mg/L		02/28/22 14:50	03/01/22 21:55	1
Total TPH	<0.893	U	4.52	0.893	mg/L		02/28/22 14:50	03/01/22 21:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*02/28/22 14:50*	*03/01/22 21:55*	*1*
o-Terphenyl	*114*		*70 - 130*	*02/28/22 14:50*	*03/01/22 21:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**720**		5.00	2.00	mg/L			03/04/22 01:20	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0113**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 15:39	1
Barium	**0.0417**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 15:39	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 15:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**2480**		40.0	40.0	mg/L			02/27/22 18:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/24/22 09:30	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: MW-4-W-220223

Date Collected: 02/23/22 13:45
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-16

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/03/22 02:05	1
Toluene	**0.000559**	**J**	0.00200	0.000367	mg/L			03/03/22 02:05	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/03/22 02:05	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 02:05	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 02:05	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 02:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*03/03/22 02:05*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*		*03/03/22 02:05*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/01/22 18:55	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.898	U	4.55	0.898	mg/L			02/28/22 19:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.898	U	4.55	0.898	mg/L		02/28/22 14:50	03/01/22 22:17	1
Diesel Range Organics (Over C10-C28)	<0.898	U	4.55	0.898	mg/L		02/28/22 14:50	03/01/22 22:17	1
Oil Range Organics (Over C28-C36)	<0.867	U	4.55	0.867	mg/L		02/28/22 14:50	03/01/22 22:17	1
Total TPH	<0.898	U	4.55	0.898	mg/L		02/28/22 14:50	03/01/22 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*02/28/22 14:50*	*03/01/22 22:17*	*1*
o-Terphenyl	*100*		*70 - 130*	*02/28/22 14:50*	*03/01/22 22:17*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1710**		5.00	2.00	mg/L			03/04/22 01:31	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00982**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 15:42	1
Barium	**0.0808**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 15:42	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 15:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**4060**		40.0	40.0	mg/L			02/27/22 18:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/24/22 09:30	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11679-1

Client Sample ID: RW-8-W-220223

Date Collected: 02/23/22 14:18
Date Received: 02/23/22 16:56

Lab Sample ID: 880-11679-17

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/03/22 02:25	1
Toluene	**0.000435**	**J**	0.00200	0.000367	mg/L			03/03/22 02:25	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/03/22 02:25	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 02:25	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 02:25	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 02:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*03/03/22 02:25*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*		*03/03/22 02:25*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/01/22 18:55	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.880	U	4.45	0.880	mg/L			02/28/22 19:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.880	U	4.45	0.880	mg/L		02/28/22 14:50	03/01/22 22:39	1
Diesel Range Organics (Over C10-C28)	<0.880	U	4.45	0.880	mg/L		02/28/22 14:50	03/01/22 22:39	1
Oil Range Organics (Over C28-C36)	<0.849	U	4.45	0.849	mg/L		02/28/22 14:50	03/01/22 22:39	1
Total TPH	<0.880	U	4.45	0.880	mg/L		02/28/22 14:50	03/01/22 22:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*02/28/22 14:50*	*03/01/22 22:39*	*1*
o-Terphenyl	*100*		*70 - 130*	*02/28/22 14:50*	*03/01/22 22:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1240**		5.00	2.00	mg/L			03/04/22 01:43	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0945**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 15:45	1
Barium	**0.180**		0.00400	0.000484	mg/L		03/01/22 09:25	03/01/22 15:45	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 15:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**3340**		40.0	40.0	mg/L			02/27/22 18:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/24/22 09:30	1

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Chain of Custody

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Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000) www.xenc

Work Or

880-11718 Chain of Custody

4/13/2022 (Rev. 1)

Project Manager:	Rebecca Andresen	Bill to: (if different)	
Company Name:	ARCADIS	Company Name:	
Address:	1004 N. Big Spring St.	Address:	
City, State ZIP:	Midland, TX. 79701	City, State ZIP:	
Phone:	303-471-3477 Email:	andrew.demarco@arcadis.com	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: New Mexico
Reporting:Level II [X] Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD [X] ADaPT ☐ Other:

Project Name:	Eunice Project- S. Eunice	Turn Around	
Project Number:	30049612	Routine ☐	
P.O. Number:		Rush:	
Sampler's Name:	Jerry Longwell/Daniel McGee	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	(Yes) No
Temperature (°C):	1.0/-0.9	Thermometer ID	
Received Intact:	(Yes) No	IR8	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.1
Sample Custody Seals:	Yes No (N/A)	Total Containers:	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX (EPA 8021B)	TPH (SW8015B)	Hex Chrome (SW7196A)	Dissolved Metals (SW6020_DIS): Chromium, Arsenic & Barium)	TDS (SM2540C)	Chlorides (EPA 300.0)
MW-4-W-220224	W	02/24/22	0752		9	X	X	X	X	X	X
MW-30-W-220224	W	02/24/22	0825		9	X	X	X	X	X	X
MW-2-W-220224	W	02/24/22	0912		9	X	X	X	X	X	X
MW-7-W-220224	W	02/24/22	0938		9	X	X	X	X	X	X
MW-2-W-220224	W	02/24/22	1016		9	X	X	X	X	X	X
MW-29-W-220224	W	02/24/22	1056		9	X	X	X	X	X	X
MW-8-W-220224	W	02/24/22	1129		9	X	X	X	X	X	X
MW-34-W-220224	W	02/24/22	1209		9	X	X	X	X	X	X
MW-6-W-220224	W	02/24/22	1257		9	X	X	X	X	X	X
DUP-3-W-220224	W	02/24/22			9	X	X	X	X	X	X

ANALYSIS REQUEST

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

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	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			2-24-22 / 1710	2		
3				4		
5				6		

Revised Date 051418 Rev. 2018.1

Received by OCD: 3/29/2023 1:18:07 PM

Released to Imaging: 4/10/2023 12:09:44 PM

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Chain of Custody

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Work Order No: 11718

Project Manager:	Rebecca Andresen	Bill to: (if different)	
Company Name:	ARCADIS	Company Name:	
Address:	1004 N. Big Spring St.	Address:	
City, State ZIP:	Midland, TX. 79701	City, State ZIP:	
Phone:	303-471-3477	Email:	andrew.demarco@arcadis.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: New Mexico
Reporting:Level II [X] Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD [X] ADaPT ☐ Other:

Project Name:	Eunice Project- S. Eunice	Turn Around	
Project Number:	30049612	Routine ☐	
P.O. Number:		Rush:	
Sampler's Name:	Jerry Longwell/Daniel McGee	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	(Yes) No	
Temperature (°C):	1.0/0.9	Thermometer ID	IR 8	
Received Intact:	(Yes) No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.1	
Sample Custody Seals:	Yes No N/A	Total Containers:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX (EPA 8021B)	TPH (SW8015B)	Hex Chrome (SW7196A)	Dissolved Metals (SW6020_DIS): Chromium, Arsenic & Barium)	TDS (SM2540C)	Chlorides (EPA 300.0)
MWD-15-W-220224	W	2-24-22	0935	—	9	X	X	X	X	X	X
MWD-1-W-220224	W	2-24-22	1008	—	9	X	X	X	X	X	X
MWD-17-W-220224	W	2-24-22	1045	—	9	X	X	X	X	X	X
MWD-7-W-220224	W	2-24-22	1110	—	9	X	X	X	X	X	X
MWD-3-W-220224	W	2-24-22	1145	—	9	X	X	X	X	X	X
MWD-17-W-220224	W	2-24-22	1215	—	9	X	X	X	X	X	X
MW-22-W-220224	W	2-24-22	1208	—	9	X	X	X	X	X	X
RW-7-W-220224	W	2-24-22	1320	—	9	X	X	X	X	X	X
RW-6-W-220224	W	2-24-22	1348	—	9	X	X	X	X	X	X
MWD-12-220224	W	2-24-22	1440	—	9	X	X	X	X	X	X

ANALYSIS REQUEST

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		2-24-22 / 1710	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Received by OCD: 3/29/2023 1:18:07 PM

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4/13/2022 (Rev. 1)

Released to Imaging: 4/10/2023 12:09:44 PM

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Chain of Custody

Work Order No: 11718

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Project Manager:	Rebecca Andresen	Bill to: (if different)	
Company Name:	ARCADIS	Company Name:	
Address:	1004 N. Big Spring St.	Address:	
City, State ZIP:	Midland, TX. 79701	City, State ZIP:	
Phone:	303-471-3477	Email:	andrew.demarco@arcadis.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: New Mexico
Reporting:Level II ☒ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☒ ADaPT ☐ Other:

Project Name:	Eunice Project- S. Eunice	Turn Around	
Project Number:	30049612	Routine ☐	
P.O. Number:		Rush:	
Sampler's Name:	Jerry Longwell/Daniel McGee	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	(Yes) No	
Temperature (°C):	1.0 / 0.9	Thermometer ID		
Received Intact:	(Yes) No	IR 8		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.1	
Sample Custody Seals:	Yes No (N/A)	Total Containers:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX (EPA 8021B)	TPH (SW8015B)	Hex Chrome (SW7196A)	Dissolved Metals (SW6020_DIS): Chromium, Arsenic & Barium)	TDS (SM2540C)	Chlorides (EPA 300.0)
MW D-5-W-220224	W	2/24/22	1335		8	X	X	X	X	X	X

ANALYSIS REQUEST

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010:** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		2-24-22 / 1740	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

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4/13/2022 (Rev. 1)

Received by OCD: 3/29/2023 1:18:07 PM

Released to Imaging: 4/10/2023 12:09:44 PM

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MW-14-W-220224

Date Collected: 02/24/22 07:52
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-1

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/01/22 19:47	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/01/22 19:47	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/01/22 19:47	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/01/22 19:47	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/01/22 19:47	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/01/22 19:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*		*03/01/22 19:47*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*		*03/01/22 19:47*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.893	U	4.52	0.893	mg/L			03/01/22 13:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.893	U	4.52	0.893	mg/L		02/28/22 10:10	02/28/22 14:28	1
Diesel Range Organics (Over C10-C28)	<0.893	U	4.52	0.893	mg/L		02/28/22 10:10	02/28/22 14:28	1
Oil Range Organics (Over C28-C36)	<0.862	U	4.52	0.862	mg/L		02/28/22 10:10	02/28/22 14:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*02/28/22 10:10*	*02/28/22 14:28*	*1*
o-Terphenyl	*110*		*70 - 130*	*02/28/22 10:10*	*02/28/22 14:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**558**		5.00	2.00	mg/L			03/04/22 22:22	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00867**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 15:51	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 15:51	1
Iron	**0.0757**	**J**	0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 15:51	1
Manganese	**0.555**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 15:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1820**		100	100	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U H	0.0100	0.00273	mg/L			02/25/22 08:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MW-30-W-220224

Date Collected: 02/24/22 08:29
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-2

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00119**	**J**	0.00200	0.000408	mg/L			03/01/22 20:14	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/01/22 20:14	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/01/22 20:14	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/01/22 20:14	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/01/22 20:14	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/01/22 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*		*03/01/22 20:14*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*		*03/01/22 20:14*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00119**	**J**	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.885	U	4.48	0.885	mg/L			03/01/22 13:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.885	U	4.48	0.885	mg/L		02/28/22 14:50	03/02/22 04:01	1
Diesel Range Organics (Over C10-C28)	<0.885	U	4.48	0.885	mg/L		02/28/22 14:50	03/02/22 04:01	1
Oil Range Organics (Over C28-C36)	<0.854	U	4.48	0.854	mg/L		02/28/22 14:50	03/02/22 04:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*02/28/22 14:50*	*03/02/22 04:01*	*1*
o-Terphenyl	*101*		*70 - 130*	*02/28/22 14:50*	*03/02/22 04:01*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**268**		5.00	2.00	mg/L			03/04/22 22:34	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00943**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 15:55	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 15:55	1
Iron	**0.177**		0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 15:55	1
Manganese	**0.492**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 15:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1190**		100	100	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 08:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MW-9-W-220224

Date Collected: 02/24/22 09:12
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-3

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/03/22 02:46	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/03/22 02:46	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/03/22 02:46	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 02:46	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 02:46	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 02:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*		*03/03/22 02:46*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*		*03/03/22 02:46*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.887	U	4.49	0.887	mg/L			03/01/22 13:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.887	U	4.49	0.887	mg/L		02/28/22 10:10	02/28/22 15:52	1
Diesel Range Organics (Over C10-C28)	<0.887	U	4.49	0.887	mg/L		02/28/22 10:10	02/28/22 15:52	1
Oil Range Organics (Over C28-C36)	<0.856	U	4.49	0.856	mg/L		02/28/22 10:10	02/28/22 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*02/28/22 10:10*	*02/28/22 15:52*	*1*
o-Terphenyl	*116*		*70 - 130*	*02/28/22 10:10*	*02/28/22 15:52*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**208**		0.500	0.200	mg/L			03/04/22 22:46	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00619**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 16:33	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 16:33	1
Iron	**0.0436**	**J**	0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 16:33	1
Manganese	**0.215**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 16:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1150**		100	100	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 08:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: WW-7-W-220224

Date Collected: 02/24/22 09:39
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-4

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00944	J	0.00200	0.000408	mg/L			03/03/22 21:24	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/03/22 21:24	1
Ethylbenzene	0.00596	J	0.00200	0.000657	mg/L			03/03/22 21:24	1
m-Xylene & p-Xylene	0.0353	J	0.00400	0.000629	mg/L			03/03/22 21:24	1
o-Xylene	0.0104	J	0.00200	0.000642	mg/L			03/03/22 21:24	1
Xylenes, Total	0.0457	J	0.00400	0.000642	mg/L			03/03/22 21:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*		*03/03/22 21:24*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*		*03/03/22 21:24*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0611	J	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	0.889	J	4.49	0.887	mg/L			03/01/22 13:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	0.889	J	4.49	0.887	mg/L		02/28/22 10:10	02/28/22 16:12	1
Diesel Range Organics (Over C10-C28)	<0.887	U	4.49	0.887	mg/L		02/28/22 10:10	02/28/22 16:12	1
Oil Range Organics (Over C28-C36)	<0.856	U	4.49	0.856	mg/L		02/28/22 10:10	02/28/22 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*02/28/22 10:10*	*02/28/22 16:12*	*1*
o-Terphenyl	*122*		*70 - 130*	*02/28/22 10:10*	*02/28/22 16:12*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	248		0.500	0.200	mg/L			03/04/22 23:46	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.000775	J	0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 16:55	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 16:55	1
Iron	8.96		0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 16:55	1
Manganese	0.725		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 16:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	416		50.0	50.0	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 08:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: WW-2-W-220224

Date Collected: 02/24/22 10:16
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-5

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0429**		0.00200	0.000408	mg/L			03/03/22 21:51	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/03/22 21:51	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/03/22 21:51	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 21:51	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 21:51	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 21:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*03/03/22 21:51*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*		*03/03/22 21:51*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0429**		0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.895	U	4.53	0.895	mg/L			03/01/22 13:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.895	U	4.53	0.895	mg/L		02/28/22 10:10	02/28/22 16:33	1
Diesel Range Organics (Over C10-C28)	<0.895	U	4.53	0.895	mg/L		02/28/22 10:10	02/28/22 16:33	1
Oil Range Organics (Over C28-C36)	<0.864	U	4.53	0.864	mg/L		02/28/22 10:10	02/28/22 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*02/28/22 10:10*	*02/28/22 16:33*	*1*
o-Terphenyl	*124*		*70 - 130*	*02/28/22 10:10*	*02/28/22 16:33*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**672**		5.00	2.00	mg/L			03/08/22 11:41	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00150**	**J**	0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 16:59	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 16:59	1
Iron	**2.58**		0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 16:59	1
Manganese	**0.307**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 16:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1160**		100	100	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 08:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MW-29-W-220224

Date Collected: 02/24/22 10:56
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-6

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/04/22 06:00	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/04/22 06:00	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/04/22 06:00	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/04/22 06:00	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/04/22 06:00	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/04/22 06:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*		*03/04/22 06:00*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*		*03/04/22 06:00*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**2.33**	**J**	4.50	0.890	mg/L			03/01/22 13:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**2.33**	**J**	4.50	0.890	mg/L		02/28/22 10:10	02/28/22 16:53	1
Diesel Range Organics (Over C10-C28)	<0.890	U	4.50	0.890	mg/L		02/28/22 10:10	02/28/22 16:53	1
Oil Range Organics (Over C28-C36)	<0.859	U	4.50	0.859	mg/L		02/28/22 10:10	02/28/22 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*02/28/22 10:10*	*02/28/22 16:53*	*1*
o-Terphenyl	*109*		*70 - 130*	*02/28/22 10:10*	*02/28/22 16:53*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**356**		5.00	2.00	mg/L			03/05/22 00:34	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00276**	**J**	0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 17:02	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 17:02	1
Iron	**9.66**		0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 17:02	1
Manganese	**0.132**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 17:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1370**		100	100	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 08:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MW-8-W-220224

Date Collected: 02/24/22 11:29
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-7

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/04/22 02:50	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/04/22 02:50	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/04/22 02:50	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/04/22 02:50	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/04/22 02:50	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/04/22 02:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*		*03/04/22 02:50*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*		*03/04/22 02:50*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.895	U	4.53	0.895	mg/L			03/01/22 13:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.895	U	4.53	0.895	mg/L		02/28/22 10:10	02/28/22 17:14	1
Diesel Range Organics (Over C10-C28)	<0.895	U	4.53	0.895	mg/L		02/28/22 10:10	02/28/22 17:14	1
Oil Range Organics (Over C28-C36)	<0.864	U	4.53	0.864	mg/L		02/28/22 10:10	02/28/22 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*02/28/22 10:10*	*02/28/22 17:14*	*1*
o-Terphenyl	*126*		*70 - 130*	*02/28/22 10:10*	*02/28/22 17:14*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**714**		5.00	2.00	mg/L			03/05/22 00:46	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0299**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 17:05	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 17:05	1
Iron	**2.89**		0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 17:05	1
Manganese	**0.413**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 17:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**2290**		200	200	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 08:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MW-34-W-220224

Date Collected: 02/24/22 12:09
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-8

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/04/22 04:12	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/04/22 04:12	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/04/22 04:12	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/04/22 04:12	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/04/22 04:12	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/04/22 04:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*		*03/04/22 04:12*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*		*03/04/22 04:12*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**2.48**	**J**	4.52	0.893	mg/L			03/01/22 13:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**1.43**	**J**	4.52	0.893	mg/L		02/28/22 10:10	02/28/22 17:36	1
Diesel Range Organics (Over C10-C28)	**1.05**	**J**	4.52	0.893	mg/L		02/28/22 10:10	02/28/22 17:36	1
Oil Range Organics (Over C28-C36)	<0.862	U	4.52	0.862	mg/L		02/28/22 10:10	02/28/22 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*02/28/22 10:10*	*02/28/22 17:36*	*1*
o-Terphenyl	*113*		*70 - 130*	*02/28/22 10:10*	*02/28/22 17:36*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**261**		5.00	2.00	mg/L			03/05/22 00:58	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00105**	**J**	0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 17:08	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 17:08	1
Iron	**5.56**		0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 17:08	1
Manganese	**0.116**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 17:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1520**		100	100	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 08:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MWD-6-W-220224

Date Collected: 02/24/22 12:57
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-9

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/04/22 04:39	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/04/22 04:39	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/04/22 04:39	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/04/22 04:39	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/04/22 04:39	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/04/22 04:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*		*03/04/22 04:39*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*		*03/04/22 04:39*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.895	U	4.53	0.895	mg/L			03/01/22 13:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.895	U	4.53	0.895	mg/L		02/28/22 10:10	02/28/22 17:57	1
Diesel Range Organics (Over C10-C28)	<0.895	U	4.53	0.895	mg/L		02/28/22 10:10	02/28/22 17:57	1
Oil Range Organics (Over C28-C36)	<0.864	U	4.53	0.864	mg/L		02/28/22 10:10	02/28/22 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*02/28/22 10:10*	*02/28/22 17:57*	*1*
o-Terphenyl	*110*		*70 - 130*	*02/28/22 10:10*	*02/28/22 17:57*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**166**		0.500	0.200	mg/L			03/05/22 01:10	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00390**	**J**	0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 17:11	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 17:11	1
Iron	**1.39**		0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 17:11	1
Manganese	**0.257**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 17:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1100**		100	100	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 08:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: Dup03-W-220224
Date Collected: 02/24/22 00:00
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-10
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/04/22 05:06	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/04/22 05:06	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/04/22 05:06	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/04/22 05:06	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/04/22 05:06	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/04/22 05:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*		*03/04/22 05:06*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*		*03/04/22 05:06*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**2.15**	**J**	4.46	0.882	mg/L			03/01/22 13:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**1.08**	**J**	4.46	0.882	mg/L		02/28/22 10:10	02/28/22 18:18	1
Diesel Range Organics (Over C10-C28)	**1.07**	**J**	4.46	0.882	mg/L		02/28/22 10:10	02/28/22 18:18	1
Oil Range Organics (Over C28-C36)	<0.851	U	4.46	0.851	mg/L		02/28/22 10:10	02/28/22 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*02/28/22 10:10*	*02/28/22 18:18*	*1*
o-Terphenyl	*118*		*70 - 130*	*02/28/22 10:10*	*02/28/22 18:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**252**		5.00	2.00	mg/L			03/05/22 01:22	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.000995**	**J**	0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 17:15	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 17:15	1
Iron	**5.44**		0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 17:15	1
Manganese	**0.114**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 17:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1570**		100	100	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U H	0.0100	0.00273	mg/L			02/25/22 08:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MWD-15-W-220224

Date Collected: 02/24/22 09:35
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-11

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/04/22 05:33	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/04/22 05:33	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/04/22 05:33	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/04/22 05:33	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/04/22 05:33	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/04/22 05:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*		*03/04/22 05:33*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*		*03/04/22 05:33*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**3.57**	**J**	4.46	0.882	mg/L			03/01/22 13:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**2.40**	**J**	4.46	0.882	mg/L		02/28/22 10:10	02/28/22 19:00	1
Diesel Range Organics (Over C10-C28)	**1.17**	**J**	4.46	0.882	mg/L		02/28/22 10:10	02/28/22 19:00	1
Oil Range Organics (Over C28-C36)	<0.851	U	4.46	0.851	mg/L		02/28/22 10:10	02/28/22 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*02/28/22 10:10*	*02/28/22 19:00*	*1*
o-Terphenyl	*119*		*70 - 130*	*02/28/22 10:10*	*02/28/22 19:00*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1280**		5.00	2.00	mg/L			03/05/22 01:34	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00676**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 17:18	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 17:18	1
Iron	**8.45**		0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 17:18	1
Manganese	**0.106**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 17:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**4240**		200	200	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 09:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MWD-1-W-220224

Date Collected: 02/24/22 10:08
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-12

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/04/22 03:17	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/04/22 03:17	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/04/22 03:17	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/04/22 03:17	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/04/22 03:17	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/04/22 03:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*		*03/04/22 03:17*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*		*03/04/22 03:17*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.895	U	4.53	0.895	mg/L			03/01/22 13:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.895	U	4.53	0.895	mg/L		02/28/22 10:10	02/28/22 19:22	1
Diesel Range Organics (Over C10-C28)	<0.895	U	4.53	0.895	mg/L		02/28/22 10:10	02/28/22 19:22	1
Oil Range Organics (Over C28-C36)	<0.864	U	4.53	0.864	mg/L		02/28/22 10:10	02/28/22 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*02/28/22 10:10*	*02/28/22 19:22*	*1*
o-Terphenyl	*114*		*70 - 130*	*02/28/22 10:10*	*02/28/22 19:22*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**465**		5.00	2.00	mg/L			03/05/22 02:10	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0416**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 17:21	1
Chromium	**0.00305**	**J**	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 17:21	1
Iron	<0.0227	U	0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 17:21	1
Manganese	**0.00982**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 17:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1560**		100	100	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 09:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MW-17-W-220224

Date Collected: 02/24/22 10:45
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-13

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/04/22 03:44	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/04/22 03:44	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/04/22 03:44	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/04/22 03:44	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/04/22 03:44	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/04/22 03:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*		*03/04/22 03:44*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*		*03/04/22 03:44*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.895	U	4.53	0.895	mg/L			03/01/22 13:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.895	U	4.53	0.895	mg/L		02/28/22 10:10	02/28/22 19:43	1
Diesel Range Organics (Over C10-C28)	<0.895	U	4.53	0.895	mg/L		02/28/22 10:10	02/28/22 19:43	1
Oil Range Organics (Over C28-C36)	<0.864	U	4.53	0.864	mg/L		02/28/22 10:10	02/28/22 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*02/28/22 10:10*	*02/28/22 19:43*	*1*
o-Terphenyl	*118*		*70 - 130*	*02/28/22 10:10*	*02/28/22 19:43*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**874**		5.00	2.00	mg/L			03/05/22 02:22	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00967**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 17:24	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 17:24	1
Iron	**0.241**		0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 17:24	1
Manganese	**0.415**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 17:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**2190**		200	200	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 09:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MWD-7-W-220224

Date Collected: 02/24/22 11:10
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-14

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/03/22 12:07	1
Toluene	<0.000367	U F1	0.00200	0.000367	mg/L			03/03/22 12:07	1
Ethylbenzene	<0.000657	U F1	0.00200	0.000657	mg/L			03/03/22 12:07	1
m-Xylene & p-Xylene	<0.000629	U F1	0.00400	0.000629	mg/L			03/03/22 12:07	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 12:07	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 12:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*		*03/03/22 12:07*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*		*03/03/22 12:07*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.898	U	4.55	0.898	mg/L			03/01/22 13:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.898	U	4.55	0.898	mg/L		02/28/22 10:10	02/28/22 20:04	1
Diesel Range Organics (Over C10-C28)	<0.898	U	4.55	0.898	mg/L		02/28/22 10:10	02/28/22 20:04	1
Oil Range Organics (Over C28-C36)	<0.867	U	4.55	0.867	mg/L		02/28/22 10:10	02/28/22 20:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*02/28/22 10:10*	*02/28/22 20:04*	*1*
o-Terphenyl	*116*		*70 - 130*	*02/28/22 10:10*	*02/28/22 20:04*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7120**		50.0	20.0	mg/L			03/05/22 02:34	100

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0147**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 17:34	1
Chromium	<0.00525	U	0.0400	0.00525	mg/L		03/01/22 09:25	03/01/22 18:18	10
Iron	<0.227	U	1.00	0.227	mg/L		03/01/22 09:25	03/02/22 13:45	10
Manganese	**0.242**		0.0200	0.00199	mg/L		03/01/22 09:25	03/01/22 18:18	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**10800**		500	500	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 09:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MWD-3-W-220224

Date Collected: 02/24/22 11:45
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-15

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.95**	D J	0.200	0.0408	mg/L			03/04/22 07:50	100
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/03/22 13:53	1
Ethylbenzene	**0.00139**	**J**	0.00200	0.000657	mg/L			03/03/22 13:53	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 13:53	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 13:53	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*03/03/22 13:53*	*1*
1,4-Difluorobenzene (Surr)	*162*	*S1+*	*70 - 130*		*03/03/22 13:53*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**1.95**	J	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1.65**	**J**	4.49	0.887	mg/L			03/01/22 13:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**1.65**	**J**	4.49	0.887	mg/L		02/28/22 10:10	02/28/22 20:25	1
Diesel Range Organics (Over C10-C28)	<0.887	U	4.49	0.887	mg/L		02/28/22 10:10	02/28/22 20:25	1
Oil Range Organics (Over C28-C36)	<0.856	U	4.49	0.856	mg/L		02/28/22 10:10	02/28/22 20:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*02/28/22 10:10*	*02/28/22 20:25*	*1*
o-Terphenyl	*120*		*70 - 130*	*02/28/22 10:10*	*02/28/22 20:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20500**		50.0	20.0	mg/L			03/05/22 03:46	100

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0489**		0.0400	0.00246	mg/L		03/01/22 09:25	03/01/22 18:21	10
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 17:37	1
Iron	**7.14**		0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 17:37	1
Manganese	**0.225**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 17:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**33000**		1000	1000	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 09:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MWD-17-W-220224

Date Collected: 02/24/22 12:45
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-16

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0238**		0.00200	0.000408	mg/L			03/03/22 14:20	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/03/22 14:20	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/03/22 14:20	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 14:20	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 14:20	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*03/03/22 14:20*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*		*03/03/22 14:20*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0238**		0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1.52**	**J**	4.49	0.887	mg/L			03/01/22 13:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**1.52**	**J**	4.49	0.887	mg/L		02/28/22 10:10	02/28/22 20:46	1
Diesel Range Organics (Over C10-C28)	<0.887	U	4.49	0.887	mg/L		02/28/22 10:10	02/28/22 20:46	1
Oil Range Organics (Over C28-C36)	<0.856	U	4.49	0.856	mg/L		02/28/22 10:10	02/28/22 20:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*02/28/22 10:10*	*02/28/22 20:46*	*1*
o-Terphenyl	*119*		*70 - 130*	*02/28/22 10:10*	*02/28/22 20:46*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5520**		50.0	20.0	mg/L			03/05/22 03:58	100

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0596**		0.0400	0.00246	mg/L		03/01/22 09:25	03/01/22 18:25	10
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 17:40	1
Iron	**2.97**		0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 17:40	1
Manganese	**0.153**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 17:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**11400**		500	500	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 09:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MW-22-W-220224

Date Collected: 02/24/22 12:08
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-17

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00169**	**J**	0.00200	0.000408	mg/L			03/03/22 14:46	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/03/22 14:46	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/03/22 14:46	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 14:46	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 14:46	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 14:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*03/03/22 14:46*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*		*03/03/22 14:46*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00169**	**J**	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1.34**	**J**	4.48	0.885	mg/L			03/01/22 13:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**1.34**	**J**	4.48	0.885	mg/L		02/28/22 10:10	02/28/22 21:07	1
Diesel Range Organics (Over C10-C28)	<0.885	U	4.48	0.885	mg/L		02/28/22 10:10	02/28/22 21:07	1
Oil Range Organics (Over C28-C36)	<0.854	U	4.48	0.854	mg/L		02/28/22 10:10	02/28/22 21:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*02/28/22 10:10*	*02/28/22 21:07*	*1*
o-Terphenyl	*126*		*70 - 130*	*02/28/22 10:10*	*02/28/22 21:07*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2510**		5.00	2.00	mg/L			03/05/22 04:10	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0451**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 17:43	1
Chromium	**0.000999**	**J**	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 17:43	1
Iron	**4.57**		0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 17:43	1
Manganese	**0.0246**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 17:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**6620**		500	500	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 09:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: RW-7-W-220224

Date Collected: 02/24/22 13:20
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-18

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
~~Benzene~~	~~<0.000408~~	~~U~~	~~0.00200~~	~~0.000408~~	~~mg/L~~			~~03/03/22 12:34~~	~~1~~ R
~~Toluene~~	~~<0.000367~~	~~U~~	~~0.00200~~	~~0.000367~~	~~mg/L~~			~~03/03/22 12:34~~	~~1~~
~~Ethylbenzene~~	~~<0.000657~~	~~U~~	~~0.00200~~	~~0.000657~~	~~mg/L~~			~~03/03/22 12:34~~	~~1~~
~~m-Xylene & p-Xylene~~	~~<0.000629~~	~~U~~	~~0.00400~~	~~0.000629~~	~~mg/L~~			~~03/03/22 12:34~~	~~1~~
~~o-Xylene~~	~~<0.000642~~	~~U~~	~~0.00200~~	~~0.000642~~	~~mg/L~~			~~03/03/22 12:34~~	~~1~~
~~Xylenes, Total~~	~~<0.000642~~	~~U~~	~~0.00400~~	~~0.000642~~	~~mg/L~~			~~03/03/22 12:34~~	~~1~~

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*9*	*S1-*	*70 - 130*		*03/03/22 12:34*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*		*03/03/22 12:34*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
~~Total BTEX~~	~~<0.000657~~	~~U~~	~~0.00400~~	~~0.000657~~	~~mg/L~~			~~03/09/22 20:26~~	~~1~~ R

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.885	U	4.48	0.885	mg/L			03/01/22 13:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.885	U	4.48	0.885	mg/L		02/28/22 10:10	02/28/22 21:29	1
Diesel Range Organics (Over C10-C28)	<0.885	U	4.48	0.885	mg/L		02/28/22 10:10	02/28/22 21:29	1
Oil Range Organics (Over C28-C36)	<0.854	U	4.48	0.854	mg/L		02/28/22 10:10	02/28/22 21:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*02/28/22 10:10*	*02/28/22 21:29*	*1*
o-Terphenyl	*126*		*70 - 130*	*02/28/22 10:10*	*02/28/22 21:29*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3210**		5.00	2.00	mg/L			03/05/22 04:22	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00670**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 17:47	1
Chromium	**0.000917**	**J**	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 17:47	1
Iron	<0.0227	U	0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 17:47	1
Manganese	**0.0330**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 17:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**8230**		500	500	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 09:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: RW-6-W-220224

Date Collected: 02/24/22 13:48
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-19

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/03/22 15:13	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/03/22 15:13	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/03/22 15:13	1
m-Xylene & p-Xylene	**0.00236**	**J**	0.00400	0.000629	mg/L			03/03/22 15:13	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 15:13	1
Xylenes, Total	**0.00236**	**J**	0.00400	0.000642	mg/L			03/03/22 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*		*03/03/22 15:13*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*		*03/03/22 15:13*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00236**	**J**	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**2.42**	**J**	4.45	0.880	mg/L			03/01/22 13:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**1.32**	**J**	4.45	0.880	mg/L		02/28/22 10:10	02/28/22 21:51	1
Diesel Range Organics (Over C10-C28)	**1.10**	**J**	4.45	0.880	mg/L		02/28/22 10:10	02/28/22 21:51	1
Oil Range Organics (Over C28-C36)	<0.849	U	4.45	0.849	mg/L		02/28/22 10:10	02/28/22 21:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*02/28/22 10:10*	*02/28/22 21:51*	*1*
o-Terphenyl	*125*		*70 - 130*	*02/28/22 10:10*	*02/28/22 21:51*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**986**		5.00	2.00	mg/L			03/05/22 04:34	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00404**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 17:50	1
Chromium	**0.000732**	**J**	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 17:50	1
Iron	**3.89**		0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 17:50	1
Manganese	**0.0309**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 17:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**2860**		200	200	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 09:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MWD-12-W-220224

Date Collected: 02/24/22 14:40
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-20

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/03/22 15:39	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/03/22 15:39	1
Ethylbenzene	**0.0993**		0.00200	0.000657	mg/L			03/03/22 15:39	1
m-Xylene & p-Xylene	**0.00640**		0.00400	0.000629	mg/L			03/03/22 15:39	1
o-Xylene	**0.00277**		0.00200	0.000642	mg/L			03/03/22 15:39	1
Xylenes, Total	**0.00917**		0.00400	0.000642	mg/L			03/03/22 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*03/03/22 15:39*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*		*03/03/22 15:39*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.108**		0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**2.93**	**J**	4.48	0.885	mg/L			03/01/22 13:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**1.53**	**J**	4.48	0.885	mg/L		02/28/22 10:10	02/28/22 22:14	1
Diesel Range Organics (Over C10-C28)	**1.40**	**J**	4.48	0.885	mg/L		02/28/22 10:10	02/28/22 22:14	1
Oil Range Organics (Over C28-C36)	<0.854	U	4.48	0.854	mg/L		02/28/22 10:10	02/28/22 22:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*02/28/22 10:10*	*02/28/22 22:14*	*1*
o-Terphenyl	*106*		*70 - 130*	*02/28/22 10:10*	*02/28/22 22:14*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1370**		5.00	2.00	mg/L			03/05/22 04:46	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0415**		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 17:53	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 17:53	1
Iron	**0.525**		0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 17:53	1
Manganese	**0.0970**		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 17:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**4830**		200	200	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 09:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S.Eunice

Job ID: 880-11718-1
SDG: 30049612

Client Sample ID: MWD-5-W-220224

Date Collected: 02/24/22 13:35
Date Received: 02/24/22 17:20

Lab Sample ID: 880-11718-21

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3.45	DJ	0.400	0.0816	mg/L			03/04/22 08:17	200
Toluene	0.00160	J	0.00200	0.000367	mg/L			03/03/22 16:06	1
Ethylbenzene	0.00745	J	0.00200	0.000657	mg/L			03/03/22 16:06	1
m-Xylene & p-Xylene	0.00141	J	0.00400	0.000629	mg/L			03/03/22 16:06	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 16:06	1
Xylenes, Total	0.00141	J	0.00400	0.000642	mg/L			03/03/22 16:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*03/03/22 16:06*	*1*
1,4-Difluorobenzene (Surr)	*174*	*S1+*	*70 - 130*		*03/03/22 16:06*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	3.46	J	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	19.2		4.45	0.880	mg/L			03/01/22 13:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.1		4.45	0.880	mg/L		02/28/22 14:50	03/02/22 04:22	1
Diesel Range Organics (Over C10-C28)	4.10	J	4.45	0.880	mg/L		02/28/22 14:50	03/02/22 04:22	1
Oil Range Organics (Over C28-C36)	<0.849	U	4.45	0.849	mg/L		02/28/22 14:50	03/02/22 04:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*02/28/22 14:50*	*03/02/22 04:22*	*1*
o-Terphenyl	*107*		*70 - 130*	*02/28/22 14:50*	*03/02/22 04:22*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	634		5.00	2.00	mg/L			03/05/22 04:58	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0119		0.00400	0.000246	mg/L		03/01/22 09:25	03/01/22 17:56	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/01/22 09:25	03/01/22 17:56	1
Iron	5.17		0.100	0.0227	mg/L		03/01/22 09:25	03/01/22 17:56	1
Manganese	0.253		0.00200	0.000199	mg/L		03/01/22 09:25	03/01/22 17:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	2300		200	200	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 09:45	1

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Chain of Custody

XENCO LABORATORIES
Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)

Wo

880-11745 Chain of Custody

3/10/2022

Project Manager:	Rebecca Andresen	Bill to: (if different)	
Company Name:	ARCADIS	Company Name:	
Address:	1004 N. Big Spring St.	Address:	
City, State ZIP:	Midland, TX. 79701	City, State ZIP:	
Phone:	303-471-3477	Email:	andrew.demarco@arcadis.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: New Mexico
Reporting:Level II [X] Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD [X] ADaPT ☐ Other:

Project Name:	Eunice Project- S. Eunice	Turn Around	
Project Number:	30049612	Routine ☐	
P.O. Number:		Rush:	
Sampler's Name:	Jerry Longwell/Daniel McGee	Due Date:	

SAMPLE RECEIPT	Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	1.4/1.5	Thermometer ID		
Received Intact:	(Yes) No			
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-.1	
Sample Custody Seals:	Yes No N/A	Total Containers:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX (EPA 8021B)	TPH (SW8015B)	Hex Chrome (SW7196A)	Dissolved Metals (SW6020_DIS): Chromium, Arsenic & Barium)	TDS (SM2540C)	Chlorides (EPA 300.0)
MWD-4-W-220225	W	02/25/22	0915		9	X	X	X	X	X	X
MWD-13-W-220225	W	02/25/22	1002		9	X	X	X	X	X	X
MWD-14-W-220225	W	02/25/22	1033		9	X	X	X	X	X	X
MW-25-W-220225	W	02/25/22	1110		9	X	X	X	X	X	X
DUP04-W-220225	W	02/25/22	—		9	X	X	X	X	X	X
MW-32-W-220225	W	02/25/22	0815		9	X	X	X	X	X	X
MW-28-W-220225	W	02/25/22	0850		9	X	X	X	X	X	X
MW-11-W-220225	W	02/25/22	0844		9	X	X	X	X	X	X
TMW-6W-220225	W	02/25/22	1009		9	X	X	X	X	X	X

ANALYSIS REQUEST

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		1520/2-25-22	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Received by OCD: 3/29/2023 1:18:07 PM
Released to Imaging: 4/10/2023 12:09:44 PM

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

Client Sample ID: MWD-4-W-220225

Date Collected: 02/25/22 09:15
Date Received: 02/25/22 15:20

Lab Sample ID: 880-11745-1

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00222**		0.00200	0.000408	mg/L			03/03/22 13:00	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/03/22 13:00	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/03/22 13:00	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 13:00	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 13:00	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 13:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*03/03/22 13:00*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*		*03/03/22 13:00*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00222**	**J**	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.887	U	4.49	0.887	mg/L			03/02/22 10:10	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.887	U	4.49	0.887	mg/L		02/28/22 14:50	03/01/22 23:00	1
Diesel Range Organics (Over C10-C28)	<0.887	U	4.49	0.887	mg/L		02/28/22 14:50	03/01/22 23:00	1
Oil Range Organics (Over C28-C36)	<0.856	U	4.49	0.856	mg/L		02/28/22 14:50	03/01/22 23:00	1
Total TPH	<0.887	U	4.49	0.887	mg/L		02/28/22 14:50	03/01/22 23:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*02/28/22 14:50*	*03/01/22 23:00*	*1*
o-Terphenyl	*104*		*70 - 130*	*02/28/22 14:50*	*03/01/22 23:00*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**90.9**		5.00	2.00	mg/L			03/08/22 21:52	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00264**	**J**	0.00400	0.000246	mg/L		03/02/22 10:00	03/02/22 17:55	1
Barium	**0.0751**		0.00400	0.000484	mg/L		03/02/22 10:00	03/02/22 17:55	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/02/22 10:00	03/02/22 17:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**952**		50.0	50.0	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 15:52	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

Client Sample ID: MWD-13-W-220225

Date Collected: 02/25/22 10:00
Date Received: 02/25/22 15:20

Lab Sample ID: 880-11745-2

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/03/22 13:27	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/03/22 13:27	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/03/22 13:27	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 13:27	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 13:27	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*		*03/03/22 13:27*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*		*03/03/22 13:27*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.890	U	4.50	0.890	mg/L			03/02/22 10:10	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.890	U	4.50	0.890	mg/L		02/28/22 14:50	03/01/22 23:22	1
Diesel Range Organics (Over C10-C28)	<0.890	U	4.50	0.890	mg/L		02/28/22 14:50	03/01/22 23:22	1
Oil Range Organics (Over C28-C36)	<0.859	U	4.50	0.859	mg/L		02/28/22 14:50	03/01/22 23:22	1
Total TPH	<0.890	U	4.50	0.890	mg/L		02/28/22 14:50	03/01/22 23:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*02/28/22 14:50*	*03/01/22 23:22*	*1*
o-Terphenyl	*105*		*70 - 130*	*02/28/22 14:50*	*03/01/22 23:22*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2210**		5.00	2.00	mg/L			03/08/22 22:27	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0556**		0.00400	0.000246	mg/L		03/02/22 10:00	03/02/22 17:58	1
Barium	**0.117**		0.00400	0.000484	mg/L		03/02/22 10:00	03/02/22 17:58	1
Chromium	**0.00218**	**J**	0.00400	0.000525	mg/L		03/02/22 10:00	03/02/22 17:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**7470**		500	500	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 15:52	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

Client Sample ID: MWD-14-W-220225

Date Collected: 02/25/22 10:38
Date Received: 02/25/22 15:20

Lab Sample ID: 880-11745-3

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.211**	D	0.200	0.0408	mg/L			03/05/22 15:53	100
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/03/22 17:52	1
Ethylbenzene	**0.0425**		0.00200	0.000657	mg/L			03/03/22 17:52	1
m-Xylene & p-Xylene	**0.00141**	**J**	0.00400	0.000629	mg/L			03/03/22 17:52	1
o-Xylene	**0.00161**	**J**	0.00200	0.000642	mg/L			03/03/22 17:52	1
Xylenes, Total	**0.00302**	**J**	0.00400	0.000642	mg/L			03/03/22 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*03/03/22 17:52*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*		*03/03/22 17:52*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.257**		0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.890	U	4.50	0.890	mg/L			03/02/22 10:10	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.890	U	4.50	0.890	mg/L		02/28/22 14:50	03/01/22 23:43	1
Diesel Range Organics (Over C10-C28)	<0.890	U	4.50	0.890	mg/L		02/28/22 14:50	03/01/22 23:43	1
Oil Range Organics (Over C28-C36)	<0.859	U	4.50	0.859	mg/L		02/28/22 14:50	03/01/22 23:43	1
Total TPH	<0.890	U	4.50	0.890	mg/L		02/28/22 14:50	03/01/22 23:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*02/28/22 14:50*	*03/01/22 23:43*	*1*
o-Terphenyl	*102*		*70 - 130*	*02/28/22 14:50*	*03/01/22 23:43*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**501**		5.00	2.00	mg/L			03/08/22 22:38	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.000476**	**J**	0.00400	0.000246	mg/L		03/02/22 10:00	03/02/22 18:01	1
Barium	**1.15**		0.00400	0.000484	mg/L		03/02/22 10:00	03/02/22 18:01	1
Chromium	**0.000888**	**J**	0.00400	0.000525	mg/L		03/02/22 10:00	03/02/22 18:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**2880**		200	200	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 15:52	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

Client Sample ID: MW-25-W-220225

Date Collected: 02/25/22 11:10
Date Received: 02/25/22 15:20

Lab Sample ID: 880-11745-4

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.959**	DJ	0.200	0.0408	mg/L			03/05/22 16:19	100
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/03/22 18:18	1
Ethylbenzene	**0.0183**	J	0.00200	0.000657	mg/L			03/03/22 18:18	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 18:18	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 18:18	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*		*03/03/22 18:18*	*1*
1,4-Difluorobenzene (Surr)	*138*	*S1+*	*70 - 130*		*03/03/22 18:18*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.977**	J	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.880	U	4.45	0.880	mg/L			03/02/22 10:10	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.880	U	4.45	0.880	mg/L		02/28/22 14:50	03/02/22 00:05	1
Diesel Range Organics (Over C10-C28)	<0.880	U	4.45	0.880	mg/L		02/28/22 14:50	03/02/22 00:05	1
OII Range Organics (Over C28-C36)	<0.849	U	4.45	0.849	mg/L		02/28/22 14:50	03/02/22 00:05	1
Total TPH	<0.880	U	4.45	0.880	mg/L		02/28/22 14:50	03/02/22 00:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*02/28/22 14:50*	*03/02/22 00:05*	*1*
o-Terphenyl	*108*		*70 - 130*	*02/28/22 14:50*	*03/02/22 00:05*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2410**		5.00	2.00	mg/L			03/08/22 22:49	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0126**		0.00400	0.000246	mg/L		03/02/22 10:00	03/02/22 18:04	1
Barium	**1.53**		0.00400	0.000484	mg/L		03/02/22 10:00	03/02/22 18:04	1
Chromium	**0.00142**	J	0.00400	0.000525	mg/L		03/02/22 10:00	03/02/22 18:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**5960**		500	500	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 15:52	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

Client Sample ID: DUP04-W-220225

Date Collected: 02/25/22 00:00
Date Received: 02/25/22 15:20

Lab Sample ID: 880-11745-5

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.19**	DJ	0.0200	0.00408	mg/L			03/04/22 20:52	10
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/03/22 18:45	1
Ethylbenzene	**0.0159**	J	0.00200	0.000657	mg/L			03/03/22 18:45	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/03/22 18:45	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 18:45	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/03/22 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*		*03/03/22 18:45*	*1*
1,4-Difluorobenzene (Surr)	*142*	*S1+*	*70 - 130*		*03/03/22 18:45*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**1.21**	J	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1.11**	**J**	4.45	0.880	mg/L			03/02/22 10:10	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**1.11**	**J**	4.45	0.880	mg/L		02/28/22 14:50	03/02/22 00:26	1
Diesel Range Organics (Over C10-C28)	<0.880	U	4.45	0.880	mg/L		02/28/22 14:50	03/02/22 00:26	1
Oil Range Organics (Over C28-C36)	<0.849	U	4.45	0.849	mg/L		02/28/22 14:50	03/02/22 00:26	1
Total TPH	**1.11**	**J**	4.45	0.880	mg/L		02/28/22 14:50	03/02/22 00:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*02/28/22 14:50*	*03/02/22 00:26*	*1*
o-Terphenyl	*119*		*70 - 130*	*02/28/22 14:50*	*03/02/22 00:26*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2450**		5.00	2.00	mg/L			03/08/22 23:01	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0122**		0.00400	0.000246	mg/L		03/02/22 10:00	03/02/22 18:08	1
Barium	**1.53**		0.00400	0.000484	mg/L		03/02/22 10:00	03/02/22 18:08	1
Chromium	**0.00148**	**J**	0.00400	0.000525	mg/L		03/02/22 10:00	03/02/22 18:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**6040**		500	500	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 15:52	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

Client Sample ID: MW-32-W-220225

Date Collected: 02/25/22 08:15
Date Received: 02/25/22 15:20

Lab Sample ID: 880-11745-6

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.595**	D J	0.0200	0.00408	mg/L			03/04/22 21:18	10
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/03/22 19:11	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/03/22 19:11	1
m-Xylene & p-Xylene	**0.000644**	**J**	0.00400	0.000629	mg/L			03/03/22 19:11	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/03/22 19:11	1
Xylenes, Total	**0.000644**	**J**	0.00400	0.000642	mg/L			03/03/22 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*		*03/03/22 19:11*	*1*
1,4-Difluorobenzene (Surr)	*131*	*S1+*	*70 - 130*		*03/03/22 19:11*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.596**	J	0.00400	0.000657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1.81**	**J**	4.49	0.887	mg/L			03/02/22 10:10	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.887	U	4.49	0.887	mg/L		02/28/22 14:50	03/02/22 00:48	1
Diesel Range Organics (Over C10-C28)	**1.81**	**J**	4.49	0.887	mg/L		02/28/22 14:50	03/02/22 00:48	1
Oil Range Organics (Over C28-C36)	<0.856	U	4.49	0.856	mg/L		02/28/22 14:50	03/02/22 00:48	1
Total TPH	**1.81**	**J**	4.49	0.887	mg/L		02/28/22 14:50	03/02/22 00:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*02/28/22 14:50*	*03/02/22 00:48*	*1*
o-Terphenyl	*103*		*70 - 130*	*02/28/22 14:50*	*03/02/22 00:48*	*1*

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**730**		5.00	2.00	mg/L			03/08/22 23:12	10

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0487**		0.00400	0.000246	mg/L		03/02/22 10:00	03/02/22 18:11	1
Barium	**2.37**		0.100	0.0121	mg/L		03/02/22 10:00	03/03/22 13:26	25
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/02/22 10:00	03/02/22 18:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**2680**		200	200	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 15:52	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

Client Sample ID: MW-26-W-220225

Date Collected: 02/25/22 08:50
Date Received: 02/25/22 15:20

Lab Sample ID: 880-11745-7

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.371**		0.0200	0.00408	mg/L			03/04/22 21:45	10
Toluene	<0.00367	U	0.0200	0.00367	mg/L			03/04/22 21:45	10
Ethylbenzene	<0.00657	U	0.0200	0.00657	mg/L			03/04/22 21:45	10
m-Xylene & p-Xylene	<0.00629	U	0.0400	0.00629	mg/L			03/04/22 21:45	10
o-Xylene	<0.00642	U	0.0200	0.00642	mg/L			03/04/22 21:45	10
Xylenes, Total	<0.00642	U	0.0400	0.00642	mg/L			03/04/22 21:45	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*03/04/22 21:45*	*10*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*		*03/04/22 21:45*	*10*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.371**		0.0400	0.00657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**4.31**	**J**	4.49	0.887	mg/L			03/02/22 10:10	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.887	U	4.49	0.887	mg/L		02/28/22 14:50	03/02/22 01:31	1
Diesel Range Organics (Over C10-C28)	**4.31**	**J**	4.49	0.887	mg/L		02/28/22 14:50	03/02/22 01:31	1
Oil Range Organics (Over C28-C36)	<0.856	U	4.49	0.856	mg/L		02/28/22 14:50	03/02/22 01:31	1
Total TPH	**4.31**	**J**	4.49	0.887	mg/L		02/28/22 14:50	03/02/22 01:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*02/28/22 14:50*	*03/02/22 01:31*	*1*
o-Terphenyl	*101*		*70 - 130*	*02/28/22 14:50*	*03/02/22 01:31*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**159**		0.500	0.200	mg/L			03/08/22 23:23	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0590**		0.00400	0.000246	mg/L		03/02/22 10:00	03/02/22 18:14	1
Barium	**4.81**		0.200	0.0242	mg/L		03/02/22 10:00	03/03/22 13:29	50
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/02/22 10:00	03/02/22 18:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1040**		50.0	50.0	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 15:52	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

Client Sample ID: MW-11-W-220225

Date Collected: 02/25/22 09:44
Date Received: 02/25/22 15:20

Lab Sample ID: 880-11745-8

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.25**		0.0200	0.00408	mg/L			03/04/22 22:11	10
Toluene	<0.00367	U	0.0200	0.00367	mg/L			03/04/22 22:11	10
Ethylbenzene	<0.00657	U	0.0200	0.00657	mg/L			03/04/22 22:11	10
m-Xylene & p-Xylene	**0.00689**	**J**	0.0400	0.00629	mg/L			03/04/22 22:11	10
o-Xylene	<0.00642	U	0.0200	0.00642	mg/L			03/04/22 22:11	10
Xylenes, Total	**0.00689**	**J**	0.0400	0.00642	mg/L			03/04/22 22:11	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*03/04/22 22:11*	*10*
1,4-Difluorobenzene (Surr)	*121*		*70 - 130*		*03/04/22 22:11*	*10*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**1.26**		0.0400	0.00657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1.26**	**J**	4.48	0.885	mg/L			03/02/22 10:10	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**1.26**	**J**	4.48	0.885	mg/L		02/28/22 14:50	03/02/22 01:53	1
Diesel Range Organics (Over C10-C28)	<0.885	U	4.48	0.885	mg/L		02/28/22 14:50	03/02/22 01:53	1
Oil Range Organics (Over C28-C36)	<0.854	U	4.48	0.854	mg/L		02/28/22 14:50	03/02/22 01:53	1
Total TPH	**1.26**	**J**	4.48	0.885	mg/L		02/28/22 14:50	03/02/22 01:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*02/28/22 14:50*	*03/02/22 01:53*	*1*
o-Terphenyl	*106*		*70 - 130*	*02/28/22 14:50*	*03/02/22 01:53*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**66.7**		0.500	0.200	mg/L			03/08/22 23:35	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0290**		0.00400	0.000246	mg/L		03/02/22 10:00	03/02/22 18:17	1
Barium	**1.14**		0.00400	0.000484	mg/L		03/02/22 10:00	03/02/22 18:17	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/02/22 10:00	03/02/22 18:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**826**		50.0	50.0	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 15:52	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice Project-S. Eunice

Job ID: 880-11745-1
SDG: 30019612

Client Sample ID: TMW-6-W-220225

Date Collected: 02/25/22 10:09
Date Received: 02/25/22 15:20

Lab Sample ID: 880-11745-9

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00435**	**J**	0.0200	0.00408	mg/L			03/04/22 22:38	10
Toluene	<0.00367	U	0.0200	0.00367	mg/L			03/04/22 22:38	10
Ethylbenzene	<0.00657	U	0.0200	0.00657	mg/L			03/04/22 22:38	10
m-Xylene & p-Xylene	<0.00629	U	0.0400	0.00629	mg/L			03/04/22 22:38	10
o-Xylene	<0.00642	U	0.0200	0.00642	mg/L			03/04/22 22:38	10
Xylenes, Total	<0.00642	U	0.0400	0.00642	mg/L			03/04/22 22:38	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*03/04/22 22:38*	*10*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*		*03/04/22 22:38*	*10*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00657	U	0.0400	0.00657	mg/L			03/09/22 20:26	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.887	U	4.49	0.887	mg/L			03/02/22 10:10	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.887	U	4.49	0.887	mg/L		02/28/22 14:50	03/02/22 02:14	1
Diesel Range Organics (Over C10-C28)	<0.887	U	4.49	0.887	mg/L		02/28/22 14:50	03/02/22 02:14	1
Oil Range Organics (Over C28-C36)	<0.856	U	4.49	0.856	mg/L		02/28/22 14:50	03/02/22 02:14	1
Total TPH	<0.887	U	4.49	0.887	mg/L		02/28/22 14:50	03/02/22 02:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*02/28/22 14:50*	*03/02/22 02:14*	*1*
o-Terphenyl	*103*		*70 - 130*	*02/28/22 14:50*	*03/02/22 02:14*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**112**		0.500	0.200	mg/L			03/08/22 23:46	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0713**		0.00400	0.000246	mg/L		03/02/22 10:00	03/02/22 18:20	1
Barium	**0.868**		0.00400	0.000484	mg/L		03/02/22 10:00	03/02/22 18:20	1
Chromium	<0.000525	U	0.00400	0.000525	mg/L		03/02/22 10:00	03/02/22 18:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1090**		50.0	50.0	mg/L			03/01/22 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00273	U	0.0100	0.00273	mg/L			02/25/22 15:52	1

ARCADIS

Chevron South Eunice

DATA REVIEW

South Eunice, Eunice, New Mexico

Volatiles, TPH, Metals and Miscellaneous Analyses

SDGs # 880-19715-1, 880-19788-1 and 880-19832-1

Analyses Performed By:
Eurofins, Laboratories
Midland, El Paso, and Houston TX

Report #47651R
Review Level: Tier II
Project: 30129293.00003 GEC

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Groups (SDGs) # 880-19715-1, 880-19788-1 and 880-19832-1 for samples collected in association with the Chevron South Eunice Site. The review was conducted as a Tier II evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets and chain of custody. Analyses were performed on the following samples:

SDGs	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis			
						VOC	TPH	MET	MISC
880-19715-1	MW-35-W-220927	880-19715-1	Water	09/27/2022		X	X	X	X
	MW-38-W-220927	880-19715-2	Water	09/27/2022		X	X	X	X
	MW-15-W-220927	880-19715-3	Water	09/27/2022		X	X	X	X
	DUP-1-W-220927	880-19715-4	Water	09/27/2022	MW-15-W-220927	X	X	X	X
	MW-16-W-220927	880-19715-5	Water	09/27/2022		X	X	X	X
	MWD-13-W-220927	880-19715-6	Water	09/27/2022		X	X	X	X
	MW-32-W-220927	880-19715-7	Water	09/27/2022		X	X	X	X
	MW-29-W-220927	880-19715-8	Water	09/27/2022		X	X	X	X
	MW-30-W-220927	880-19715-9	Water	09/27/2022		X	X	X	X
	MW-34-W-220927	880-19715-10	Water	09/27/2022		X	X	X	X
	DUP-2-W-220927	880-19715-11	Water	09/27/2022	MW-34-W-220927	X	X	X	X
880-19788-1	MW-17-W-220928	880-19788-1	Water	09/28/2022		X	X	X	X
	MWD-15-W-220928	880-19788-2	Water	09/28/2022		X	X	X	X
	MWD-3-W-220928	880-19788-3	Water	09/28/2022		X	X	X	X
	RW-6-W-220928	880-19788-4	Water	09/28/2022		X	X	X	X
880-19832-1	MW-26-W-220929	880-19832-1	Water	09/29/2022		X	X	X	X
	MW-24-W-220929	880-19832-2	Water	09/29/2022		X	X	X	X
	MW-11-W-220929	880-19832-3	Water	09/29/2022		X	X	X	X
	MW-25-W-220929	880-19832-4	Water	09/29/2022		X	X	X	X
	MWD-14-W-220929	880-19832-5	Water	09/29/2022		X	X	X	X

Notes:
VOC = volatile organic compounds.
TPH = total petroleum hydrocarbons.
MET = metals.
MISC = miscellaneous includes hexavalent chromium, chloride and total dissolved solids.

DATA REVIEW REPORT

ANALYTICAL DATA PACKAGE DOCUMENTATION

The table below is the evaluation of the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed Chain-of-Custody (COC) form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data Package Completeness and Compliance		X		X	

Note:
QA - Quality Assurance

DATA REVIEW REPORT

ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Methods 8021B and 8015B. Data were reviewed in accordance with USEPA National Functional Guidelines NFG for Organic Superfund Methods Data Review, EPA-540-R-20-005 (November 2020), with reference to the historical (USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, OSWER 9240.1-05A-P, October 1999, as appropriate).

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
  - U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
  - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers
  - E The compound was quantitated above the calibration range.
  - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
  - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
  - UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
  - JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
  - UB Compound considered non-detect at the listed value due to associated blank contamination.
  - N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
  - R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound

concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

DATA REVIEW REPORT

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8021B	Water	14 days from collection to analysis (preserved) 7 days from collection to analysis (non-preserved)	Cool to <6 °C; preserved to a pH of less than 2 s.u.

Note:
s.u. = standard units
SDGs #: 880-19715-1, 880-19788-1 and 880-19832-1: All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

SDGs #: 880-19832-1: Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

SDGs #: 880-19715-1, 880-19788-1 and 880-19832-1: All compounds associated with the QA blanks exhibited a concentration less than the MDL, with the exception of the compounds listed in the following table. Sample results associated with QA blank contamination that were greater than the BAL resulted in the removal of the laboratory qualifier (B) of data. Sample results less than the BAL associated with the following sample locations were qualified as listed in the following table.

SDG No.	Sample ID	Analytes	Sample Result	Qualification
880-19715-1	MW-29-W-220927	m-Xylene & p-Xylene (MB)	Detected sample results <RL and <BAL	"UB" at the RL
		Xylenes, Total (MB)	Detected sample results <RL and <BAL	"UB" at the RL
	MW-30-W-220927	Benzene (MB)	Detected sample results <RL and <BAL	"UB" at the RL
	DUP-2-W-220927	Benzene (MB)	Detected sample results >RL and <BAL	"UB" at detected sample concentration
880-19788-1	MWD-15-W-220928	m-Xylene & p-Xylene (MB)	Detected sample results >RL and <BAL	"UB" at detected sample concentration

Note:
MB – Method blank
RL - Reporting limit

3. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

SDGs # 880-19715-1, 880-19788-1 and 880-19832-1: All samples exhibited surrogate recoveries within the control limits with the exceptions noted below.

SDGs	Sample ID	Surrogate	Recovery
880-19715-1	MW-29-W-220927	1,4-Difluorobenzene	> UL
880-19788-1	MWD-15-W-220928	4-Bromofluorobenzene	> UL
	MWD-3-W-220928	1,4-Difluorobenzene	> UL
880-19832-1	MW-24-W-220929	1,4-Difluorobenzene	> UL

The criteria used to evaluate the surrogate recoveries are presented in the following table. In the case of a surrogate deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> UL	Non-detect	No Action
	Detect	J
< LL but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J
Surrogates diluted below the calibration curve due to the high concentration of a target compounds	Non-detect	UJ[1]
	Detect	J[1]

Note:

[1] A more concentrated analysis was not performed with surrogate compounds within the calibration range; therefore determination of extraction efficiency could be made.

4. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analyses

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

SDGs # 880-19715-1, 880-19788-1 and 880-19832-1: The MS/MSD analysis was not performed on samples from these SDGs.

5. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

SDG# 880-19832-1: The LCS/LCSD analysis exhibited acceptable recoveries and RPDs.

SDGs# 880-19715-1 and 880-19788-1: All compounds associated with the LCS/LCSD analysis exhibited recoveries within the control limits.

SDG No.	Sample ID	Compound	LCS Recovery	LCSD Recovery
880-19715-1	MW-35-W-220927	Ethylbenzene	AC	>UL
		m-Xylene & p-Xylene	AC	>UL
		o-Xylene	>UL	>UL
	MW-38-W-220927 MW-15-W-220927 DUP-1-W-220927 MW-16-W-220927 MWD-13-W-220927 MW-32-W-220927 MW-29-W-220927 MW-30-W-220927 MW-34-W-220927 DUP-2-W-220927	o-Xylene	>UL	Not performed
880-19788-1	MW-17-W-220928	o-Xylene	AC	>UL
	MWD-15-W-220928			
	MWD-3-W-220928			
	RW-6-W-220928			
	MWD-12-W-220928			

The criteria used to evaluate the LCS/LCSD recoveries are presented in the following table. In the case of an LCS/LCSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J

Sample locations associated with LCS/LCSD recoveries exhibiting an RPD greater than of the control limit presented in the following table.

SDG No.	Sample ID	Compound
880-19715-1	MW-29-W-220927	o-Xylene
880-19788-1	MWD-3-W-220928	
	RW-6-W-220928	
	MWD-12-W-220928	

The criteria used to evaluate the RPD between the LCS/LCSD recoveries are presented in the following table. In the case of an RPD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> UL	Non-detect	UJ
	Detect	J

6. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

Results for duplicate samples are summarized in the following table.

SDGs	Sample ID/Duplicate ID	Compounds	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD
880-19715-1	MW-15-W-220927 / DUP-1-W-220927	All compounds	U	U	AC
	MW-34-W-220927 / DUP-2-W-220927	Benzene	0.00346	0.00277	AC
		Total BTEX	0.00346 J	0.00277 J	AC

Notes:
AC = acceptable
U= Non detect

The calculated RPDs between the parent sample and field duplicates were acceptable.

7. System Performance and Overall Assessment

SDGs #: 880-19715-1, 880-19788-1 and 880-19832-1: Sample results associated with compound that exhibited a concentration greater than the linear range of the instrument calibration are summarized in the following table.

SDGs	Sample ID	Compounds	Original Analysis	Diluted Analysis	Reported Analysis
880-19715-1	MW-29-W-220927	o-Xylene	--	0.214	0.214 D
880-19788-1	MWD-3-W-220928	Benzene	--	1.17	1.17 D
880-19832-1	MW-24-W-220929	Benzene	--	13.4	13.4 D
	MW-11-W-220929	Benzene	--	5.19	5.19 D

Note: In the instance where both the original analysis and the diluted analysis sample results exhibited a concentration greater than and/or less than the calibration linear range of the instrument; the sample result exhibiting the greatest concentration will be reported as the final result.

Sample results associated with compounds exhibiting concentrations greater than the linear range are qualified as documented in the table below when reported as the final reported sample result.

Reported Sample Results	Qualification
Diluted sample result within calibration range	D
Diluted sample result less than the calibration range	DJ
Diluted sample result greater than the calibration range	EDJ
Original sample result greater than the calibration range	EJ

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA REVIEW REPORT

DATA VALIDATION CHECKLIST FOR VOCs

VOCs: SW-846 8021B	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY (GC)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X	X		
B. Equipment blanks	X				X
C. Trip blanks	X				X
Laboratory Control Sample (LCS)		X	X		
Laboratory Control Sample Duplicate (LCSD)		X	X		
LCS/LCSD Precision (RPD)		X	X		
Matrix Spike (MS)	X				X
Matrix Spike Duplicate (MSD)	X				X
MS/MSD Precision (RPD)	X				X
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X	X		
Dilution Factor		X		X	

Notes:

%R = Percent recovery

RPD = Relative percent difference

DATA REVIEW REPORT

TPH ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
GRO by Method SW-846 8015	Water	14 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C
DRO by Method SW-846 8015	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C

SDGs # 880-19715-1, 880-19788-1 and 880-19832-1: All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

SDG # 880-19715-1, 880-19788-1 880-19832-1: Compounds were detected in the associated QA blanks; however, the associated sample results were non-detect and greater than BAL. Therefore, sample results greater than the BAL resulted in the removal of the laboratory qualifier (B). No other qualification of the sample results was required.

3. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. The analysis requires surrogate compounds exhibit recoveries within the laboratory-established acceptance limits.

SDGs # 880-19715-1, 880-19788-1 and 880-19832-1: All surrogate recoveries were within control limits.

4. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analyses

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

SDG # 880-19715-1: The MS/MSD analysis was performed on sample ID MW-35-W-220927. MS/MSD analysis exhibited acceptable recoveries and RPDs with the exceptions noted below.

Sample ID	Compound	MS Recovery	MSD Recovery
MW-35-W-220927	Diesel Range Organics (Over C10-C28)	<LL but >10%	<LL but >10%

Note:
AC = Acceptable

SDG # 880-19832-1: The MS/MSD analysis was performed on sample ID MW-35-W-220927. MS/MSD analysis exhibited acceptable recoveries and RPDs with the exceptions noted below.

Sample ID	Compound	MS Recovery	MSD Recovery
MWD-14-W-220929	Diesel Range Organics (Over C10-C28)	<LL but >10%	<LL but >10%

Note:
AC = Acceptable

The criteria used to evaluate the MS/MSD recoveries are presented in the following table. In the case of an MS/MSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J
Parent sample concentration > four times the MS/MSD spiking solution concentration (D).	Detect	No Action
	Non-detect	

SDGs # 880-19788-1: The MS/MSD analysis was not performed on samples from this SDG.

5. Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate Analysis (LCSD)

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery and RPDs within the laboratory-established acceptance limits.

SDGs # 880-19715-1, 880-19788-1 and 880-19832-1: All compounds associated with the LCS/LCSD analysis exhibited recoveries and RPDs within the control limits.

6. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

Results for duplicate samples are summarized in the following table.

SDGs	Sample ID/Duplicate ID	Compounds	Sample Result (mg/l)	Duplicate Result (mg/l)	RPD
880-19715-1	MW-15-W-220927 / DUP-1-W-220927	All compounds	U	U	AC
	MW-34-W-220927 / DUP-2-W-220927				

Notes:
U =Non detect
AC = acceptable

The calculated RPDs between the parent sample and field duplicates were acceptable.

7. System Performance and Overall Assessment

880-19715-1, 880-19788-1 and 880-19832-1: Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA REVIEW REPORT

DATA VALIDATION CHECKLIST FOR TPH

TPH: SW-846 8015	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY (GC/FID)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X	X		
B. Equipment blanks	X				X
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS) %R		X	X		
Matrix Spike Duplicate (MSD) %R		X	X		
MS/MSD Precision (RPD)		X	X		
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	

Notes:
%R - percent recovery
RPD - relative percent difference

DATA REVIEW REPORT

INORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Methods 6020A, 7196A, EPA 300, SM 2540C. Data were reviewed in accordance with USEPA National Functional Guidelines NFG for Inorganic Superfund Methods Data Review, EPA-540-R-20-006 (November 2020), with reference to the historical (USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, OSWER 9240.1-05A-P, October 2004, as appropriate).

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and that it was already subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with the USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
  - U The analyte was analyzed for but not detected. The associated value is the analyte instrument detection limit.
  - J The reported value was obtained from a reading less than the reporting limit (RL), but greater than or equal to the method detection limit (MDL).
- Quantitation (Q) Qualifiers
  - E The reported value is estimated due to the presence of interference.
  - N Spiked sample recovery is not within control limits.
  - * Duplicate analysis is not within control limits.
- Validation Qualifiers
  - J The analyte was positively identified; however, the associated numerical value is an estimated concentration only.
  - UJ The analyte was not detected above the reporting limit. However, the reported limit is approximate and may or may not represent the actual limit of detection.
  - UB Analyte considered non-detect at the listed value due to associated blank contamination.
  - R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

DATA REVIEW REPORT

METALS ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 6020A	Water	180 days from collection to analysis	Preserved to a pH of less than 2.

SDGs # 880-19715-1, 880-19788-1 and 880-19832-1: All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

SDGs# 880-19715-1, 880-19788-1 and 880-19832-1**:** All analytes were not detected above the SDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Matrix Spike/Matrix Spike Duplicate (MS/MSD)/Laboratory Duplicate Analysis

MS/MSD and laboratory duplicate data are used to assess the precision and accuracy of the analytical method.

3.1 MS/MSD Analysis

All metal analytes must exhibit a percent recovery within the established acceptance limits of 75% to 125%. The MS/MSD recovery control limits do not apply for MS performed on sample locations where the analyte's concentration detected in the parent sample exceeds the MS concentration by a factor of four or greater. In instance where this is true, the data will not be qualified even if the percent recovery does not meet the control limits and the laboratory flag will be removed.

SDGs# 880-19715-1, 880-19788-1 and 880-19832-1: The MS/MSD analysis was not performed on samples from this SDG.

3.2 Laboratory Duplicate Analysis

The laboratory duplicates relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to 5 times the RL. A control limit of 20% for water matrices and 35% for soil matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of one times the RL is applied for water matrices and two times the RL for soil matrices.

SDGs# 880-19715-1, 880-19788-1 and 880-19832-1: Laboratory duplicate analysis was not performed for the samples from this SDGs.

4. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices and 50% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices or three times the RL is applied for soil matrices.

Results for duplicate samples are summarized in the following table.

SDGs	Sample ID/Duplicate ID	Analytes	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD
880-19715-1	MW-15-W-220927 / DUP-1-W-220927	Arsenic	0.0124	0.0117	AC
		Barium	0.0392	0.0319	20.5%
		Chromium	0.000663 J	0.000958 J	AC
	MW-34-W-220927 / DUP-2-W-220927	Arsenic	0.000976 J	0.000890 J	AC
		Barium	4.83	4.65	3.8%

Notes:
AC = acceptable

The calculated RPDs between the parent sample and field duplicates were acceptable.

5. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The analytes associated with the LCS/LCSD analysis must exhibit a percent recovery between the control limits of 80% and 120% and RPDs within the laboratory-established acceptance limits.

SDGs # 880-19715-1, 880-19788-1 and 880-19832-1: The LCS/LCSD analysis exhibited recoveries and RPDs within the control limits.

6. System Performance and Overall Assessment

SDGs # 880-19715-1, 880-19788-1 and 880-19832-1: Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA REVIEW REPORT

DATA VALIDATION CHECKLIST FOR METAL

METALS; SW-846 6020A	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)					
Tier II Validation					
Holding Times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Instrument Blanks	X				X
B. Method Blanks		X		X	
C. Equipment/Field Blanks	X				X
Laboratory Control Sample (LCS)		X		X	
Laboratory Control Sample Duplicate (LCSD) %R		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS) %R	X				X
Matrix Spike Duplicate (MSD) %R	X				X
MS/MSD Precision (RPD)	X				X
Field/Lab Duplicate (RPD)		X		X	
Reporting Limit Verification		X		X	

Notes:
%R Percent recovery
RPD Relative percent difference
%D Percent difference

DATA REVIEW REPORT

GENERAL CHEMISTRY ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
Hexavalent chromium by SW-846 7196A	Water	24 hours from collection to analysis	Cool to <6 °C.
Chloride by EPA 300.0	Water	28 days from collection to analysis	Cool to <6 °C.
Total Dissolved Solids by SM 2540C	Water	7 days from collection to analysis	Cool to <6 °C.

SDGs # 880-19715-1, 880-19788-1 and 880-19832-1: All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

SDGs # 880-19715-1 and 880-19832-1: All analytes were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

SDG # 880-19788-1: Chloride was detected in the associated QA blanks; however, the associated sample results were non-detect and greater than BAL. Therefore, sample results greater than the BAL resulted in the removal of the laboratory qualifier (B). No other qualification of the sample results was required.

3. Matrix Spike (MS)/Laboratory Duplicate Analysis

MS and laboratory duplicate data are used to assess the precision and accuracy of the analytical method.

3.1 MS/MSD Analysis

All analytes must exhibit a percent recovery within the established acceptance limits of 75% to 125%. The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the analyte's concentration detected in the parent sample exceeds the MS concentration by a factor of four or greater. In instance where this is true, the data will not be qualified even if the percent recovery does not meet the control limits and the laboratory flag will be removed.

SDG# 880-19715-1: MS/MSD analysis was performed on sample ID MW-35-W-220927 and MW-30-W-220927 for hexavalent chromium analysis. MS/MSD analysis exhibited recoveries and RPDs within the control limits.

SDG# 880-19788-1: MS/MSD analysis was performed on sample ID MW-17-W-220928 for hexavalent chromium analysis. MS/MSD analysis exhibited recoveries and RPDs within the control limits.

SDG# 880-19832-1: MS/MSD analysis was performed on sample ID MW-26-W-220929 for hexavalent chromium analysis. MS/MSD analysis exhibited recoveries and RPDs within the control limits.

3.2 Laboratory Duplicate Analysis

The laboratory duplicates relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to 5 times the RL. A control limit of 20% for water matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of one time the RL is applied for water matrices.

SDG # 880-19715-1: The laboratory duplicate analysis was performed on sample MW-34-W-220927 for total dissolved solids, exhibited RPD within the control limit.

SDG # 880-19788-1: The laboratory duplicate analysis was performed on sample MW-17-W-220928 for total dissolved solids exhibited RPD within the control limit.

SDG # 880-19832-1: The laboratory duplicate analysis was performed on sample MW-24-W-220929 for total dissolved solids exhibited RPD within the control limit.

4. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices or three times the RL is applied for soil matrices.

Results for duplicate samples are summarized in the following table.

SDGs	Sample ID/Duplicate ID	Analytes	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD
880-19715-1	MW-15-W-220927 / DUP-1-W-220927	Chloride	1260	1260	0.0%
		Total Dissolved Solids	3280	3320	1.2%
	MW-34-W-220927 / DUP-2-W-220927	Chloride	252	253	0.4%
		Total Dissolved Solids	1500	1520	1.3%

The calculated RPDs between the parent sample and field duplicates were acceptable.

5. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The analytes associated with the LCS/LCSD analysis must exhibit a percent recovery between the control limits of 80% and 120% and RPDs within the laboratory-established acceptance limits.

SDGs # 880-19715-1, 880-19788-1 and 880-19832-1: The LCS/LCSD analysis exhibited recoveries and RPDs within the control limits.

6. System Performance and Overall Assessment

SDGs # 880-19715-1, 880-19788-1 and 880-19832-1: Overall system performance was acceptable.
Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA REVIEW REPORT

DATA VALIDATION CHECKLIST FOR GENERAL CHEMISTRY

General Chemistry: SW7196A, EPA 300.0 and SM 2540C	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Miscellaneous Instrumentation					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks	X				X
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Dilution Factor		X		X	

Notes:
%RSD – Relative standard deviation
%R - Percent recovery
RPD - Relative percent difference

DATA REVIEW REPORT

VALIDATION PERFORMED BY: Prashanth K

SIGNATURE:

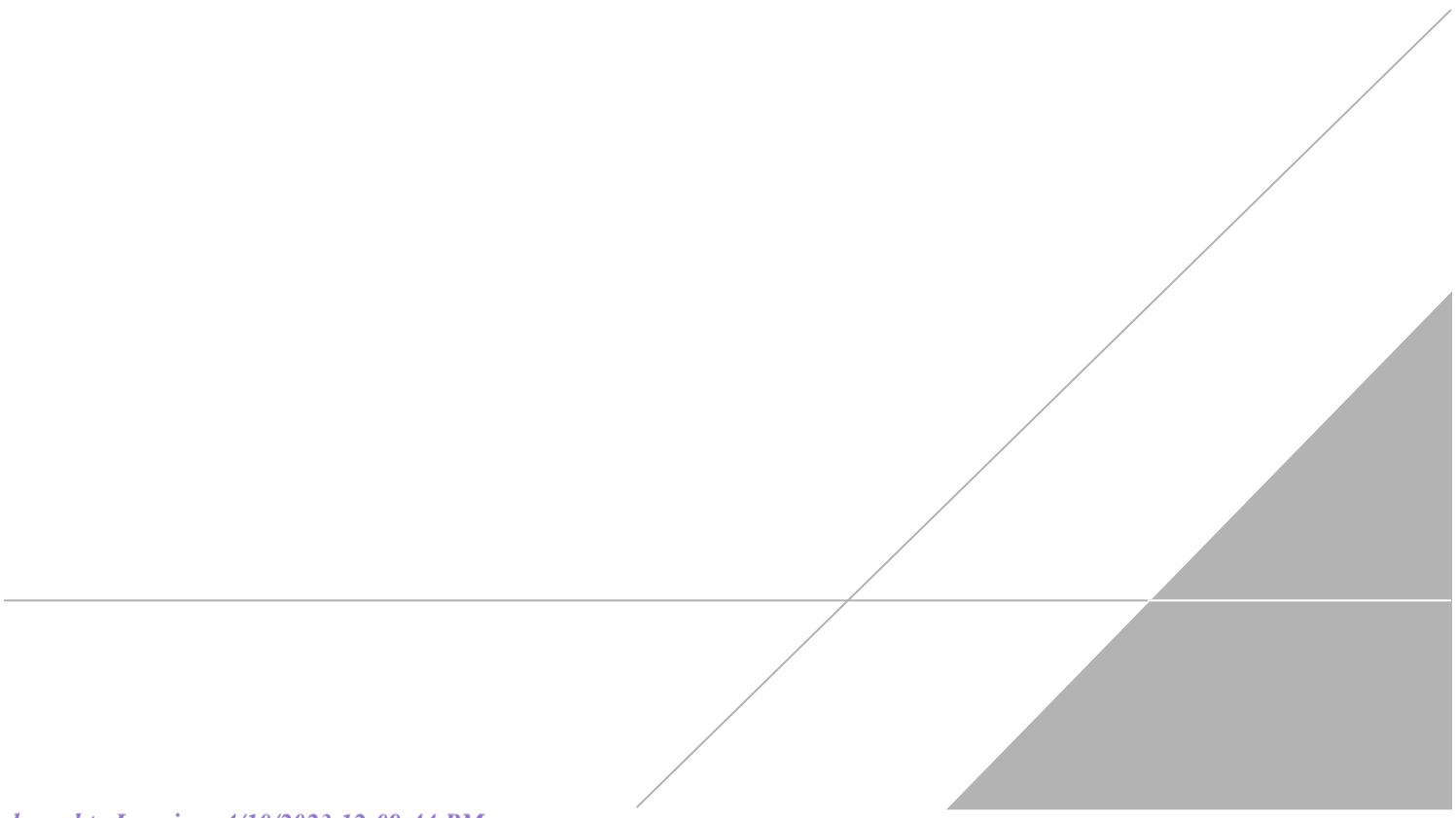
DATE: November 18, 2022

PEER REVIEW: Dennis Capria

DATE: December 1, 2022

CHAIN OF CUSTODY

CORRECTED SAMPLE ANALYSIS DATA SHEETS



Released to Imaging: 4/10/2023 12:09:44 PM
Received by OCD: 3/29/2023 1:18:07 PM

Eurofins Midland
1211 W Florida Ave
Midland TX 79701
Phone (432) 704-5440

Chain of Custody Record

eurofins Environment Testing America

19715

Client Information	Sampler: Daniel McGee	Lab PM: Builes John	Carrier Tracking No(s):	COC No: 880-3910-441 1
Client Contact: Andrew DeMarco	Phone: 432-999-7980	E-Mail: John Builes@et eurofinsus com	State of Origin:	Page: Page 1 of 2
Company: ARCADIS U S Inc.	PWSID:			Job #:
Address: 1004 North Big Spring Suite 300	Due Date Requested:			
City: Midland	TAT Requested (days): Standard			
State Zip: TX 79701	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: Andrew DeMarco@arcadis com	WO #:			
Project Name: Eunice South	Project #: 88000209			
Site: South Eunice	SSOW#:			

Analysis Requested

Preservation Codes

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F - MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D, 6020A, 7196A, 2340C - Calcd	2540C_Calcd - Local Method - Boron (Filtered)	8015MOD_NM - (MOD) Full TPH	8021B - BTEX	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A	A		
MW-~~11~~ 35-W 220927	9-27-22	0945	G	Water			X	X	X	X		
MW-~~15~~ 38-W 220927	9-27-22	1015	G	Water			X	X	X	X		
MW-~~16~~ 15-W-220927	9-27-22	1100	G	Water			X	X	X	X		
~~MW-17~~ DUP-1-W-220927	9-27-22	—	G	Water			X	X	X	X		
MW-~~24~~ 16-W-220927	9-27-22	1130	G	Water			X	X	X	X		
~~MW-25~~ ~~13-W-22~~ MW0-13-W-220927	9-27-22	1230	G	Water			X	X	X	X		
MW-~~26~~ 32-W-220927	9-27-22	1255	G	Water			X	X	X	X		
MW-~~29~~ 29-W-220927	9-27-22	1345	G	Water			X	X	X	X		
MW-30-W-220927	9-27-22	1415	G	Water			X	X	X	X		
MW-~~32~~ 34-W-220927	9-27-22	1435	G	Water			X	X	X	X		
~~MW-34~~ DUP-2-W-220927	9-27-22	—	G	Water			X	X	X	X		

880-19715 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
		9-27-22 / 1720	Arcadis			
	Relinquished by	Date/Time:	Company	Received by	Date/Time	Company
	Relinquished by	Date/Time:	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks: 1.2°C

Ver: 01/16/2019

Definitions/Glossary

Client: ARCADIS U.S., Inc. Job ID: 880-19715-1
Project/Site: Eunice South SDG: South Eunice

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive

Definitions/Glossary

Client: ARCADIS U.S., Inc. Job ID: 880-19715-1
Project/Site: Eunice South SDG: South Eunice

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Client Sample ID: MW-35-W-220927

Date Collected: 09/27/22 09:45
Date Received: 09/27/22 17:20

Lab Sample ID: 880-19715-1

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			10/05/22 17:21	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/05/22 17:21	1
Ethylbenzene	<0.000657	U ~~F1~~	0.00200	0.000657	mg/L			10/05/22 17:21	1
m-Xylene & p-Xylene	<0.000629	U ~~F1~~	0.00400	0.000629	mg/L			10/05/22 17:21	1
o-Xylene	<0.000642	U ~~F1~~	0.00200	0.000642	mg/L			10/05/22 17:21	1
Xylenes, Total	<0.000642	U ~~F1~~	0.00400	0.000642	mg/L			10/05/22 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*		*10/05/22 17:21*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*		*10/05/22 17:21*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			10/06/22 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.904	U	4.57	0.904	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.904	U	4.57	0.904	mg/L		09/30/22 16:46	10/01/22 12:49	1
Diesel Range Organics (Over C10-C28)	<0.904	U ~~F1~~ UJ	4.57	0.904	mg/L		09/30/22 16:46	10/01/22 12:49	1
OII Range Organics (Over C28-C36)	<0.872	U	4.57	0.872	mg/L		09/30/22 16:46	10/01/22 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*09/30/22 16:46*	*10/01/22 12:49*	*1*
o-Terphenyl	*97*		*70 - 130*	*09/30/22 16:46*	*10/01/22 12:49*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**138**		0.500	0.200	mg/L			10/04/22 23:26	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00869**		0.00400	0.000290	mg/L		10/03/22 09:30	10/04/22 04:17	1
Barium	**0.0866**		0.00400	0.00134	mg/L		10/03/22 09:30	10/04/22 04:17	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/03/22 09:30	10/04/22 04:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**917**		10.0	10.0	mg/L			10/04/22 14:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/27/22 17:59	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Client Sample ID: MW-38-W-220927

Date Collected: 09/27/22 10:15
Date Received: 09/27/22 17:20

Lab Sample ID: 880-19715-2

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			10/07/22 17:12	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/07/22 17:12	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/07/22 17:12	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/07/22 17:12	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			10/07/22 17:12	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/07/22 17:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*		*10/07/22 17:12*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*		*10/07/22 17:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			10/06/22 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.904	U	4.57	0.904	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.904	U	4.57	0.904	mg/L		09/30/22 16:46	10/01/22 13:50	1
Diesel Range Organics (Over C10-C28)	<0.904	U	4.57	0.904	mg/L		09/30/22 16:46	10/01/22 13:50	1
OII Range Organics (Over C28-C36)	<0.872	U	4.57	0.872	mg/L		09/30/22 16:46	10/01/22 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*09/30/22 16:46*	*10/01/22 13:50*	*1*
o-Terphenyl	*98*		*70 - 130*	*09/30/22 16:46*	*10/01/22 13:50*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1000**		5.00	2.00	mg/L			10/04/22 23:40	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00682**		0.00400	0.000290	mg/L		10/03/22 09:30	10/04/22 04:20	1
Barium	**0.0726**		0.00400	0.00134	mg/L		10/03/22 09:30	10/04/22 04:20	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/03/22 09:30	10/04/22 04:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1990**		40.0	40.0	mg/L			10/04/22 14:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/27/22 17:59	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Client Sample ID: MW-15-W-220927

Date Collected: 09/27/22 11:00
Date Received: 09/27/22 17:20

Lab Sample ID: 880-19715-3

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			10/07/22 17:33	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/07/22 17:33	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/07/22 17:33	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/07/22 17:33	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			10/07/22 17:33	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/07/22 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*10/07/22 17:33*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*		*10/07/22 17:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			10/06/22 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.904	U	4.57	0.904	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.904	U	4.57	0.904	mg/L		09/30/22 16:46	10/01/22 14:10	1
Diesel Range Organics (Over C10-C28)	<0.904	U	4.57	0.904	mg/L		09/30/22 16:46	10/01/22 14:10	1
OII Range Organics (Over C28-C36)	<0.872	U	4.57	0.872	mg/L		09/30/22 16:46	10/01/22 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*09/30/22 16:46*	*10/01/22 14:10*	*1*
o-Terphenyl	*120*		*70 - 130*	*09/30/22 16:46*	*10/01/22 14:10*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1260**		5.00	2.00	mg/L			10/04/22 23:54	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0124**		0.00400	0.000290	mg/L		10/03/22 09:30	10/04/22 04:23	1
Barium	**0.0392**		0.00400	0.00134	mg/L		10/03/22 09:30	10/04/22 04:23	1
Chromium	**0.000663**	**J**	0.00400	0.000560	mg/L		10/03/22 09:30	10/04/22 04:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**3280**		40.0	40.0	mg/L			10/04/22 14:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/27/22 17:59	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Client Sample ID: DUP-1-W-220927

Date Collected: 09/27/22 00:00
Date Received: 09/27/22 17:20

Lab Sample ID: 880-19715-4

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			10/07/22 17:54	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/07/22 17:54	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/07/22 17:54	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/07/22 17:54	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			10/07/22 17:54	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/07/22 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*10/07/22 17:54*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*		*10/07/22 17:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			10/06/22 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.901	U	4.56	0.901	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.901	U	4.56	0.901	mg/L		09/30/22 16:46	10/01/22 14:30	1
Diesel Range Organics (Over C10-C28)	<0.901	U	4.56	0.901	mg/L		09/30/22 16:46	10/01/22 14:30	1
OII Range Organics (Over C28-C36)	<0.869	U	4.56	0.869	mg/L		09/30/22 16:46	10/01/22 14:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*09/30/22 16:46*	*10/01/22 14:30*	*1*
o-Terphenyl	*99*		*70 - 130*	*09/30/22 16:46*	*10/01/22 14:30*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1260**		5.00	2.00	mg/L			10/05/22 00:36	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0117**		0.00400	0.000290	mg/L		10/03/22 09:30	10/04/22 04:26	1
Barium	**0.0319**		0.00400	0.00134	mg/L		10/03/22 09:30	10/04/22 04:26	1
Chromium	**0.000958**	**J**	0.00400	0.000560	mg/L		10/03/22 09:30	10/04/22 04:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**3320**		40.0	40.0	mg/L			10/04/22 14:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/27/22 17:59	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Client Sample ID: MW-16-W-220927

Date Collected: 09/27/22 11:30
Date Received: 09/27/22 17:20

Lab Sample ID: 880-19715-5

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			10/07/22 18:14	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/07/22 18:14	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/07/22 18:14	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/07/22 18:14	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			10/07/22 18:14	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/07/22 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*10/07/22 18:14*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*		*10/07/22 18:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			10/06/22 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.906	U	4.59	0.906	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.906	U	4.59	0.906	mg/L		09/30/22 16:46	10/01/22 14:50	1
Diesel Range Organics (Over C10-C28)	<0.906	U	4.59	0.906	mg/L		09/30/22 16:46	10/01/22 14:50	1
OII Range Organics (Over C28-C36)	<0.875	U	4.59	0.875	mg/L		09/30/22 16:46	10/01/22 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*09/30/22 16:46*	*10/01/22 14:50*	*1*
o-Terphenyl	*101*		*70 - 130*	*09/30/22 16:46*	*10/01/22 14:50*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1870**		5.00	2.00	mg/L			10/05/22 00:50	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0113**		0.00400	0.000290	mg/L		10/03/22 09:30	10/04/22 04:29	1
Barium	**0.0311**		0.00400	0.00134	mg/L		10/03/22 09:30	10/04/22 04:29	1
Chromium	**0.0776**		0.00400	0.000560	mg/L		10/03/22 09:30	10/04/22 04:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**4340**		40.0	40.0	mg/L			10/04/22 14:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	**0.0842**		0.0100	0.00270	mg/L			09/27/22 17:59	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Client Sample ID: MWD-13-W-220927

Date Collected: 09/27/22 12:30
Date Received: 09/27/22 17:20

Lab Sample ID: 880-19715-6

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			10/07/22 18:35	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/07/22 18:35	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/07/22 18:35	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/07/22 18:35	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			10/07/22 18:35	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/07/22 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*		*10/07/22 18:35*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*		*10/07/22 18:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			10/06/22 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.904	U	4.57	0.904	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.904	U	4.57	0.904	mg/L		09/30/22 16:46	10/01/22 15:11	1
Diesel Range Organics (Over C10-C28)	<0.904	U	4.57	0.904	mg/L		09/30/22 16:46	10/01/22 15:11	1
OII Range Organics (Over C28-C36)	<0.872	U	4.57	0.872	mg/L		09/30/22 16:46	10/01/22 15:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*09/30/22 16:46*	*10/01/22 15:11*	*1*
o-Terphenyl	*84*		*70 - 130*	*09/30/22 16:46*	*10/01/22 15:11*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3550**		5.00	2.00	mg/L			10/05/22 01:03	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0442**		0.00400	0.000290	mg/L		10/03/22 09:30	10/04/22 04:32	1
Barium	**0.0775**		0.00400	0.00134	mg/L		10/03/22 09:30	10/04/22 04:32	1
Chromium	**0.00215**	**J**	0.00400	0.000560	mg/L		10/03/22 09:30	10/04/22 04:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**7390**		100	100	mg/L			10/04/22 14:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/27/22 17:59	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Client Sample ID: MW-32-W-220927

Date Collected: 09/27/22 12:55
Date Received: 09/27/22 17:20

Lab Sample ID: 880-19715-7

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			10/07/22 18:55	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/07/22 18:55	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/07/22 18:55	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/07/22 18:55	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			10/07/22 18:55	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/07/22 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*		*10/07/22 18:55*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*		*10/07/22 18:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			10/06/22 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.904	U	4.57	0.904	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.904	U	4.57	0.904	mg/L		09/30/22 16:46	10/01/22 15:31	1
Diesel Range Organics (Over C10-C28)	<0.904	U	4.57	0.904	mg/L		09/30/22 16:46	10/01/22 15:31	1
OII Range Organics (Over C28-C36)	<0.872	U	4.57	0.872	mg/L		09/30/22 16:46	10/01/22 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*09/30/22 16:46*	*10/01/22 15:31*	*1*
o-Terphenyl	*91*		*70 - 130*	*09/30/22 16:46*	*10/01/22 15:31*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**828**		5.00	2.00	mg/L			10/05/22 01:17	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0438**		0.00400	0.000290	mg/L		10/03/22 09:30	10/04/22 04:35	1
Barium	**1.95**		0.00400	0.00134	mg/L		10/03/22 09:30	10/04/22 04:35	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/03/22 09:30	10/04/22 04:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**2780**		40.0	40.0	mg/L			10/04/22 14:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/28/22 09:47	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Client Sample ID: MW-29-W-220927

Date Collected: 09/27/22 13:45
Date Received: 09/27/22 17:20

Lab Sample ID: 880-19715-8

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0488	~~B~~ J	0.00200	0.000408	mg/L			10/07/22 19:36	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/07/22 19:16	1
Ethylbenzene	0.000817	J	0.00200	0.000657	mg/L			10/07/22 19:16	1
m-Xylene & p-Xylene	0.00400 UB	~~0.00176 J B~~	0.00400	0.000629	mg/L			10/07/22 19:16	1
o-Xylene	0.214	~~* +1~~ DJ	0.0200	0.00642	mg/L			10/09/22 17:01	10
Xylenes, Total	0.00400 UB	~~0.00243 J B~~	0.00400	0.000642	mg/L			10/07/22 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*		*10/07/22 19:16*	*1*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*		*10/07/22 19:36*	*1*
1,4-Difluorobenzene (Surr)	*125*		*70 - 130*		*10/07/22 19:16*	*1*
1,4-Difluorobenzene (Surr)	*141*	*S1+*	*70 - 130*		*10/07/22 19:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.265		0.00400	0.000657	mg/L			10/06/22 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.904	U	4.57	0.904	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.904	U	4.57	0.904	mg/L		09/30/22 16:46	10/01/22 15:52	1
Diesel Range Organics (Over C10-C28)	<0.904	U	4.57	0.904	mg/L		09/30/22 16:46	10/01/22 15:52	1
OII Range Organics (Over C28-C36)	<0.872	U	4.57	0.872	mg/L		09/30/22 16:46	10/01/22 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*09/30/22 16:46*	*10/01/22 15:52*	*1*
o-Terphenyl	*97*		*70 - 130*	*09/30/22 16:46*	*10/01/22 15:52*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	313		5.00	2.00	mg/L			10/05/22 01:31	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00233	J	0.00400	0.000290	mg/L		10/03/22 09:30	10/04/22 04:38	1
Barium	9.29		0.200	0.0671	mg/L		10/03/22 09:30	10/05/22 21:54	50
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/03/22 09:30	10/04/22 04:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1340		20.0	20.0	mg/L			10/04/22 14:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/28/22 09:47	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Client Sample ID: MW-30-W-220927

Date Collected: 09/27/22 14:15
Date Received: 09/27/22 17:20

Lab Sample ID: 880-19715-9

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00200 UB ~~0.00147 J B~~		0.00200	0.000408	mg/L			10/07/22 19:57	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/07/22 19:57	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/07/22 19:57	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/07/22 19:57	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			10/07/22 19:57	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/07/22 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*10/07/22 19:57*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*		*10/07/22 19:57*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00147**	**J**	0.00400	0.000657	mg/L			10/06/22 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.898	U	4.55	0.898	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 16:12	1
Diesel Range Organics (Over C10-C28)	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 16:12	1
OII Range Organics (Over C28-C36)	<0.867	U	4.55	0.867	mg/L		09/30/22 16:46	10/01/22 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*09/30/22 16:46*	*10/01/22 16:12*	*1*
o-Terphenyl	*92*		*70 - 130*	*09/30/22 16:46*	*10/01/22 16:12*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**281**		5.00	2.00	mg/L			10/05/22 01:45	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0106**		0.00400	0.000290	mg/L		10/03/22 09:30	10/04/22 04:41	1
Barium	**0.302**		0.00400	0.00134	mg/L		10/03/22 09:30	10/04/22 04:41	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/03/22 09:30	10/04/22 04:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1300**		20.0	20.0	mg/L			10/04/22 14:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/28/22 09:47	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Client Sample ID: MW-34-W-220927

Date Collected: 09/27/22 14:35
Date Received: 09/27/22 17:20

Lab Sample ID: 880-19715-10

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00346	B	0.00200	0.000408	mg/L			10/07/22 20:17	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/07/22 20:17	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/07/22 20:17	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/07/22 20:17	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			10/07/22 20:17	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/07/22 20:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*		*10/07/22 20:17*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*		*10/07/22 20:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00346	J	0.00400	0.000657	mg/L			10/06/22 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.898	U	4.55	0.898	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 16:33	1
Diesel Range Organics (Over C10-C28)	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 16:33	1
OII Range Organics (Over C28-C36)	<0.867	U	4.55	0.867	mg/L		09/30/22 16:46	10/01/22 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*09/30/22 16:46*	*10/01/22 16:33*	*1*
o-Terphenyl	*83*		*70 - 130*	*09/30/22 16:46*	*10/01/22 16:33*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	252		5.00	2.00	mg/L			10/05/22 01:59	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.000976	J	0.00400	0.000290	mg/L		10/03/22 09:30	10/04/22 04:50	1
Barium	4.83		0.100	0.0336	mg/L		10/03/22 09:30	10/05/22 21:57	25
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/03/22 09:30	10/04/22 04:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1500		20.0	20.0	mg/L			10/04/22 14:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/28/22 09:47	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19715-1
SDG: South Eunice

Client Sample ID: DUP-2-W-220927

Date Collected: 09/27/22 00:00
Date Received: 09/27/22 17:20

Lab Sample ID: 880-19715-11

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00277	B UB	0.00200	0.000408	mg/L			10/07/22 20:37	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/07/22 20:37	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/07/22 20:37	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/07/22 20:37	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			10/07/22 20:37	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/07/22 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*10/07/22 20:37*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*		*10/07/22 20:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00277	J	0.00400	0.000657	mg/L			10/06/22 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.898	U	4.55	0.898	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 17:14	1
Diesel Range Organics (Over C10-C28)	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 17:14	1
OII Range Organics (Over C28-C36)	<0.867	U	4.55	0.867	mg/L		09/30/22 16:46	10/01/22 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*09/30/22 16:46*	*10/01/22 17:14*	*1*
o-Terphenyl	*88*		*70 - 130*	*09/30/22 16:46*	*10/01/22 17:14*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	253		5.00	2.00	mg/L			10/05/22 02:13	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.000890	J	0.00400	0.000290	mg/L		10/03/22 09:30	10/04/22 04:53	1
Barium	4.65		0.100	0.0336	mg/L		10/03/22 09:30	10/05/22 22:00	25
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/03/22 09:30	10/04/22 04:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1520		20.0	20.0	mg/L			10/04/22 14:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/28/22 09:47	1

Released to Imaging: 4/10/2023 12:09:44 PM
Received by OCD: 3/29/2023 1:18:07 PM

Eurofins Midland
1211 W Florida Ave
Midland TX 79701
Phone (432) 704-5440

Chain of Custody Record

eurofins Environment Testing America

19788

Client Information	Sampler: Daniel McGee	Lab PM: Builes John	Carrier Tracking No(s):	COC No: 880-3910-441 1
Client Contact: Andrew DeMarco	Phone: 432-999-7980	E-Mail: John Builes@et.eurofinsus com	State of Origin:	Page: Page 1 of 4
Company: ARCADIS U S Inc	PWSID:			Job #:
Address: 1004 North Big Spring Suite 300	Due Date Requested:			
City: Midland	TAT Requested (days): Standard			
State Zip: TX 79701	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: Andrew DeMarco@arcadis com	WO #:			
Project Name: Eunice South	Project #: 88000209			
Site: South Eunice	SSOW#:			

Analysis Requested

Preservation Codes

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E - NaHSO4, F MeOH, G - Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D; 7196A; 6020A; Chloride; Sulfate	2540C_Calcd - Local Method; 6020A (Ca Hardness)	8015MOD_NM - (MOD) Full TPH	8021B - BTEX	Total Number of containers	Special Instructions/Note.
			Preservation Code:				N	N	A	A		
~~MW-11~~ MW-17-W-220928	9-28-22	0930	G	Water			X	X	X	X	5	
~~MW-15~~ MWD-15-W-220928	9-28-22	1025	G	Water			X	X	X	X	5	
~~MW-16~~ ~~MWD-9-W-220928~~	9-28-22		G	Water							5	
~~MW-17~~ MWD-3-W-220928	9-28-22	1125	G	Water			X	X	X	X	5	
~~MW-24~~ RW-6-W-220928	9-28-22	1300	G	Water			X	X	X	X	5	
~~MW-25~~ MWD-12-W 220928	9-28-22	1345	G	Water			X	X	X	X	5	
~~MW-26~~				Water								
MW-29				Water								
MW-30				Water								
MW-32	DUP 9-28-22			Water								
MW-34				Water								

880-19788 Chain of Custody

Possible Hazard Identification
~~Non-Hazard~~ Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Return To Client ~~Disposal By Lab~~ Archive For Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	9-28-22 1635	Arcadis			
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 5.6 | 5.8

Ver: 01/16/2019

Definitions/Glossary

Client: ARCADIS U.S., Inc. Job ID: 880-19788-1
Project/Site: Eunice South SDG: South Eunice

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive

Definitions/Glossary

Client: ARCADIS U.S., Inc. Job ID: 880-19788-1
Project/Site: Eunice South SDG: South Eunice

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19788-1
SDG: South Eunice

Client Sample ID: MW-17-W-220928

Date Collected: 09/28/22 09:30
Date Received: 09/28/22 16:51

Lab Sample ID: 880-19788-1

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			10/08/22 00:44	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/08/22 00:44	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/08/22 00:44	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/08/22 00:44	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			10/08/22 00:44	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/08/22 00:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*		*10/08/22 00:44*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*		*10/08/22 00:44*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			10/08/22 09:14	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.898	U	4.55	0.898	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 17:35	1
Diesel Range Organics (Over C10-C28)	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 17:35	1
OII Range Organics (Over C28-C36)	<0.867	U	4.55	0.867	mg/L		09/30/22 16:46	10/01/22 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*09/30/22 16:46*	*10/01/22 17:35*	*1*
o-Terphenyl	*89*		*70 - 130*	*09/30/22 16:46*	*10/01/22 17:35*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**792**	B	5.00	2.00	mg/L			10/05/22 02:33	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00758**		0.00400	0.000290	mg/L		10/03/22 09:30	10/04/22 01:47	1
Barium	**0.157**		0.00400	0.00134	mg/L		10/03/22 09:30	10/04/22 01:47	1
Chromium	**0.00251**	**J**	0.00400	0.000560	mg/L		10/03/22 09:30	10/04/22 01:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1810**		20.0	20.0	mg/L			10/04/22 14:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/29/22 07:45	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19788-1
SDG: South Eunice

Client Sample ID: MWD-15-W-220928

Date Collected: 09/28/22 10:25
Date Received: 09/28/22 16:51

Lab Sample ID: 880-19788-2

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00321	~~B~~ J	0.00200	0.000408	mg/L			10/08/22 01:04	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/08/22 01:04	1
Ethylbenzene	0.00198	J	0.00200	0.000657	mg/L			10/08/22 01:04	1
m-Xylene & p-Xylene	0.00412	~~B~~ UB	0.00400	0.000629	mg/L			10/08/22 01:04	1
o-Xylene	0.00435	~~J+~~ J	0.00200	0.000642	mg/L			10/08/22 01:04	1
Xylenes, Total	0.00847	~~B~~ J	0.00400	0.000642	mg/L			10/08/22 01:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*207*	*S1+*	*70 - 130*		*10/08/22 01:04*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*		*10/08/22 01:04*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0137		0.00400	0.000657	mg/L			10/08/22 09:14	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.898	U	4.55	0.898	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 17:55	1
Diesel Range Organics (Over C10-C28)	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 17:55	1
OII Range Organics (Over C28-C36)	<0.867	U	4.55	0.867	mg/L		09/30/22 16:46	10/01/22 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*09/30/22 16:46*	*10/01/22 17:55*	*1*
o-Terphenyl	*87*		*70 - 130*	*09/30/22 16:46*	*10/01/22 17:55*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1190	~~B~~	5.00	2.00	mg/L			10/05/22 02:45	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00608		0.00400	0.000290	mg/L		10/03/22 09:30	10/04/22 01:50	1
Barium	2.93		0.400	0.134	mg/L		10/03/22 09:30	10/05/22 19:59	100
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/03/22 09:30	10/04/22 01:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2820		40.0	40.0	mg/L			10/05/22 11:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	0.0329		0.0100	0.00270	mg/L			09/29/22 07:45	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19788-1
SDG: South Eunice

Client Sample ID: MWD-3-W-220928

Date Collected: 09/28/22 11:25
Date Received: 09/28/22 16:51

Lab Sample ID: 880-19788-3

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.17	DJ	0.0400	0.00816	mg/L			10/12/22 21:02	20
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/09/22 19:25	1
Ethylbenzene	0.00131	J	0.00200	0.000657	mg/L			10/09/22 19:25	1
m-Xylene & p-Xylene	0.000725	J	0.00400	0.000629	mg/L			10/09/22 19:25	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			10/09/22 19:25	1
Xylenes, Total	0.000725	J	0.00400	0.000642	mg/L			10/09/22 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*10/09/22 19:25*	*1*
1,4-Difluorobenzene (Surr)	*209*	*S1+*	*70 - 130*		*10/09/22 19:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1.17		0.00400	0.000657	mg/L			10/08/22 09:14	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.898	U	4.55	0.898	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 18:16	1
Diesel Range Organics (Over C10-C28)	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 18:16	1
OII Range Organics (Over C28-C36)	<0.867	U	4.55	0.867	mg/L		09/30/22 16:46	10/01/22 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*09/30/22 16:46*	*10/01/22 18:16*	*1*
o-Terphenyl	*92*		*70 - 130*	*09/30/22 16:46*	*10/01/22 18:16*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19200	B	50.0	20.0	mg/L			10/05/22 03:41	100

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0397		0.00400	0.000290	mg/L		10/03/22 09:30	10/04/22 01:53	1
Barium	3.31		0.400	0.134	mg/L		10/03/22 09:30	10/05/22 20:02	100
Chromium	0.000833	J	0.00400	0.000560	mg/L		10/03/22 09:30	10/04/22 01:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	33000		200	200	mg/L			10/04/22 14:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/29/22 07:45	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19788-1
SDG: South Eunice

Client Sample ID: RW-6-W-220928

Date Collected: 09/28/22 13:00
Date Received: 09/28/22 16:51

Lab Sample ID: 880-19788-4

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0188		0.00200	0.000408	mg/L			10/09/22 19:45	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/09/22 19:45	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/09/22 19:45	1
m-Xylene & p-Xylene	0.00188	J	0.00400	0.000629	mg/L			10/09/22 19:45	1
o-Xylene	0.00126	J	0.00200	0.000642	mg/L			10/09/22 19:45	1
Xylenes, Total	0.00314	J	0.00400	0.000642	mg/L			10/09/22 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*10/09/22 19:45*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*		*10/09/22 19:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0219		0.00400	0.000657	mg/L			10/08/22 09:14	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.898	U	4.55	0.898	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 18:37	1
Diesel Range Organics (Over C10-C28)	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 18:37	1
OII Range Organics (Over C28-C36)	<0.867	U	4.55	0.867	mg/L		09/30/22 16:46	10/01/22 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*09/30/22 16:46*	*10/01/22 18:37*	*1*
o-Terphenyl	*82*		*70 - 130*	*09/30/22 16:46*	*10/01/22 18:37*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	963	B	5.00	2.00	mg/L			10/05/22 02:56	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00325	J	0.00400	0.000290	mg/L		10/03/22 09:30	10/04/22 01:56	1
Barium	1.47		0.00400	0.00134	mg/L		10/03/22 09:30	10/04/22 01:56	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/03/22 09:30	10/04/22 01:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2790		40.0	40.0	mg/L			10/04/22 14:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/29/22 07:45	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19788-1
SDG: South Eunice

Client Sample ID: MWD-12-W-220928

Date Collected: 09/28/22 13:45
Date Received: 09/28/22 16:51

Lab Sample ID: 880-19788-5

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00586		0.00200	0.000408	mg/L			10/09/22 20:06	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			10/09/22 20:06	1
Ethylbenzene	0.0435		0.00200	0.000657	mg/L			10/09/22 20:06	1
m-Xylene & p-Xylene	0.00408		0.00400	0.000629	mg/L			10/09/22 20:06	1
o-Xylene	0.00294		0.00200	0.000642	mg/L			10/09/22 20:06	1
Xylenes, Total	0.00702		0.00400	0.000642	mg/L			10/09/22 20:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*10/09/22 20:06*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*		*10/09/22 20:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0564		0.00400	0.000657	mg/L			10/08/22 09:14	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.898	U	4.55	0.898	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 18:58	1
Diesel Range Organics (Over C10-C28)	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 18:58	1
OII Range Organics (Over C28-C36)	<0.867	U	4.55	0.867	mg/L		09/30/22 16:46	10/01/22 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*09/30/22 16:46*	*10/01/22 18:58*	*1*
o-Terphenyl	*90*		*70 - 130*	*09/30/22 16:46*	*10/01/22 18:58*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1610	B	5.00	2.00	mg/L			10/05/22 03:07	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0356		0.00400	0.000290	mg/L		10/03/22 09:30	10/04/22 01:59	1
Barium	0.253		0.00400	0.00134	mg/L		10/03/22 09:30	10/04/22 01:59	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/03/22 09:30	10/04/22 01:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	4330		40.0	40.0	mg/L			10/04/22 14:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/29/22 07:45	1

Released to Imaging: 4/10/2023 12:09:44 PM
Received by OCD: 3/29/2023 1:18:07 PM

Eurofins Midland
1211 W Florida Ave
Midland TX 79701
Phone (432) 704-5440

Chain of Custody Record

eurofins Environment Testing America

19832

Client Information	Sampler: Daniel McKee	Lab PM: Builes John	Carrier Tracking No(s):	COC No: 880-3910-441 2
Client Contact: Andrew DeMarco	Phone: 432-999-2980	E-Mail: John.Builes@et.eurofinsus.com	State of Origin:	Page: Page ~~2 of 2~~ 1 of 1
Company: ARCADIS U S Inc	PWSID:			Job #:
Address: 1004 North Big Spring Suite 300	Due Date Requested:			
City: Midland	TAT Requested (days): Standard			
State, Zip: TX 79701	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: Andrew.DeMarco@arcadis.com	WO #:			
Project Name: Eunice South	Project #: 88000209			
Site: South Eunice	SSOW#:			

Analysis Requested

Preservation Codes

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Y	Trizma
		Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D, 6020A, 7196A Z 5940 Calcd	2540C_Calcd - Local Method 6020A	8015MOD_NM - (MOD) Full TPH	8021B - BTEX	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A	A		
~~MW-35~~ MW-26-W-220929	9-29-22	0940	G	Water			X	X	X	X	5	
~~MW-38~~ MW-24-W-220929	9-29-22	1030	G	Water			X	X	X	X	5	
~~MWD-8~~ MW-41-W-220929	9-29-22	1145	G	Water			X	X	X	X	5	
~~MWD-9~~ MW-25-W-220929	9-29-22	1215	G	Water			X	X	X	X	5	
~~MWD-12~~ MWD-14-W-220929	9-29-22	1315	G	Water			X	X	X	X	5	
~~MWD-13~~				Water								
MWD-14				Water								
MWD-15				Water								
RW-6				Water								
BD/FD		PM		Water			9-29-22					
				Water								

880-19832 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I II III IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
		9-29-22 / 1615	Arcadis		9/29/22 1648	
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 5.2 | 5.4

Ver 01/16/2019

Definitions/Glossary

Client: ARCADIS U.S., Inc. Job ID: 880-19832-1
Project/Site: Eunice South SDG: South Eunice

Qualifiers

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)

Definitions/Glossary

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19832-1
SDG: South Eunice

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19832-1
SDG: South Eunice

Client Sample ID: MW-26-W-220929

Date Collected: 09/29/22 09:40
Date Received: 09/29/22 16:48

Lab Sample ID: 880-19832-1

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.552**		0.0200	0.00408	mg/L			10/12/22 21:28	10
Toluene	**0.0120**	**J**	0.0200	0.00367	mg/L			10/12/22 21:28	10
Ethylbenzene	**0.0137**	**J**	0.0200	0.00657	mg/L			10/12/22 21:28	10
m-Xylene & p-Xylene	<0.00629	U	0.0400	0.00629	mg/L			10/12/22 21:28	10
o-Xylene	**0.0112**	**J**	0.0200	0.00642	mg/L			10/12/22 21:28	10
Xylenes, Total	**0.0112**	**J**	0.0400	0.00642	mg/L			10/12/22 21:28	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*10/12/22 21:28*	*10*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*		*10/12/22 21:28*	*10*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.589**		0.0400	0.00657	mg/L			10/13/22 11:37	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.898	U	4.55	0.898	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 19:18	1
Diesel Range Organics (Over C10-C28)	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 19:18	1
OII Range Organics (Over C28-C36)	<0.867	U	4.55	0.867	mg/L		09/30/22 16:46	10/01/22 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*09/30/22 16:46*	*10/01/22 19:18*	*1*
o-Terphenyl	*101*		*70 - 130*	*09/30/22 16:46*	*10/01/22 19:18*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**152**		0.500	0.200	mg/L			10/05/22 06:22	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0462**		0.00400	0.000290	mg/L		10/04/22 08:30	10/04/22 23:18	1
Barium	**3.95**		0.00400	0.00134	mg/L		10/04/22 08:30	10/04/22 23:18	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/04/22 08:30	10/04/22 23:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1090**		10.0	10.0	mg/L			10/05/22 19:19	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.0135	U	0.0500	0.0135	mg/L			09/30/22 08:00	5

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19832-1
SDG: South Eunice

Client Sample ID: MW-24-W-220929

Date Collected: 09/29/22 10:50
Date Received: 09/29/22 16:48

Lab Sample ID: 880-19832-2

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	13.4	DJ	0.200	0.0408	mg/L			10/13/22 21:50	100
Toluene	<0.00367	U	0.0200	0.00367	mg/L			10/12/22 21:54	10
Ethylbenzene	0.0296	J	0.0200	0.00657	mg/L			10/12/22 21:54	10
m-Xylene & p-Xylene	0.0465	J	0.0400	0.00629	mg/L			10/12/22 21:54	10
o-Xylene	<0.00642	U	0.0200	0.00642	mg/L			10/12/22 21:54	10
Xylenes, Total	0.0465	J	0.0400	0.00642	mg/L			10/12/22 21:54	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*10/12/22 21:54*	*10*
1,4-Difluorobenzene (Surr)	*146*	*S1+*	*70 - 130*		*10/12/22 21:54*	*10*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0761		0.0400	0.00657	mg/L			10/13/22 11:37	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	21.3		4.55	0.898	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	21.3	B	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 19:39	1
Diesel Range Organics (Over C10-C28)	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 19:39	1
OII Range Organics (Over C28-C36)	<0.867	U	4.55	0.867	mg/L		09/30/22 16:46	10/01/22 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*09/30/22 16:46*	*10/01/22 19:39*	*1*
o-Terphenyl	*94*		*70 - 130*	*09/30/22 16:46*	*10/01/22 19:39*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	240		5.00	2.00	mg/L			10/05/22 09:08	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0311		0.00400	0.000290	mg/L		10/04/22 08:30	10/04/22 23:21	1
Barium	2.98		0.00400	0.00134	mg/L		10/04/22 08:30	10/04/22 23:21	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/04/22 08:30	10/04/22 23:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1270		20.0	20.0	mg/L			10/05/22 19:19	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/30/22 08:00	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19832-1
SDG: South Eunice

Client Sample ID: MW-11-W-220929

Date Collected: 09/29/22 11:45
Date Received: 09/29/22 16:48

Lab Sample ID: 880-19832-3

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	5.19	D	0.200	0.0408	mg/L			10/13/22 22:16	100
Toluene	0.00390	J	0.0200	0.00367	mg/L			10/12/22 22:20	10
Ethylbenzene	<0.00657	U	0.0200	0.00657	mg/L			10/12/22 22:20	10
m-Xylene & p-Xylene	0.0152	J	0.0400	0.00629	mg/L			10/12/22 22:20	10
o-Xylene	<0.00642	U	0.0200	0.00642	mg/L			10/12/22 22:20	10
Xylenes, Total	0.0152	J	0.0400	0.00642	mg/L			10/12/22 22:20	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*		*10/12/22 22:20*	*10*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*		*10/12/22 22:20*	*10*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0191	J	0.0400	0.00657	mg/L			10/13/22 11:37	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	15.8		4.55	0.898	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.8	B	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 20:00	1
Diesel Range Organics (Over C10-C28)	<0.898	U	4.55	0.898	mg/L		09/30/22 16:46	10/01/22 20:00	1
OII Range Organics (Over C28-C36)	<0.867	U	4.55	0.867	mg/L		09/30/22 16:46	10/01/22 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*09/30/22 16:46*	*10/01/22 20:00*	*1*
o-Terphenyl	*96*		*70 - 130*	*09/30/22 16:46*	*10/01/22 20:00*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		0.500	0.200	mg/L			10/05/22 06:36	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0314		0.00400	0.000290	mg/L		10/04/22 08:30	10/04/22 23:23	1
Barium	1.47		0.00400	0.00134	mg/L		10/04/22 08:30	10/04/22 23:23	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/04/22 08:30	10/04/22 23:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1060		10.0	10.0	mg/L			10/05/22 19:19	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/30/22 08:00	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19832-1
SDG: South Eunice

Client Sample ID: MW-25-W-220929

Lab Sample ID: 880-19832-4

Date Collected: 09/29/22 12:15
Matrix: Water
Date Received: 09/29/22 16:48

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.545**		0.0200	0.00408	mg/L			10/12/22 22:46	10
Toluene	<0.00367	U	0.0200	0.00367	mg/L			10/12/22 22:46	10
Ethylbenzene	**0.0193**	**J**	0.0200	0.00657	mg/L			10/12/22 22:46	10
m-Xylene & p-Xylene	<0.00629	U	0.0400	0.00629	mg/L			10/12/22 22:46	10
o-Xylene	<0.00642	U	0.0200	0.00642	mg/L			10/12/22 22:46	10
Xylenes, Total	<0.00642	U	0.0400	0.00642	mg/L			10/12/22 22:46	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*		*10/12/22 22:46*	*10*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*		*10/12/22 22:46*	*10*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.564**		0.0400	0.00657	mg/L			10/13/22 11:37	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.901	U	4.56	0.901	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.901	U	4.56	0.901	mg/L		09/30/22 16:46	10/01/22 20:21	1
Diesel Range Organics (Over C10-C28)	<0.901	U	4.56	0.901	mg/L		09/30/22 16:46	10/01/22 20:21	1
OII Range Organics (Over C28-C36)	<0.869	U	4.56	0.869	mg/L		09/30/22 16:46	10/01/22 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*09/30/22 16:46*	*10/01/22 20:21*	*1*
o-Terphenyl	*91*		*70 - 130*	*09/30/22 16:46*	*10/01/22 20:21*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2350**		5.00	2.00	mg/L			10/05/22 09:22	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00990**		0.00400	0.000290	mg/L		10/04/22 08:30	10/04/22 23:26	1
Barium	**1.30**		0.0400	0.0134	mg/L		10/04/22 08:30	10/05/22 21:00	10
Chromium	**0.00134**	**J**	0.00400	0.000560	mg/L		10/04/22 08:30	10/04/22 23:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**5180**		40.0	40.0	mg/L			10/05/22 19:19	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/30/22 08:00	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Eunice South

Job ID: 880-19832-1
SDG: South Eunice

Client Sample ID: MWD-14-W-220929

Date Collected: 09/29/22 13:15
Date Received: 09/29/22 16:48

Lab Sample ID: 880-19832-5

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.963**		0.0200	0.00408	mg/L			10/12/22 23:12	10
Toluene	<0.00367	U	0.0200	0.00367	mg/L			10/12/22 23:12	10
Ethylbenzene	**0.0712**		0.0200	0.00657	mg/L			10/12/22 23:12	10
m-Xylene & p-Xylene	<0.00629	U	0.0400	0.00629	mg/L			10/12/22 23:12	10
o-Xylene	<0.00642	U	0.0200	0.00642	mg/L			10/12/22 23:12	10
Xylenes, Total	<0.00642	U	0.0400	0.00642	mg/L			10/12/22 23:12	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*		*10/12/22 23:12*	*10*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*		*10/12/22 23:12*	*10*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**1.03**		0.0400	0.00657	mg/L			10/13/22 11:37	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.904	U	4.57	0.904	mg/L			10/03/22 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.904	U	4.57	0.904	mg/L		10/05/22 08:41	10/05/22 11:41	1
Diesel Range Organics (Over C10-C28)	<0.904	~~U F1~~ UJ	4.57	0.904	mg/L		10/05/22 08:41	10/05/22 11:41	1
OII Range Organics (Over C28-C36)	<0.872	U	4.57	0.872	mg/L		10/05/22 08:41	10/05/22 11:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*10/05/22 08:41*	*10/05/22 11:41*	*1*
o-Terphenyl	*96*		*70 - 130*	*10/05/22 08:41*	*10/05/22 11:41*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**514**		5.00	2.00	mg/L			10/05/22 09:36	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.000576**	**J**	0.00400	0.000290	mg/L		10/04/22 08:30	10/04/22 23:29	1
Barium	**0.928**		0.00400	0.00134	mg/L		10/04/22 08:30	10/04/22 23:29	1
Chromium	**0.000671**	**J**	0.00400	0.000560	mg/L		10/04/22 08:30	10/04/22 23:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**3320**		40.0	40.0	mg/L			10/05/22 19:19	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00270	U	0.0100	0.00270	mg/L			09/30/22 08:00	1

APPENDIX E

Historical Analytical Data (through 2017)

Appendix E
Historical Analytical Data (through 2017)
2021 Annual Groundwater Monitoring Report
Former Eunice South Gas Plant

Chemical Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Manganese	Benzene	Ethylbenzene	Total Xylenes	DRO (C10-C28)	GRO (C6-C10)	Chloride	Total Dissolved Solids
Units			mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
NMWQCC Standard			0.01	0.05	0.05	1	0.2	10	750	620	--	--	250	1000
Location ID	Sample Date	Sample Type												
MW-11	2/17/2010	N	**0.054**	< 0.0150 U	--	--	--	**29000**	**710**	< 300 U	--	--	**337**	**1410**
	8/12/2010	N	**0.0565**	< 0.0150 U	--	--	--	**17000**	**420**	< 150 U	--	--	**406**	**1540**
	4/8/2011	N	**0.0558**	< 0.0150 U	--	--	--	**29000**	**480**	< 300 U	--	--	**425**	**1550**
	8/16/2011	N	**0.0450**	< 0.0150 U	--	--	--	**32000**	**430**	< 150 U	--	--	**422**	**1350**
	2/16/2012	N	**0.0309**	< 0.0150 U	--	--	--	**22000**	**420**	< 60 U	--	--	**260**	**1390**
	8/14/2012	N	**0.0368**	< 0.0150 U	--	--	--	**20000**	**760**	< 300 U	--	--	**304 J**	**1200**
	2/11/2013	N	**0.0315**	< 0.0150 U	--	--	--	**18000**	**560**	**32**	--	--	**192**	**1180**
	8/12/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	**14000**	**410**	< 150 U	--	--	**199**	**1150**
	2/7/2014	N	**0.0138 J**	< 0.0150 U	--	--	--	**22000**	**670**	**57 J**	--	--	**195**	**1050**
	8/13/2014	N	< 0.0200 UJ	< 0.0150 UJ	--	--	--	**30000**	**130**	< 100 U	--	--	**277**	**1340**
	2/11/2015	N	**0.0077 J**	< 0.0150 U	--	--	--	**16000**	**26 J**	**160**	--	--	**144**	**696**
	8/11/2015	N	< 0.0200 U	**0.0016 J**	--	--	--	**11000**	**33**	**190**	--	--	**97.8**	**798**
	4/1/2016	N	< 0.01 U	< 0.01 U	< 0.01 U	--	--	**6840**	< 40 U	**54.8**	< 1.41 U	**11.5**	**93.9**	**688**
	9/12/2016	N	< 0.00336 U	< 0.00136 U	--	**6.54**	**0.14**	**5890 D**	**15**	**91.2**	< 0.986 U	**7.72**	**71.1**	**888**
	4/6/2017	N	< 0.05 U	< 0.05 U	**0.0078 J**	**0.219 J**	**0.142 J**	**7020**	< 100 U	< 100 U	< 1.5 U	**1.67**	**128**	**1060**
	9/14/2017	N	**0.0118**	**0.000585 J**	< 0.01 U	--	--	**7210 J**	**49.8 J**	**259 J**	< 1.5 U	**2.54**	**91**	**900**
MW-13	2/9/2009	N	**0.0286**	< 0.0150 U	--	--	--	**5.5**	**3.3**	**4.6**	--	--	**374**	**1170**
	8/11/2009	N	**0.0246**	< 0.0150 U	--	--	--	< 5.0 U	< 1.0 U	< 3.0 U	--	--	**340**	**1160**
	2/12/2010	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**562**	**1100**
	8/6/2010	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**337**	**1010**
	4/6/2011	N	**0.0339**	< 0.0150 U	--	--	--	< 10 U	< 1.0 U	< 3.0 U	--	--	**426**	**1120**
	8/15/2011	N	**0.0235**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**454**	**1080**
	2/8/2012	N	**0.0276**	< 0.0150 U	--	--	--	**14**	< 1.0 U	< 3.0 U	--	--	**379**	**1090**
	8/9/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**439**	**1140**
	2/6/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**348 J**	**1000**
	8/6/2013	N	**0.0249**	< 0.0150 U	--	--	--	< 3.0 U	< 1.0 U	< 3.0 U	--	--	**372**	**1380**
	8/6/2013	FD	**0.0248**	< 0.0150 U	--	--	--	< 2.0 U	< 1.0 U	< 3.0 U	--	--	**377**	**1250**
	2/4/2014	N	**0.0137 J**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**830**	**1100**
	8/7/2014	N	**0.0291**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**366**	**1160**
	2/3/2015	N	**0.0120 J**	**0.0017 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**366**	**828**
	8/6/2015	N	**0.0151 J**	**0.0026 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**381**	**1040 J**
	3/30/2016	N	< 0.01 U	< 0.01 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.41 U	< 1.41 U	**337**	**835**
	3/30/2016	FD	**0.014**	< 0.01 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.41 U	< 1.41 U	**340**	**865**
	9/6/2016	N	**0.0166**	< 0.00136 U	< 0.01 U	< 0.00616 U	**0.0101 J**	< 0.408 U	< 0.657 U	< 0.642 U	< 0.986 U	< 0.986 U	**329**	**1030**
	9/6/2016	FD	**0.0105**	< 0.00136 U	< 0.01 U	**0.00629 J**	**0.0103 J**	< 0.408 U	< 0.657 U	< 0.642 U	< 0.986 U	< 0.986 U	**314**	**1130**
	4/5/2017	N	< 0.05 U	< 0.05 U	< 0.01 U	< 1 U	**0.0182 J**	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**343**	**976**
	9/13/2017	N	**0.0145**	< 0.004 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**331**	**1170**
MW-14	2/9/2009	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	**2.4**	< 3.0 U	--	--	**421**	**1280**
	8/6/2009	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**429**	**1500**
	2/5/2010	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**573**	**1550**
	8/4/2010	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**485**	**1540**
	4/6/2011	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**512**	**1460**
	8/8/2011	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**595**	**1750**
	2/8/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**475**	**1620**
	8/9/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**553**	**1760**
	2/6/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**556 J**	**1510**
	8/6/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**580**	**1770**
	2/4/2014	N	**0.0105 J**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**597**	**1500**

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Chemical Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Manganese	Benzene	Ethylbenzene	Total Xylenes	DRO (C10-C28)	GRO (C6-C10)	Chloride	Total Dissolved Solids
Units			mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
NMWQCC Standard			0.01	0.05	0.05	1	0.2	10	750	620	--	--	250	1000
Location ID	Sample Date	Sample Type												
MW-14	8/7/2014	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	558	1700 J
	8/7/2014	FD	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	530	1580
	2/3/2015	N	< 0.0200 U	0.0014 J	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	504	1260
	8/6/2015	N	0.0075 J	0.0023 J	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	475	1380 J
	3/30/2016	N	0.0139	< 0.01 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.41 U	< 1.41 U	488	1360
	9/6/2016	N	< 0.00336 U	< 0.00136 U	< 0.01 U	0.0263 J	0.831	< 0.408 U	< 0.657 U	< 0.642 U	< 0.986 U	< 0.986 U	465	1670
	4/5/2017	N	< 0.05 U	< 0.05 U	< 0.01 U	< 1 U	0.835	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	489	1560
	9/13/2017	N	0.00699	< 0.004 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	486	1640
MW-15	2/9/2009	N	< 0.0200 U	< 0.0150 U	--	--	--	6.1	3.7	3.2	--	--	2370	5250
	8/12/2009	N	0.0252	< 0.0150 U	--	--	--	3.3	< 1.0 U	< 3.0 U	--	--	2560	4810
	2/8/2010	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	1970	4520
	8/9/2010	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	1270	3230
	4/7/2011	N	< 0.0200 U	< 0.0150 U	--	--	--	2.4	< 1.0 U	< 3.0 U	--	--	3310	4260
	8/9/2011	N	< 0.0200 U	< 0.0150 U	--	--	--	16	< 1.0 U	< 3.0 U	--	--	1840	3820
	2/15/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	3.2	< 1.0 U	< 3.0 U	--	--	1020	3190
	2/15/2012	FD	< 0.0200 U	< 0.0150 U	--	--	--	3.2	< 1.0 U	< 3.0 U	--	--	778	3620
	8/13/2012	N	0.0203	< 0.0150 U	--	--	--	1.9	< 1.0 U	< 3.0 U	--	--	1540 J	3000
	2/7/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	1.4	< 1.0 U	< 3.0 U	--	--	1340 J	3250
	8/7/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	1.2	< 1.0 U	< 3.0 U	--	--	1320	3310
	2/6/2014	N	0.0106 J	< 0.0150 U	--	--	--	1.3	< 1.0 U	< 1.0 U	--	--	2610 J	3010
	8/14/2014	N	< 0.0200 UJ	< 0.0150 UJ	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	1340	3160
	2/10/2015	N	0.0169 J	0.0025 J	--	--	--	1.5	< 1.0 U	< 1.0 U	--	--	1150	2160
	8/13/2015	N	0.0141 J	0.0020 J	--	--	--	0.5 J	< 1.0 U	< 1.0 U	--	--	1180	2920
	3/30/2016	N	0.0181	< 0.01 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.41 U	< 1.41 U	1750	3160
	9/6/2016	N	< 0.00336 U	< 0.00136 U	< 0.01 U	0.00905 J	0.028	1.8 J	< 0.657 U	< 0.642 U	< 0.987 U	< 0.987 U	1780	4580
	4/5/2017	N	< 0.05 U	< 0.05 U	< 0.01 U	< 1 U	0.0345 J	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	1960	2900
	9/13/2017	N	0.0124	0.000535 J	< 0.01 U	--	--	7.95	< 2 U	< 2 U	< 1.5 U	< 1.5 U	2040	4590
MW-16	2/9/2009	N	< 0.0200 U	0.138	--	--	--	1.3	3.6	3.2	--	--	1830	3790
	8/6/2009	N	< 0.0200 U	0.123	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	1570	3970
	2/8/2010	N	< 0.0200 U	0.109	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	1820	3750
	8/4/2010	N	< 0.0200 U	0.138	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	1840	3950
	4/7/2011	N	< 0.0200 U	0.114	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	1830	3380
	8/9/2011	N	< 0.0200 U	0.0936	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	1790	3230
	2/15/2012	N	< 0.0200 U	0.108	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	1270	3940
	8/13/2012	N	< 0.0200 U	0.101	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	1750 J	3530
	2/6/2013	N	< 0.0200 U	0.0965	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	1590 J	3450
	8/7/2013	N	< 0.0200 U	0.0783	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	1650	3790
	2/6/2014	N	0.0132 J	0.0952	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	1730 J	4200
	8/14/2014	N	< 0.0200 UJ	0.104 J	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	1560	3880
	2/10/2015	N	0.0169 J	0.104	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	1390	2760
	8/13/2015	N	0.0149 J	0.0817	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	1560	3480
	3/30/2016	N	0.0255	0.107	0.0946	--	--	< 2 U	< 2 U	< 2 U	< 1.41 U	< 1.41 U	2060	3220
	9/6/2016	N	< 0.00336 U	0.0625	0.0959	0.00979 J	< 0.000585 U	< 0.408 U	< 0.657 U	< 0.642 U	< 0.986 U	< 0.986 U	1750	4860
	4/5/2017	N	< 0.05 U	0.0955	0.106	< 1 U	< 0.1 U	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	1880	3810
	9/13/2017	N	0.0129	0.11	0.0957	--	--	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	1880	4230
MW-17	2/11/2009	N	< 0.0200 U	< 0.0150 U	--	--	--	4.5	4.2	< 3.0 U	--	--	4160	8240
	8/11/2009	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	3100	7680
	2/10/2010	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	1260	3110

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Chemical Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Manganese	Benzene	Ethylbenzene	Total Xylenes	DRO (C10-C28)	GRO (C6-C10)	Chloride	Total Dissolved Solids
Units			mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
NMWQCC Standard			0.01	0.05	0.05	1	0.2	10	750	620	--	--	250	1000
Location ID	Sample Date	Sample Type												
MW-17	8/6/2010	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**2910**	**7030**
	4/7/2011	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**697**	**2140**
	8/10/2011	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**3050**	**6270**
	2/14/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**3950**	**10800**
	8/13/2012	N	**0.0226**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**5490 J**	**7580**
	2/7/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**1820 J**	**4000**
	8/7/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**3430**	**7280**
	8/7/2013	FD	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**3310**	**7360**
	2/5/2014	N	**0.0110 J**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	**0.2 J**	--	--	**2730**	**5640**
	8/12/2014	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**3120**	**6130**
	2/6/2015	N	**0.0109 J**	**0.0022 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**2050**	**2890**
	8/12/2015	N	**0.0095 J**	**0.0021 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**2220**	**5640**
	3/31/2016	N	**0.0127**	< 0.01 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.41 U	< 1.41 U	**3460**	**4180**
	9/9/2016	N	**0.00742 J**	< 0.00136 U	--	**0.154 J**	**0.504**	< 0.408 U	< 0.657 U	< 0.642 U	< 0.987 U	< 0.987 U	**2220**	**3740**
	4/6/2017	N	< 0.05 U	< 0.05 U	< 0.01 U	< 1 U	**0.534 J**	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**1750**	**3440**
	9/13/2017	N	**0.0141**	< 0.004 U	< 0.01 U	--	--	< 2 UJ	< 2 UJ	< 2 UJ	< 1.5 U	< 1.5 U	**603**	**3030**
	9/13/2017	FD	**0.0127**	< 0.004 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**627**	**3450**
MW-18	2/10/2009	N	< 0.0200 U	< 0.0150 U	--	--	--	**4.0**	**4.2**	< 3.0 U	--	--	**2570**	**4880**
	8/10/2009	N	**0.0246**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**1070**	**2740**
	2/10/2010	N	**0.0329**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**457**	**1440**
	8/5/2010	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**1340**	**2970**
	4/7/2011	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**1170**	**2280**
	8/10/2011	N	**0.0210**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**532**	**1510**
	2/13/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**907**	**2250**
	8/9/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**598**	**1580**
	2/6/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**699 J**	**1540**
	8/7/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**700**	**1620**
	2/4/2014	N	**0.0206 J**	**0.0016 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**474**	**1260**
	8/6/2014	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**533**	**1260**
	2/4/2015	N	**0.0191 J**	**0.0014 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**401**	**1080**
	8/6/2015	N	**0.0180 J**	**0.0027 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**406**	**1130**
	4/1/2016	N	**0.0218**	< 0.01 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.41 U	< 1.41 U	**284**	**906**
	9/12/2016	N	**0.0135**	< 0.00136 U	--	< 0.00616 U	< 0.000585 U	< 0.408 U	< 0.657 U	< 0.642 U	< 0.986 U	< 0.986 U	**287**	**964**
	4/4/2017	N	< 0.05 U	< 0.05 U	< 0.01 U	< 1 U	< 0.1 U	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**231**	**730**
MW-19	8/10/2010	N	**0.0484**	< 0.0150 U	--	--	--	**1300**	**83**	**52**	--	--	**4070**	**8300**
	8/9/2012	N	**0.0464**	< 0.0150 U	--	--	--	**1300 J**	**170 J**	**57 J**	--	--	**4050**	**8440**
	8/9/2012	FD	**0.0466**	< 0.0150 U	--	--	--	**1400 J**	**170 J**	**57 J**	--	--	**4360 J**	**8880**
	2/8/2013	N	**0.0494**	< 0.0150 U	--	--	--	**1300**	**150 J**	**58 J**	--	--	**4030**	**9000**
	8/9/2013	N	**0.0411**	< 0.0150 U	--	--	--	**1400**	**210 J**	**7.1 J**	--	--	**4080**	**8740**
	2/10/2014	N	**0.0270**	< 0.0150 U	--	--	--	**1000**	**160**	**36**	--	--	**4850**	**9720**
MW-21	8/11/2010	N	**0.0621**	< 0.0150 U	--	--	--	**510**	**140**	**22**	--	--	**834**	**2370**
	8/14/2012	N	**0.0562**	< 0.0150 U	--	--	--	**490**	**250**	**33**	--	--	**856 J**	**2320**
	2/11/2013	N	**0.0557**	< 0.0150 U	--	--	--	**340**	**230**	**11**	--	--	**857**	**2430**
	8/9/2013	N	**0.0294**	< 0.0150 U	--	--	--	**650 J**	**150 J**	**45 J**	--	--	**913 J**	**2030**
	2/7/2014	N	**0.0642**	< 0.0150 U	--	--	--	**130**	**190**	**9.9**	--	--	**945**	**2480**
	2/7/2014	FD	**0.0667**	< 0.0150 U	--	--	--	**130**	**190**	**9.8**	--	--	**853**	**2540**

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Appendix E
Historical Analytical Data (through 2017)
2021 Annual Groundwater Monitoring Report
Former Eunice South Gas Plant

Chemical Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Manganese	Benzene	Ethylbenzene	Total Xylenes	DRO (C10-C28)	GRO (C6-C10)	Chloride	Total Dissolved Solids
Units			mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
NMWQCC Standard			0.01	0.05	0.05	1	0.2	10	750	620	--	--	250	1000
Location ID	Sample Date	Sample Type												
MW-22	2/11/2009	N	**0.0508**	< 0.0150 U	--	--	--	**2700**	**66**	**43**	--	--	**6400**	**9840**
	8/13/2009	N	**0.0381**	< 0.0150 U	--	--	--	**3500**	**130**	< 30 U	--	--	**2990**	**6480**
	2/17/2010	N	**0.0363**	< 0.0150 U	--	--	--	**19000**	**260**	< 150 U	--	--	**2770**	**5520**
	8/10/2010	N	**0.0444**	< 0.0150 U	--	--	--	**18000**	**260**	< 150 U	--	--	**2150**	**5000**
	8/10/2010	FD	**0.0448**	< 0.0150 U	--	--	--	**18000**	**230**	< 150 U	--	--	**2420**	**4990**
	4/7/2011	N	**0.0581**	< 0.0150 U	--	--	--	**1900**	**36**	**3.2**	--	--	**6270**	**10500**
	8/11/2011	N	**0.0670**	< 0.0150 U	--	--	--	**7500**	**67**	< 60 U	--	--	**5120**	**8360**
	2/15/2012	N	**0.0242**	< 0.0150 U	--	--	--	**6800**	**6.9**	< 15 U	--	--	**10100**	**26600**
	8/13/2012	N	**0.0352**	< 0.0150 U	--	--	--	**8700**	**120**	**16**	--	--	**4660 J**	**6050**
	2/8/2013	N	**0.0285**	< 0.0150 U	--	--	--	**73**	**3.3**	< 8.0 U	--	--	**10500**	**20000**
	8/12/2013	N	**0.0200**	< 0.0150 U	--	--	--	**160**	**3.1**	**3.0**	--	--	**6840**	**13000**
	2/6/2014	N	**0.0175 J**	< 0.0150 U	--	--	--	**3400**	**39**	**8.1**	--	--	**12100**	**23700**
	8/13/2014	N	**0.0342 J**	< 0.0150 UJ	--	--	--	**7100**	**150**	**120**	--	--	**6540**	**10400**
	2/6/2015	N	**0.0194 J**	**0.0019 J**	--	--	--	**18000**	**200**	**51**	--	--	**3060**	**3720**
	8/12/2015	N	**0.0227**	**0.0020 J**	--	--	--	**15000**	**140**	**49**	--	--	**2570**	**6240**
	3/31/2016	N	**0.0367**	< 0.01 U	**0.0157**	--	--	**17100**	**205**	< 100 U	< 1.41 U	**23.1**	**2270**	**4800**
	9/9/2016	N	**0.0195**	< 0.00136 U	--	**8.22**	**0.0761**	**3090 D**	**3.05**	< 0.642 U	< 0.986 U	**3.51**	**3510**	**6160**
	4/4/2017	N	< 0.05 U	< 0.05 U	--	**0.267 J**	**0.0947 J**	**16700**	**624**	**668**	**1.62**	**2.35**	**2310**	**4050**
	4/7/2017	N	--	--	**0.0038 J**	--	--	--	--	--	--	--	--	--
MW-23	2/11/2009	N	**0.0524**	< 0.0150 U	--	--	--	**3.1**	**2.7**	< 3.0 U	--	--	**12100**	**21000**
	8/7/2009	N	**0.0566**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**8860**	**17800**
	2/9/2010	N	**0.0228**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**9770**	**17400**
	8/5/2010	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**7960**	**14400**
	4/6/2011	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**7640**	**13000**
	4/6/2011	FD	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**7660**	**12900**
	8/9/2011	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**6360**	**11200**
	2/15/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**1590**	**15000**
	8/14/2012	N	**0.0218**	< 0.0150 U	--	--	--	**13**	**2.0**	< 3.0 U	--	--	**8360 J**	**16000**
	2/7/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**8080 J**	**12000**
	8/8/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**10200 J**	**16300**
	2/6/2014	N	**0.0150 J**	**0.0029 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**9750**	**17300**
	8/12/2014	N	**0.0217**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**7610**	**12400**
	2/3/2015	N	**0.0154 J**	**0.0021 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**6740**	**10500**
	8/12/2015	N	**0.0226**	**0.0024 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**5680**	**13700**
	3/31/2016	N	**0.0275**	< 0.01 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.41 U	< 1.41 U	**4590**	**8680**
	9/9/2016	N	< 0.00336 U	< 0.00136 U	--	**0.0175 J**	< 0.000585 U	< 0.408 U	< 0.657 U	< 0.642 U	< 0.986 U	< 0.986 U	**5570**	**10300**
	4/4/2017	N	< 0.05 U	< 0.05 U	--	< 1 U	< 0.1 U	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**4150**	**8040**
	4/7/2017	N	--	--	< 0.01 U	--	--	--	--	--	--	--	--	--
MW-24	2/18/2009	N	**0.0350**	< 0.0150 U	--	--	--	**11000**	**630**	**610**	--	--	**371**	**1390**
	2/16/2010	N	**0.0355**	< 0.0150 U	--	--	--	**25000**	**990**	**520**	--	--	**201**	**1340**
	8/12/2010	N	**0.0361**	< 0.0150 U	--	--	--	**23000**	**1100**	**530**	--	--	**175**	**1450**
	4/6/2011	N	**0.0383**	< 0.0150 U	--	--	--	**23000**	**760**	**240**	--	--	**202**	**1210**
	8/10/2011	N	**0.0326**	< 0.0150 U	--	--	--	**26000**	**840**	**260**	--	--	**84.7**	**944**
	2/16/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	**27000**	**1400**	**440**	--	--	**70.2**	**1030**
	8/13/2012	N	**0.0288**	< 0.0150 U	--	--	--	**28000**	**1500**	**500**	--	--	**66.0 J**	**854**
	2/11/2013	N	**0.0306**	< 0.0150 U	--	--	--	**27000**	**1500**	**590**	--	--	**74.1**	**988**
	8/9/2013	N	**0.0239**	< 0.0150 U	--	--	--	**14000**	**580**	< 150 U	--	--	**202**	**1250**
	2/7/2014	N	**0.0213**	**0.0028 J**	--	--	--	**14000**	**970**	**230**	--	--	**184**	**1040**

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Chemical Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Manganese	Benzene	Ethylbenzene	Total Xylenes	DRO (C10-C28)	GRO (C6-C10)	Chloride	Total Dissolved Solids
Units			mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
NMWQCC Standard			0.01	0.05	0.05	1	0.2	10	750	620	--	--	250	1000
Location ID	Sample Date	Sample Type												
MW-24	8/13/2014	N	< 0.0200 UJ	< 0.0150 UJ	--	--	--	17000	870	110	--	--	282	1170
	8/13/2014	FD	< 0.0200 UJ	< 0.0150 UJ	--	--	--	22000	910	140	--	--	279	1330
	2/11/2015	N	0.0198 J	0.0025 J	--	--	--	19000	1100	380	--	--	305	1160
	8/11/2015	N	0.0161 J	0.0027 J	--	--	--	15000 J	130 J	100 J	--	--	301	1340
	4/1/2016	N	0.0335	< 0.01 U	< 0.01 U	--	--	19800	174	221	< 1.41 U	34.6	164	1610
	9/12/2016	N	0.0254	< 0.00136 U	--	3.88	0.0318	31300 D	134	110	< 0.986 U	27.7	153	1580
MW-25	2/12/2009	N	0.0272	< 0.0150 U	--	--	--	7900	560	< 75 U	--	--	2630	6470
	8/14/2009	N	< 0.0200 U	< 0.0150 U	--	--	--	8200	780	< 60 U	--	--	1940	4570
	2/17/2010	N	0.0209	< 0.0150 U	--	--	--	6800	770	16	--	--	4180	7280
	8/11/2010	N	< 0.0200 U	< 0.0150 U	--	--	--	8600	860	< 60 U	--	--	1290	3430
	8/12/2010	FD	< 0.0200 U	< 0.0150 U	--	--	--	10000	890	15	--	--	1310	3470
	4/7/2011	N	< 0.0200 U	< 0.0150 U	--	--	--	6500	740	< 60 U	--	--	2890	6060
	8/11/2011	N	< 0.0200 U	< 0.0150 U	--	--	--	6700	510	< 60 U	--	--	2900	5880
	2/15/2012	N	0.0291	< 0.0150 U	--	--	--	4800	750	34	--	--	2900	6620
	2/15/2012	FD	0.0254	< 0.0150 U	--	--	--	5000	730	34	--	--	1350	6460
	8/13/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	7900	970	41	--	--	2830 J	9480
	2/8/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	6700	790	30 J	--	--	2840	6310
	8/12/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	4500	610	< 60 U	--	--	2960	5120
	2/10/2014	N	< 0.0200 U	< 0.0150 U	--	--	--	4200 J	390 J	26 J	--	--	2470	5120
	8/13/2014	N	< 0.0200 UJ	< 0.0150 UJ	--	--	--	2800 J	540 J	1.9 J	--	--	2540	5210
	2/11/2015	N	0.0077 J	0.0020 J	--	--	--	2700	160	< 20 U	--	--	2510	5020
	2/11/2015	FD	0.0078 J	< 0.0150 U	--	--	--	2900	170	22	--	--	2260	4870
	8/11/2015	N	0.0074 J	< 0.0150 U	--	--	--	2300	100	6.4 J	--	--	2170	5070
	4/1/2016	N	< 0.01 U	< 0.01 U	< 0.01 U	--	--	1940	13.8	< 10 U	< 1.41 U	4.63	1920	4420
	4/1/2016	FD	0.0109	< 0.01 U	< 0.01 U	--	--	1970	18.9	< 10 U	< 1.41 U	4.57	190	3810
	9/12/2016	N	< 0.00336 U	< 0.00136 U	--	3.3	0.0957	2000 D	29.2	< 0.642 U	1.2 J	3.76	1830	4240
	9/12/2016	FD	< 0.00336 U	< 0.00136 U	--	3.05	0.0968	1980 D	25.1	2.22	1.32 J	2.94	1780	4200
	4/6/2017	N	< 0.05 U	< 0.05 U	< 0.01 U	0.343 J	0.0964 J	1340	35.8	< 20 U	1.72	1.9	2170	4370
	9/14/2017	N	0.00341	0.00146 J	< 0.01 U	--	--	7110	120	49.6	3.12	3.22	1810	4790
MW-26	2/17/2009	N	0.0442	< 0.0150 U	--	--	--	6100	350	78	--	--	295	1330
	2/16/2010	N	0.0493	< 0.0150 U	--	--	--	1800	160	6.0	--	--	297	1380
	8/11/2010	N	0.0485	< 0.0150 U	--	--	--	1700	150	22	--	--	240	1280
	4/7/2011	N	0.0460	< 0.0150 U	--	--	--	2800	110	8.5	--	--	354	1290
	8/9/2011	N	0.0468	< 0.0150 U	--	--	--	3300	160	22	--	--	360	1440
	2/17/2012	N	0.0320	< 0.0150 U	--	--	--	2300	120	16	--	--	256	1350
	8/13/2012	N	0.0336	< 0.0150 U	--	--	--	4600	230	32	--	--	233 J	1340
	2/8/2013	N	0.0256	< 0.0150 U	--	--	--	4400	140	< 30 U	--	--	259	1380
	8/12/2013	N	0.0263	< 0.0150 U	--	--	--	3300 J	150 J	27 J	--	--	312	1290
	8/12/2013	FD	0.0299	< 0.0150 U	--	--	--	3200 J	140 J	25 J	--	--	277	1330
	2/10/2014	N	0.0236	0.0017 J	--	--	--	2400	110	14	--	--	270	1390
	8/14/2014	N	0.0285 J	< 0.0150 UJ	--	--	--	3600	210	22	--	--	263	1260
	8/14/2014	FD	0.0293 J	< 0.0150 UJ	--	--	--	3100	220	23	--	--	268	1240
	2/11/2015	N	0.0304	< 0.0150 U	--	--	--	1200	51	14	--	--	320	1200
	8/11/2015	N	0.0352	< 0.0150 U	--	--	--	1600	7.9 J	17	--	--	260	1320
	4/1/2016	N	0.059	< 0.01 U	< 0.01 U	--	--	962	< 10 U	< 10 U	2.53	3	285	1220
	9/12/2016	N	0.0519	< 0.00136 U	--	7.35	0.039	1500 D	5.28	22	7.1	3.25	233	1270
	4/6/2017	N	0.0362 J	< 0.05 U	0.0049 J	0.26 J	0.0324 J	940	< 20 U	< 20 U	3.53	1.61	191	1200
	9/15/2017	N	0.057	< 0.004 U	< 0.01 U	--	--	1790	14.6	25.2	4.19	1.74	167	1240

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Chemical Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Manganese	Benzene	Ethylbenzene	Total Xylenes	DRO (C10-C28)	GRO (C6-C10)	Chloride	Total Dissolved Solids
Units			mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
NMWQCC Standard			0.01	0.05	0.05	1	0.2	10	750	620	--	--	250	1000
Location ID	Sample Date	Sample Type												
MW-27	2/17/2009	N	**0.0408**	< 0.0150 U	--	--	--	**12000**	**1300**	**420**	--	--	**1000**	**2390**
MW-29	2/4/2009	N	< 0.0200 U	< 0.0150 U	--	--	--	**490**	**170**	**140**	--	--	**661**	**1840**
	8/13/2009	N	< 0.0200 U	< 0.0150 U	--	--	--	**49**	**51**	**29**	--	--	**916**	**1510**
	2/15/2010	N	< 0.0200 U	< 0.0150 U	--	--	--	**130**	**190**	**58**	--	--	**389**	**1470**
	2/15/2010	FD	< 0.0200 U	< 0.0150 U	--	--	--	**120**	**180**	**58**	--	--	**434**	**1460**
	8/23/2010	N	< 0.0200 U	< 0.0150 U	--	--	--	**78**	**59**	**33**	--	--	**365**	**1380**
	4/7/2011	N	< 0.0200 U	< 0.0150 U	--	--	--	**250**	**510**	**3.7**	--	--	**371**	**1420**
	8/10/2011	N	< 0.0200 U	< 0.0150 U	--	--	--	**190**	**230**	< 15 U	--	--	**344**	**1470**
	8/10/2011	FD	< 0.0200 U	< 0.0150 U	--	--	--	**180**	**230**	< 3.0 U	--	--	**377**	**1490**
	2/9/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	**100**	**250**	**15**	--	--	**241**	**1270**
	8/8/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	**130 J**	**170 J**	**30 J**	--	--	**186**	**1230**
	2/8/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	**86 J**	**160 J**	**79 J**	--	--	**151 J**	**1140**
	2/8/2013	FD	< 0.0200 U	< 0.0150 U	--	--	--	**84 J**	**150 J**	**77 J**	--	--	**150 J**	**1180**
	8/8/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	**60 J**	**48 J**	**28 J**	--	--	**126**	**874**
	2/6/2014	N	< 0.0200 U	< 0.0150 U	--	--	--	**110 J**	**88 J**	**7.4 J**	--	--	**103 J**	**856**
	8/11/2014	N	< 0.0200 UJ	< 0.0150 UJ	--	--	--	**80 J**	**63 J**	**14 J**	--	--	**101**	**870**
	2/9/2015	N	< 0.0200 U	< 0.0150 U	--	--	--	**240 J**	**27 J**	**3.5 J**	--	--	**135**	**850**
	8/5/2015	N	< 0.0200 U	< 0.0150 U	--	--	--	**86**	**4.3**	**1.9**	--	--	**91.9 J**	**930**
	3/31/2016	N	< 0.01 U	< 0.01 U	< 0.01 U	--	--	**134**	**2.51**	< 2 U	< 1.41 U	**4.28**	**115**	**829**
	9/7/2016	N	< 0.00336 U	< 0.00136 U	**0.0101**	**6.92**	**0.107**	**90.7**	**2.25**	**1.56 J**	< 0.987 U	**4.68**	**101**	**953**
	4/5/2017	N	< 0.05 U	< 0.05 U	--	**0.323 J**	**0.115 J**	**272**	**3.87**	< 2 U	< 1.5 U	**2.15**	**131**	**918**
	4/7/2017	N	--	--	**0.0056 J**	--	--	--	--	--	--	--	--	--
	9/12/2017	N	**0.00288**	< 0.004 U	**0.0028 J**	--	--	**1600 D**	**10**	**2.92**	< 1.5 U	**1.72**	**138**	**1040**
MW-3	2/9/2009	N	< 0.0200 U	< 0.0150 U	--	--	--	**98**	**31**	< 3.0 U	--	--	**110**	**685**
	8/13/2009	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**423**	**706**
	2/16/2010	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**86.7**	**667**
	8/10/2010	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**95.0**	**694**
	4/7/2011	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**120**	**675**
	4/7/2011	FD	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**98.1**	**706**
	8/9/2011	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**134**	**784**
	2/10/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**105**	**740**
	8/9/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**133**	**744**
	2/7/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**85.4 J**	**756**
	8/12/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**80.2**	**732**
	2/4/2014	N	**0.0147 J**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**75.0**	**709**
	8/5/2014	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**59.9**	**669**
	2/3/2015	N	**0.0126 J**	**0.0019 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**68.5**	**667**
	8/6/2015	N	**0.0150 J**	**0.0024 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**71.5**	**690**
	4/1/2016	N	**0.0121**	< 0.01 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.41 U	< 1.41 U	**83.8**	**784**
	9/12/2016	N	**0.0124**	< 0.00136 U	--	< 0.00616 U	< 0.000585 U	< 0.408 U	< 0.657 U	< 0.642 U	< 0.986 U	< 0.986 U	**79**	**683**
	4/5/2017	N	< 0.05 U	< 0.05 U	< 0.01 U	< 1 U	< 0.1 U	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**83.7**	**706**
	4/5/2017	FD	< 0.05 U	< 0.05 U	< 0.01 U	**0.0738 J**	< 0.1 U	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**91.7**	**664**
	9/13/2017	N	**0.0141**	**0.00068 J**	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**74.1**	**806**
MW-30	2/4/2009	N	< 0.0200 U	< 0.0150 U	--	--	--	**75**	**10**	< 3.0 U	--	--	**412**	**1380**
	8/13/2009	N	**0.0334**	< 0.0150 U	--	--	--	**1.9**	< 1.0 U	< 3.0 U	--	--	**795**	**1250**
	2/15/2010	N	**0.0270**	< 0.0150 U	--	--	--	**1.4**	< 1.0 U	< 3.0 U	--	--	**365**	**1240**
	8/23/2010	N	**0.0263**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**374**	**1210**
	4/6/2011	N	**0.0249**	< 0.0150 U	--	--	--	**1.7**	< 1.0 U	< 3.0 U	--	--	**455**	**1330**

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Appendix E
Historical Analytical Data (through 2017)
2021 Annual Groundwater Monitoring Report
Former Eunice South Gas Plant

Chemical Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Manganese	Benzene	Ethylbenzene	Total Xylenes	DRO (C10-C28)	GRO (C6-C10)	Chloride	Total Dissolved Solids
Units			mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
NMWQCC Standard			0.01	0.05	0.05	1	0.2	10	750	620	--	--	250	1000
Location ID	Sample Date	Sample Type												
MW-30	8/10/2011	N	< 0.0200 U	< 0.0150 U	--	--	--	320	7.3	< 3.0 U	--	--	509	1470
	2/8/2012	N	0.0270	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	403	1340
	8/9/2012	N	0.0252	< 0.0150 U	--	--	--	1.5	< 1.0 U	< 3.0 U	--	--	372	1260
	2/11/2013	N	0.0209	< 0.0150 U	--	--	--	9.8	< 1.0 U	< 3.0 U	--	--	423 J	1520
	8/7/2013	N	0.0237	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	365	1370
	2/7/2014	N	0.0243	< 0.0150 U	--	--	--	0.9 J	< 1.0 U	1.5	--	--	342	1240
	8/11/2014	N	0.0200 J	< 0.0150 UJ	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	349	1350
	2/10/2015	N	0.0297	0.0017 J	--	--	--	0.5 J	< 1.0 U	< 1.0 U	--	--	312	1120
	8/5/2015	N	0.0224	0.0017 J	--	--	--	4.3	0.2 J	< 1.0 U	--	--	344 J	1320 J
	9/6/2016	N	0.0101	< 0.00136 U	< 0.01 U	0.0699 J	0.484	40.9	< 0.657 U	< 0.642 U	< 0.986 U	< 0.986 U	321	1290
	4/5/2017	N	< 0.05 U	< 0.05 U	--	< 1 U	0.529 J	32.5	< 2 U	< 2 U	< 1.5 U	< 1.5 U	328	1330
	4/7/2017	N	--	--	< 0.01 U	--	--	--	--	--	--	--	--	--
	9/12/2017	N	0.00903	< 0.004 U	< 0.01 U	--	--	53	< 2 U	2.31	< 1.5 U	< 1.5 U	307	1320
MW-31	2/9/2009	N	0.0539	< 0.0150 U	--	--	--	3700	330	6.7	--	--	454	1400
	8/14/2009	N	0.0365	< 0.0150 U	--	--	--	2000	180	< 15 U	--	--	844	1500
	2/15/2010	N	0.0323	< 0.0150 U	--	--	--	1700	190	3.0	--	--	507	1380
	8/10/2010	N	0.0420	< 0.0150 U	--	--	--	1400	130	4.7	--	--	496	1420
	4/7/2011	N	0.0452	< 0.0150 U	--	--	--	1300	200	< 3.0 U	--	--	769	1600
	8/15/2011	N	0.0361	< 0.0150 U	--	--	--	1300	190	< 15 U	--	--	666	1510
	2/8/2012	N	0.0296	< 0.0150 U	--	--	--	230	190	4.5	--	--	743	1480
	8/9/2012	N	0.0308	< 0.0150 U	--	--	--	340 J	190 J	10 J	--	--	591	1470
	2/6/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	14	17	< 5.0 U	--	--	414 J	1120
	8/6/2013	N	0.0236	< 0.0150 U	--	--	--	9.4 J	29 J	< 3.0 U	--	--	464	1530
	2/7/2014	N	0.0242	< 0.0150 U	--	--	--	0.4 J	< 1.0 U	< 2.0 U	--	--	571	1290
	8/12/2014	N	< 0.0200 U	< 0.0150 U	--	--	--	< 20 U	< 1.0 U	< 2.0 U	--	--	453	1260
	2/3/2015	N	0.0277	< 0.0150 U	--	--	--	0.5 J	< 1.0 U	< 1.0 U	--	--	476	1110
	8/6/2015	N	0.0290	0.0016 J	--	--	--	< 1.0 U	< 1.0 U	0.6 J	--	--	424	1290 J
	8/6/2015	FD	0.0236	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	0.6 J	--	--	461	1380 J
	3/30/2016	N	0.0267	< 0.01 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.41 U	< 1.41 U	417	1160
	9/6/2016	N	0.034	< 0.00136 U	< 0.01 U	1.07	0.245	< 0.408 U	< 0.657 U	< 0.642 U	< 0.987 U	< 0.987 U	218	1490
	12/12/2016	N	--	--	--	--	--	--	--	--	--	--	116	--
	4/5/2017	N	< 0.05 U	< 0.05 U	< 0.01 U	0.105 J	0.316	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	435	1310
	4/5/2017	FD	< 0.05 U	< 0.05 U	< 0.01 U	0.0918 J	0.298	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	431	1400
	9/13/2017	N	0.0347	< 0.004 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	445	1450
MW-32	2/4/2009	N	< 0.0200 U	< 0.0150 U	--	--	--	20	17	14	--	--	1540	3910
	8/12/2009	N	< 0.0200 U	< 0.0150 U	--	--	--	2.8	< 1.0 U	< 3.0 U	--	--	2180	3770
	2/12/2010	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	1370	3810
	8/9/2010	N	< 0.0200 U	< 0.0150 U	--	--	--	38	25	8.6	--	--	1860	3750
	4/6/2011	N	< 0.0200 U	< 0.0150 U	--	--	--	43	16	< 3.0 U	--	--	2080	3990
	4/6/2011	FD	< 0.0200 U	< 0.0150 U	--	--	--	45	17	< 3.0 U	--	--	1870	3900
	8/10/2011	N	< 0.0200 U	< 0.0150 U	--	--	--	99	19	5.5	--	--	2040	3790
	2/8/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	400	13	12	--	--	656	2980
	8/8/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	1400 J	7.3 J	21 J	--	--	1170	3040
	2/7/2013	N	0.0233	< 0.0150 U	--	--	--	1800 J	5.0 J	7.2 J	--	--	1200 J	3070
	8/8/2013	N	0.0233	< 0.0150 U	--	--	--	2000 J	3.2 J	8.8 J	--	--	1220	2830
	2/7/2014	N	0.0188 J	< 0.0150 U	--	--	--	4200	9.5 J	16 J	--	--	1340	3000
	8/11/2014	N	< 0.0200 UJ	< 0.0150 UJ	--	--	--	3600	7.6	91	--	--	1360	3310
	2/9/2015	N	0.0277	< 0.0150 U	--	--	--	3700	6.4 J	85	--	--	1360	2550

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Chemical Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Manganese	Benzene	Ethylbenzene	Total Xylenes	DRO (C10-C28)	GRO (C6-C10)	Chloride	Total Dissolved Solids
Units			mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
NMWQCC Standard			0.01	0.05	0.05	1	0.2	10	750	620	--	--	250	1000
Location ID	Sample Date	Sample Type												
MW-32	2/9/2015	FD	**0.0206**	< 0.0150 U	--	--	--	**3500**	**5.8 J**	**87**	--	--	**1400**	**2490**
	8/5/2015	N	**0.0304**	**0.0018 J**	--	--	--	**6500**	**5.1 J**	**15**	--	--	**1220 J**	**3010 J**
	3/31/2016	N	**0.0297**	< 0.01 U	**0.0128**	--	--	**4300**	< 40 U	< 40 U	< 1.41 U	**6.79**	**1120**	**2450**
	9/7/2016	N	**0.011**	< 0.00136 U	**0.008 J**	**6.35**	**0.0674**	**6500**	< 32.9 U	< 32.1 U	< 0.986 U	**7.52**	**1070**	**2650**
	4/7/2017	N	< 0.05 U	**0.00848 J**	**0.0056 J**	**0.0899 J**	**0.054 J**	**7560**	**177**	**119**	< 1.5 U	< 1.5 U	**988**	**2650**
	9/13/2017	N	**0.0263**	< 0.004 U	< 0.01 U	--	--	**14700**	**9.9**	**3.25**	< 1.5 U	**1.35 J**	**1070**	**3140**
MW-34	2/4/2009	N	< 0.0200 U	< 0.0150 U	--	--	--	**84**	**240**	**240**	--	--	**73**	**569**
	8/13/2009	N	< 0.0200 U	< 0.0150 U	--	--	--	**26**	**150**	**210**	--	--	**93.2**	**697**
	2/16/2010	N	< 0.0200 U	< 0.0150 U	--	--	--	**28**	**120**	**180**	--	--	**226**	**942**
	8/23/2010	N	< 0.0200 U	< 0.0150 U	--	--	--	< 50 U	**81**	**90**	--	--	**206**	**1030**
	4/6/2011	N	< 0.0200 U	< 0.0150 U	--	--	--	**170**	**160**	**190**	--	--	**385**	**1230**
	8/10/2011	N	< 0.0200 U	< 0.0150 U	--	--	--	**160**	**200**	**250**	--	--	**392**	**1410**
	8/10/2011	FD	< 0.0200 U	< 0.0150 U	--	--	--	**160**	**200**	**250**	--	--	**437**	**1340**
	2/8/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	**560**	**180**	**190**	--	--	**431**	**1160**
	8/8/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	**1100**	**120**	**100**	--	--	**300**	**1450**
	2/7/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	**910 J**	**84 J**	**46 J**	--	--	**322 J**	**1580**
	8/8/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	**1400 J**	**80 J**	**51 J**	--	--	**298**	**1340**
	2/6/2014	N	< 0.0200 U	< 0.0150 U	--	--	--	**1200**	**16 J**	**7.7 J**	--	--	**394 J**	**1540**
	2/6/2014	FD	< 0.0200 U	< 0.0150 U	--	--	--	**1200**	**14**	**6.9**	--	--	**268 J**	**1370**
	8/11/2014	N	< 0.0200 UJ	< 0.0150 UJ	--	--	--	**1500**	**21**	**6.8**	--	--	**293**	**1410**
	2/10/2015	N	< 0.0200 U	< 0.0150 U	--	--	--	**870**	**3.0 J**	< 5.0 U	--	--	**269**	**1330**
	8/4/2015	N	< 0.0200 U	< 0.0150 U	--	--	--	**1500**	**7.1 J**	**2.5 J**	--	--	**272 J**	**1540 J**
	3/31/2016	N	< 0.01 U	< 0.01 U	< 0.01 U	--	--	**230**	< 2 U	< 2 U	**5.4**	**3.22**	**272**	**1160**
	9/7/2016	N	< 0.00336 U	< 0.00136 U	< 0.01 U	**3.43**	**0.0506**	**1590**	< 13.1 U	< 12.8 U	**1.32 J**	**3.99**	< 0.858 U	**1390**
	4/5/2017	N	< 0.05 U	**0.0078 J**	--	**0.162 J**	**0.0612 J**	**1840**	**85**	**45.4**	< 1.5 U	< 1.5 U	**244**	**1340**
	4/7/2017	N	--	--	**0.0034 J**	--	--	--	--	--	--	--	--	--
	9/12/2017	N	**0.00215**	< 0.004 U	**0.003 J**	--	--	**2420 J**	< 2 UJ	< 2 UJ	**1.04 J**	< 1.5 U	**235**	**1500**
MW-35	4/12/2017	N	--	--	< 0.01 U	--	--	**0.75 J**	< 2 U	< 2 U	**1.77**	**2.28**	**1810**	**3300**
	9/15/2017	N	**0.0293 J**	< 0.004 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**941**	**2090**
MW-36	4/12/2017	N	--	--	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**391**	**1150**
	9/15/2017	N	**0.00957 J**	< 0.004 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**393**	**1350**
MW-4	2/11/2009	N	**0.0207**	< 0.0150 U	--	--	--	**5.9**	**4.7**	< 3.0 U	--	--	**4190**	**9220**
	2/11/2009	FD	< 0.0200 U	< 0.0150 U	--	--	--	**5.9**	**4.8**	< 3.0 U	--	--	**4900**	**9800**
	8/12/2009	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**3600**	**6940**
	2/12/2010	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**3480**	**5790**
	8/6/2010	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**3100**	**6110**
	8/10/2011	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**3610**	**6680**
	2/14/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**1180**	**8480**
	8/10/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**3230 J**	**6090**
	2/7/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**2420 J**	**4910**
	8/8/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**3040 J**	**5310**
	2/5/2014	N	< 0.0200 U	**0.0021 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**2290**	**4920**
	8/12/2014	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**3910**	**6880**
	2/4/2015	N	**0.0093 J**	**0.0023 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**2490**	**4650**
	8/10/2015	N	**0.0099 J**	**0.0019 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**2300**	**4720**
	9/12/2016	N	< 0.00336 U	< 0.00136 U	--	**0.338**	**1.43**	**1.77 J**	< 0.657 U	< 0.642 U	< 0.987 U	< 0.987 U	**3740**	**6810**
	9/12/2016	FD	< 0.00336 U	< 0.00136 U	--	**0.242**	**1.04**	**1.55 J**	< 0.657 U	< 0.642 U	< 0.986 U	**1.05 J**	**2400**	**5280**
	4/4/2017	N	< 0.05 U	< 0.05 U	--	**0.0629 J**	**1.14**	**4.02**	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**2390**	**4180**

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Appendix E
Historical Analytical Data (through 2017)
2021 Annual Groundwater Monitoring Report
Former Eunice South Gas Plant

Chemical Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Manganese	Benzene	Ethylbenzene	Total Xylenes	DRO (C10-C28)	GRO (C6-C10)	Chloride	Total Dissolved Solids
Units			mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
NMWQCC Standard			0.01	0.05	0.05	1	0.2	10	750	620	--	--	250	1000
Location ID	Sample Date	Sample Type												
MW-4	4/7/2017	N	--	--	< 0.01 U	--	--	--	--	--	--	--	--	--
	9/13/2017	N	**0.00758**	< 0.004 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**2500**	**5360**
MW-6	2/5/2009	N	**0.0269**	< 0.0150 U	--	--	--	**3.1**	**7.6**	**6.7**	--	--	**5050**	**10700**
	8/7/2009	N	**0.0247**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**748**	**3160**
	2/9/2010	N	**0.0227**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**867**	**2950**
	8/5/2010	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**1070**	**3940**
	4/6/2011	N	**0.0230**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**913**	**2940**
	8/9/2011	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**973**	**3180**
	2/9/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**1050**	**3400**
	8/10/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**2190 J**	**5980**
	2/7/2013	N	**0.0248**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**1170 J**	**4120**
	2/7/2013	FD	**0.0241**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**1210 J**	**4040**
	8/6/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**1910**	**5990**
	2/5/2014	N	**0.0193 J**	**0.0024 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**2030 J**	**5620**
	8/5/2014	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**3810**	**8280**
	2/5/2015	N	**0.0257**	**0.0022 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**825**	**3450**
	8/7/2015	N	**0.0328 J**	**0.0018 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**1020**	**3960**
	3/31/2016	N	**0.0344**	< 0.01 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.41 U	< 1.41 U	**1430**	**3490**
	9/7/2016	N	**0.0167**	< 0.00136 U	< 0.01 U	**0.449**	**0.125**	< 0.408 U	< 0.657 U	< 0.642 U	< 0.987 U	< 0.987 U	**1440**	**4480**
	4/4/2017	N	< 0.05 U	< 0.05 U	< 0.01 U	**0.0437 J**	**0.115**	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**866**	**3700**
MW-7	2/5/2009	N	< 0.0200 U	< 0.0150 U	--	--	--	**2.8**	**11**	**9.0**	--	--	**97.1**	**1060**
	8/6/2009	N	**0.0277**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**51.3**	**1010**
	2/9/2010	N	**0.0250**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**38.4**	**1000**
	8/5/2010	N	**0.0258**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**33.6**	**1030**
	4/6/2011	N	**0.0273**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**101**	**894**
	8/9/2011	N	**0.0256**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**35.7**	**876**
	2/9/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**40.9**	**884**
	8/9/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**71.1**	**1040**
	2/6/2013	N	**0.0226**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**41.3 J**	**1180**
	8/6/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**56.4**	**1370**
	2/4/2014	N	**0.0085 J**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**44.8**	**1420**
	8/5/2014	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**46.7**	**1420**
	2/3/2015	N	< 0.0200 U	**0.0014 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**49.3**	**1150**
	8/7/2015	N	**0.0084 J**	**0.0018 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**78.1**	**1400**
	9/9/2016	N	**0.0138**	< 0.00136 U	--	**4.25**	**1.26**	< 0.408 U	< 0.657 U	< 0.642 U	< 0.986 U	< 0.986 U	**154**	**1170**
	4/4/2017	N	< 0.05 U	< 0.05 U	< 0.01 U	**0.265 J**	**1.08**	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**95.7**	**1050**
MW-8	8/6/2009	N	**0.0442**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**1310**	**4010**
	2/5/2010	N	**0.0321**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**1230**	**3710**
	8/4/2010	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**1420**	**3690**
	4/6/2011	N	**0.0220**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**1230**	**3270**
	8/8/2011	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**1250**	**3130**
	2/8/2012	N	**0.0224**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**1350**	**3420**
	8/8/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**1260**	**3280**
	8/8/2012	FD	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**1310 J**	**3380**
	2/6/2013	FD	**0.0235**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**874 J**	**1640**
	2/7/2013	N	**0.0282**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**1440 J**	**3780**
	8/8/2013	N	**0.0399**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**1550**	**4020**
	2/5/2014	N	**0.0224 J**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	**0.7 J**	--	--	**1810 J**	**4260**

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Chemical Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Manganese	Benzene	Ethylbenzene	Total Xylenes	DRO (C10-C28)	GRO (C6-C10)	Chloride	Total Dissolved Solids
Units			mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
NMWQCC Standard			0.01	0.05	0.05	1	0.2	10	750	620	--	--	250	1000
Location ID	Sample Date	Sample Type												
MW-8	8/8/2014	N	**0.0436**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**1720**	**4110 J**
	2/5/2015	N	**0.0154 J**	**0.0014 J**	--	--	--	< 1.0 U	**0.6 J**	**1.3**	--	--	**1630**	**4000**
	8/5/2015	N	**0.0234**	**0.0021 J**	--	--	--	< 1.0 U	**0.4 J**	**0.9 J**	--	--	**1260 J**	**4100 J**
	3/31/2016	N	**0.029**	< 0.01 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.41 U	< 1.41 U	**1200**	**3150**
	9/6/2016	N	**0.0311**	< 0.00136 U	< 0.01 U	**4.39**	**0.236**	< 0.408 U	< 0.657 U	< 0.642 U	< 0.986 U	< 0.986 U	**51**	**2920**
	4/5/2017	N	< 0.05 U	< 0.05 U	**0.0067 J**	**0.0964 J**	**0.181**	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**840**	**2620**
	4/5/2017	FD	< 0.05 U	< 0.05 U	**0.0042 J**	**0.0918 J**	**0.194**	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**851**	**2460**
	9/12/2017	N	**0.0408**	< 0.004 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**782**	**3300**
MW-9	2/12/2009	N	< 0.0200 U	< 0.0150 U	--	--	--	**3700**	**470**	**140**	--	--	**560**	**1720**
	8/14/2009	N	**0.0244**	< 0.0150 U	--	--	--	**1600**	**64**	< 3.0 U	--	--	**802**	**1540**
	2/15/2010	N	**0.0221**	< 0.0150 U	--	--	--	**2700**	**430**	**6.0**	--	--	**536**	**1640**
	8/23/2010	N	< 0.0200 U	< 0.0150 U	--	--	--	**1500**	**250**	< 15 U	--	--	**583**	**1680**
	4/7/2011	N	**0.0201**	< 0.0150 U	--	--	--	**1400**	**270**	< 3.0 U	--	--	**608**	**1640**
	8/10/2011	N	< 0.0200 U	< 0.0150 U	--	--	--	**610**	**210**	**3.7**	--	--	**544**	**1710**
	2/9/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	**220 J**	**200 J**	**4.5 J**	--	--	**525**	**1680**
	8/8/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	**16**	**5.0**	< 3.0 U	--	--	**492**	**1730**
	2/11/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	**61**	**130**	**6.2**	--	--	**580 J**	**1970**
	8/7/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	**54**	**110**	< 5.0 U	--	--	**504**	**1710**
	2/7/2014	N	< 0.0200 U	< 0.0150 U	--	--	--	**13**	**5.9**	**2.2**	--	--	**490**	**1600**
	8/8/2014	N	< 0.0200 U	< 0.0150 U	--	--	--	**42**	**21**	< 3.0 U	--	--	**602**	**1770 J**
	2/9/2015	N	**0.0136 J**	< 0.0150 U	--	--	--	**8.1**	**0.2 J**	< 1.0 U	--	--	**576**	**1640**
	8/4/2015	N	**0.0119 J**	**0.0022 J**	--	--	--	**1.6**	< 1.0 U	< 1.0 U	--	--	**504 J**	**1680 J**
	3/30/2016	N	< 0.01 U	< 0.01 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.41 U	< 1.41 U	**526**	**1660**
	9/6/2016	N	**0.0106**	< 0.00136 U	< 0.01 U	**0.24**	**0.312**	< 0.408 U	< 0.657 U	< 0.642 U	< 0.986 U	< 0.986 U	**477**	**1770**
	4/5/2017	N	< 0.05 U	< 0.05 U	--	**0.0551 J**	**0.307 J**	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**453**	**1650**
	4/7/2017	N	--	--	< 0.01 U	--	--	--	--	--	--	--	--	--
	9/12/2017	N	**0.0131**	< 0.004 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**434**	**1760**
MWD-1	2/11/2009	N	**0.0263**	< 0.0150 U	--	--	--	**3.7**	**3.1**	< 3.0 U	--	--	**10500**	**19600**
	8/6/2009	N	< 0.0200 U	< 0.0150 U	--	--	--	**1.9**	< 1.0 U	< 3.0 U	--	--	**9340**	**18800**
	2/8/2010	N	< 0.0200 U	< 0.0150 U	--	--	--	**1.2**	< 1.0 U	< 3.0 U	--	--	**9500**	**17400**
	8/4/2010	N	**0.0293**	< 0.0150 U	--	--	--	**5.0**	< 1.0 U	< 3.0 U	--	--	**8490**	**11100**
	4/14/2011	N	**0.0221**	< 0.0150 U	--	--	--	**4.5**	< 1.0 U	< 3.0 U	--	--	**9670**	**18100**
	8/17/2011	N	< 0.0200 U	< 0.0150 U	--	--	--	**5.4**	**1.9**	< 3.0 U	--	--	**8950**	**13000**
	2/13/2012	N	**0.0379 J**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**1630 J**	**7950 J**
	2/13/2012	FD	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**381 J**	**1470 J**
	8/13/2012	N	**0.0210**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**8220 J**	**13300**
	2/6/2013	N	**0.0201**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**3820 J**	**7330**
	8/7/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**7290**	**11400**
	2/4/2014	N	**0.0158 J**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**8140 J**	**12800**
	8/6/2014	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**4860**	**9920**
	2/6/2015	N	**0.0513**	**0.0088 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**908**	**2000**
	8/6/2015	N	**0.0572**	**0.0087 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**712**	**2040**
	4/1/2016	N	**0.0375**	< 0.01 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.41 U	< 1.41 U	**718**	**1820**
	9/9/2016	N	**0.0571**	**0.00432 J**	--	< 0.00616 U	**0.00129 J**	< 0.408 U	< 0.657 U	< 0.642 U	< 0.986 U	< 0.986 U	**815**	**1840**
	4/6/2017	N	**0.0715**	< 0.05 U	< 0.01 U	< 1 U	< 0.1 U	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**629**	**1700**
	9/13/2017	N	**0.0514**	**0.00479**	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**635**	**1910**

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Chemical Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Manganese	Benzene	Ethylbenzene	Total Xylenes	DRO (C10-C28)	GRO (C6-C10)	Chloride	Total Dissolved Solids
Units			mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
NMWQCC Standard			0.01	0.05	0.05	1	0.2	10	750	620	--	--	250	1000
Location ID	Sample Date	Sample Type												
MWD-10	2/12/2009	N	**0.0866**	< 0.0150 U	--	--	--	**700**	**100**	**18**	--	--	**6130**	**11600**
	8/10/2009	N	**0.0739**	< 0.0150 U	--	--	--	**700**	**67**	**13**	--	--	**5550**	**11400**
	8/10/2009	FD	**0.0717**	< 0.0150 U	--	--	--	**700**	**70**	**14**	--	--	**5670**	**12600**
	2/9/2010	N	**0.0717**	< 0.0150 U	--	--	--	**1100**	**40**	< 3.0 U	--	--	**6590**	**10900**
	8/19/2011	N	**0.0695**	< 0.0150 U	--	--	--	**810**	**76**	**8.5**	--	--	**4660**	**9810**
MWD-11	2/10/2009	N	< 0.020 U	< 0.0150 U	--	--	--	**13**	**6.6**	< 3.0 U	--	--	**2640**	**4670**
	8/12/2009	N	< 0.0200 U	< 0.0150 U	--	--	--	**3.5**	**1.2**	< 3.0 U	--	--	**2460**	**4370**
	2/8/2010	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**2210**	**4440**
	8/5/2010	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**1560**	**3330**
	4/15/2011	N	< 0.0200 U	< 0.0150 U	--	--	--	**4.2**	< 1.0 U	< 3.0 U	--	--	**2400**	**4750**
	4/15/2011	FD	< 0.0200 U	< 0.0150 U	--	--	--	**4.3**	< 1.0 U	< 3.0 U	--	--	**2370**	**4110**
	8/19/2011	N	< 0.0200 U	< 0.0150 U	--	--	--	**4.0**	**1.4**	< 3.0 U	--	--	**1520**	**3130**
	8/19/2011	FD	< 0.0200 U	< 0.0150 U	--	--	--	**3.4**	**1.4**	< 3.0 U	--	--	**1340**	**3370**
	2/10/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**205**	**932**
	8/9/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**315 J**	**864**
	8/9/2012	FD	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**156 J**	**836**
	2/5/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**623 J**	**1450**
	8/9/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**701**	**1600**
	8/9/2013	FD	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**675**	**1670**
	2/4/2014	N	**0.0079 J**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**1700 J**	**3520**
	8/5/2014	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**112**	**656**
	2/5/2015	N	**0.0183 J**	**0.0024 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**89.6**	**672**
	8/10/2015	N	**0.0217 J**	**0.0022 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**85.9**	**682**
	4/1/2016	N	**0.0143**	< 0.01 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.41 U	< 1.41 U	**66.9**	**630**
	9/12/2016	N	**0.012**	< 0.00136 U	--	< 0.00616 U	< 0.000585 U	< 0.408 U	< 0.657 U	< 0.642 U	< 0.987 U	< 0.987 U	**94.2**	**707**
	4/5/2017	N	< 0.05 U	< 0.05 U	< 0.01 U	< 1 U	< 0.1 U	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**91.6**	**722**
	9/15/2017	N	**0.0157 J**	**0.00142 J**	**0.0058 J**	--	--	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**101 J**	**758 J**
	9/15/2017	FD	**0.0276 J**	< 0.004 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**1190 J**	**2560 J**
MWD-12	2/10/2009	N	**0.0534**	< 0.0150 U	--	--	--	**900**	**69**	**25**	--	--	**5280**	**7480**
	8/6/2009	N	**0.0617**	< 0.0150 U	--	--	--	**660**	**41**	**12**	--	--	**4350**	**9440**
	2/5/2010	N	**0.0629**	< 0.0150 U	--	--	--	**700**	**51**	**12**	--	--	**4630**	**8600**
	8/4/2010	N	**0.0636**	< 0.0150 U	--	--	--	**640**	**40**	**9.3**	--	--	**4340**	**8100**
	4/14/2011	N	**0.0632**	< 0.0150 U	--	--	--	**780**	**57**	**13**	--	--	**5260**	**8820**
	8/17/2011	N	**0.0572**	< 0.0150 U	--	--	--	**720**	**49**	**12**	--	--	**5090**	**8460**
	2/10/2012	N	**0.0317**	< 0.0150 U	--	--	--	**1.7**	< 1.0 U	< 3.0 U	--	--	**8390**	**22800**
	8/9/2012	N	**0.0761**	< 0.0150 U	--	--	--	**1000**	**45**	**13**	--	--	**3280**	**6340**
	2/11/2013	N	**0.0515**	< 0.0150 U	--	--	--	**660**	**31**	**8.3**	--	--	**1630 J**	**4400**
	8/8/2013	N	**0.0679**	< 0.0150 U	--	--	--	**930**	**44**	**13**	--	--	**1500**	**3670**
	2/6/2014	N	**0.0805**	< 0.0150 U	--	--	--	**1300**	**54**	**11**	--	--	**2320**	**5420**
	8/11/2014	N	**0.0662 J**	< 0.0150 UJ	--	--	--	**160**	**17**	< 1.0 U	--	--	**4370**	**7040**
	8/11/2014	FD	**0.0714 J**	< 0.0150 UJ	--	--	--	**160**	**17**	< 1.0 U	--	--	**4290**	**7480**
	2/9/2015	N	**0.0362**	< 0.0150 U	--	--	--	**5.8**	**9.5**	**3.8**	--	--	**667**	**2410**
	8/5/2015	N	**0.0463**	**0.0016 J**	--	--	--	**6.9**	**85**	**8.7**	--	--	**694 J**	**2690 J**
	3/31/2016	N	**0.0435**	< 0.01 U	< 0.01 U	--	--	**32.6**	**14.5**	< 2 U	< 1.41 U	< 1.41 U	**714**	**4570**
	9/7/2016	N	**0.0165**	< 0.00136 U	< 0.01 U	**1.21**	**0.13**	**51.4**	**109**	**4.85**	< 0.986 U	**1.39 J**	**998**	**2730**
	4/6/2017	N	**0.0375 J**	< 0.05 U	**0.0028 J**	**0.161 J**	**0.0977 J**	**48**	**74.5**	**5.92**	**3.07**	**1.61**	**962**	**2780**
	9/13/2017	N	**0.037**	< 0.004 U	< 0.01 U	--	--	**27.1**	**83.4**	**2.33**	< 1.5 U	< 1.5 U	**793**	**2740**

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Appendix E
Historical Analytical Data (through 2017)
2021 Annual Groundwater Monitoring Report
Former Eunice South Gas Plant

Chemical Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Manganese	Benzene	Ethylbenzene	Total Xylenes	DRO (C10-C28)	GRO (C6-C10)	Chloride	Total Dissolved Solids
Units			mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
NMWQCC Standard			0.01	0.05	0.05	1	0.2	10	750	620	--	--	250	1000
Location ID	Sample Date	Sample Type												
MWD-13	2/5/2009	N	**0.0244**	< 0.0150 U	--	--	--	**1.2**	**3.6**	**3.1**	--	--	**6610**	**12600**
	2/5/2009	FD	< 0.0200 U	< 0.0150 U	--	--	--	**1.2**	**3.6**	**3.1**	--	--	**6830**	**13000**
	8/7/2009	N	**0.0264**	< 0.0150 U	--	--	--	**1.1**	< 1.0 U	< 3.0 U	--	--	**9110**	**20800**
	2/5/2010	N	**0.0257**	< 0.0150 U	--	--	--	**2.7**	< 1.0 U	< 3.0 U	--	--	**1840**	**5540**
	8/20/2010	N	**0.0245**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**1950**	**5710**
	4/15/2011	N	< 0.100 U	< 0.0750 U	--	--	--	**3.6**	< 1.0 U	< 3.0 U	--	--	**26800**	**45400**
	8/17/2011	N	**0.0240**	< 0.0150 U	--	--	--	**9.8**	**2.9**	< 3.0 U	--	--	**12400**	**17500**
	2/9/2012	N	**0.0531**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**935**	**3100**
	8/10/2012	N	**0.0232**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**1820 J**	**5530**
	2/8/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**5280 J**	**13300**
	8/6/2013	N	**0.0205**	< 0.0150 U	--	--	--	**11**	< 1.0 U	< 3.0 U	--	--	**20000**	**37000**
	2/5/2014	N	**0.0172 J**	**0.0018 J**	--	--	--	**3.1**	< 1.0 U	< 1.0 U	--	--	**11900 J**	**20900**
	8/5/2014	N	**0.0594**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**2850**	**7000**
	2/5/2015	N	**0.0702**	**0.0024 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**1250**	**3930**
	8/7/2015	N	**0.0464 J**	**0.0027 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**1300**	**4760**
	3/31/2016	N	**0.0451**	< 0.01 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.41 U	< 1.41 U	**1760**	**3860**
	9/7/2016	N	**0.0304**	< 0.00136 U	< 0.01 U	**0.102 J**	**0.177**	< 0.408 U	< 0.657 U	< 0.642 U	< 0.986 U	< 0.986 U	**4010**	**8690**
	4/4/2017	N	< 0.05 U	< 0.05 U	< 0.01 U	< 1 U	**0.269**	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**1930**	**5150**
	9/12/2017	N	**0.0294**	**0.000896 J**	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**2620**	**6280**
MWD-14	2/12/2009	N	**0.0589**	< 0.0150 U	--	--	--	**1400**	**16**	< 15 U	--	--	**9170**	**18500**
	8/10/2009	N	**0.0543**	< 0.0150 U	--	--	--	**1600**	**31**	**18**	--	--	**10700**	**21200**
	2/9/2010	N	**0.0612**	< 0.0150 U	--	--	--	**1400**	**13**	**7.8**	--	--	**11800**	**19000**
	8/5/2010	N	**0.0520**	< 0.0150 U	--	--	--	**1300**	**31**	**20**	--	--	**7150**	**13700**
	8/19/2011	N	**0.0587**	< 0.0150 U	--	--	--	**730 E**	**11**	**17**	--	--	**10900**	**19200**
	8/19/2011	FD	**0.0602**	< 0.0750 U	--	--	--	**1400**	**12**	**18**	--	--	**9990**	**18500**
	2/17/2012	N	**0.0585**	< 0.0150 U	--	--	--	**1200**	**100**	**74**	--	--	**5220**	**10400**
	2/17/2012	FD	**0.0532**	< 0.0150 U	--	--	--	**1300**	**98**	**66**	--	--	**6140**	**10600**
	8/9/2012	N	**0.0265**	< 0.0150 U	--	--	--	**1600 J**	**190 J**	**100 J**	--	--	**4900**	**8960**
	2/8/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	**1200**	**310 J**	**98 J**	--	--	**4170**	**8670**
	8/8/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	**1700**	**460**	**92 J**	--	--	**4800**	**8560**
	2/6/2014	N	**0.0274**	< 0.0150 U	--	--	--	**1100**	**170**	**29**	--	--	**7180**	**10400**
	8/13/2014	N	< 0.0200 UJ	< 0.0150 UJ	--	--	--	**1900 J**	**580 J**	**63 J**	--	--	**5290**	**7960**
	2/11/2015	N	**0.0077 J**	**0.0015 J**	--	--	--	**1300**	**210**	**41**	--	--	**3910**	**6880**
	8/5/2015	N	**0.0079 J**	< 0.0150 U	--	--	--	**1000**	**400**	**90**	--	--	**4070 J**	**8030**
	4/1/2016	N	< 0.01 U	< 0.01 U	< 0.01 U	--	--	**940**	**250**	**46.8**	< 1.41 U	**2.83**	**3460**	**6980**
	9/7/2016	N	< 0.00336 U	< 0.00136 U	**0.0097 J**	**0.886**	**0.128**	**1080**	**467**	**108**	**1.2 J**	**3.3**	**3650**	**7190**
	4/6/2017	N	< 0.05 U	< 0.05 U	< 0.01 U	**0.212 J**	**0.161 J**	**1320**	**337**	**86.5**	**2.02**	< 1.5 U	**2980**	**5760**
	9/14/2017	N	**0.00292**	**0.000812 J**	< 0.01 U	--	--	**2600**	**369**	**30.3**	< 1.5 U	**1.59**	**1210**	**4090**
MWD-15	2/12/2009	N	**0.0540**	< 0.0150 U	--	--	--	**440**	**210**	**56**	--	--	**20800**	**37000**
	2/12/2009	FD	**0.0606**	< 0.0150 U	--	--	--	**420**	**210**	**55**	--	--	**20400**	**37000**
	8/12/2009	N	< 0.100 U	< 0.0750 U	--	--	--	**300**	**120**	**29**	--	--	**26500**	**31500**
	2/8/2010	N	< 0.100 U	< 0.0150 U	--	--	--	**360**	**23**	**4.6**	--	--	**33700**	**56400**
	8/5/2010	N	**0.0785**	< 0.0750 U	--	--	--	**240**	**28**	< 5.0 U	--	--	**19100**	**33400**
	4/15/2011	N	< 0.100 U	< 0.150 U	--	--	--	**280**	**14**	< 3.0 U	--	--	**90600**	**136000**
	8/19/2011	N	**0.0749**	< 0.0150 U	--	--	--	**150**	**93**	**64**	--	--	**7180**	**19000**
	2/16/2012	N	< 0.100 U	< 0.0750 U	--	--	--	< 230 U	**7.6**	< 3.0 U	--	--	**33100**	**160000**
	8/10/2012	N	**0.0707**	< 0.0150 U	--	--	--	< 1.0 U	**2.3**	**8.9**	--	--	**3420 J**	**7350**
	2/8/2013	N	**0.120**	< 0.0150 U	--	--	--	**20**	**20**	**18**	--	--	**1620 J**	**4980**

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Appendix E
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2021 Annual Groundwater Monitoring Report
Former Eunice South Gas Plant

Chemical Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Manganese	Benzene	Ethylbenzene	Total Xylenes	DRO (C10-C28)	GRO (C6-C10)	Chloride	Total Dissolved Solids
Units			mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
NMWQCC Standard			0.01	0.05	0.05	1	0.2	10	750	620	--	--	250	1000
Location ID	Sample Date	Sample Type												
MWD-15	8/8/2013	N	**0.0559**	< 0.0150 U	--	--	--	**1.3**	**6.1**	**12**	--	--	**4010 J**	**10600**
	2/5/2014	N	**0.0905**	< 0.0150 U	--	--	--	**0.2 J**	**1.7**	**11**	--	--	**2500**	**5610**
	8/12/2014	N	**0.0971**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	**1.9**	--	--	**2500**	**6440**
	2/4/2015	N	**0.0312**	**0.0014 J**	--	--	--	**12**	**19**	**35**	--	--	**1720**	**4000**
	8/11/2015	N	**0.0953**	**0.0015 J**	--	--	--	**1.1**	**0.4 J**	**0.7 J**	--	--	**1650**	**4180**
	8/11/2015	FD	**0.0881**	< 0.0150 U	--	--	--	**0.8 J**	**0.4 J**	< 5.0 UJ	--	--	**1620**	**3990**
	4/1/2016	N	**0.036**	< 0.01 U	< 0.01 U	--	--	**4.37**	< 2 U	**2.5**	< 1.41 U	< 1.41 U	**1520**	**2560**
	9/9/2016	N	**0.025**	**0.00181 J**	--	**2.1**	**0.103**	**2.56**	**3.58**	**12.4**	< 0.986 U	**1.08 J**	**1170**	**3400**
	4/6/2017	N	< 0.05 U	< 0.05 U	**0.0061 J**	**0.199 J**	**0.0899 J**	**17.7**	**24.4**	**58.5**	< 1.5 U	**2.2**	< 25 U	**3390**
	9/14/2017	N	**0.0258**	**0.000651 J**	**0.0025 J**	--	--	**5.98**	**2.62**	**10.2**	< 1.5 U	**1.24 J**	**1450**	**4010**
MWD-16	2/12/2009	N	**0.0376**	< 0.0150 U	--	--	--	**770**	**300**	**170**	--	--	**8080**	**16500**
	8/10/2009	N	**0.0484**	< 0.0150 U	--	--	--	**660**	**280**	**160**	--	--	**8750**	**17600**
	2/9/2010	N	**0.0426**	< 0.0150 U	--	--	--	**760**	**340**	**180**	--	--	**7160**	**14100**
	8/5/2010	N	**0.0399**	< 0.0150 U	--	--	--	**700**	**280**	**140**	--	--	**4570**	**8600**
MWD-17	2/12/2009	N	**0.471**	< 0.0150 U	--	--	--	**2400**	**34**	**22**	--	--	**34400**	**62500**
	8/12/2009	N	**0.616**	< 0.0750 U	--	--	--	**3200**	**68**	**45**	--	--	**46500**	**67800**
	2/9/2010	N	**0.535**	< 0.0150 U	--	--	--	**1800**	**100**	**37**	--	--	**18900**	**34100**
	8/6/2010	N	**0.669**	< 0.0750 U	--	--	--	**2100**	**71**	**36**	--	--	**29200**	**53500**
	4/15/2011	N	**0.376**	< 0.0750 U	--	--	--	**1900**	**110**	**38**	--	--	**39200**	**65200**
	8/16/2011	N	**0.600**	< 0.0750 U	--	--	--	**2200**	**140**	**54**	--	--	**53500**	**101000**
	2/21/2012	N	**0.999**	< 0.0150 U	--	--	--	**1500**	**220**	< 62 UJ	--	--	**8690**	**20600**
	8/14/2012	N	--	--	--	--	--	**1200**	**47**	**15**	--	--	**6900 J**	**13800**
	8/24/2012	N	< 0.200 U	< 0.150 U	--	--	--	--	--	--	--	--	--	--
	2/11/2013	N	**1.13**	< 0.0150 U	--	--	--	**2600**	**520**	**220**	--	--	**11400**	**23200**
	8/8/2013	N	**1.30**	< 0.0150 U	--	--	--	**5100 J**	**20 J**	**20 J**	--	--	**17400 J**	**27300**
	2/6/2014	N	**0.429**	< 0.0150 U	--	--	--	**1600**	**240**	**43**	--	--	**8470 J**	**16600**
	8/12/2014	N	< 0.100 U	< 0.0750 U	--	--	--	**210 J**	**14 J**	**18 J**	--	--	**117000**	**203000**
	2/10/2015	N	**0.0698**	< 0.0150 U	--	--	--	**260**	**9.9**	< 5.0 U	--	--	**6480**	**8230**
	8/12/2015	N	**0.0819**	**0.0018 J**	--	--	--	**130**	**16**	< 5.0 U	--	--	**5720**	**12200**
	3/31/2016	N	**0.0518**	< 0.01 U	< 0.01 U	--	--	**567**	**110**	< 10 U	< 1.41 U	**2.06**	**6030**	**11800**
	9/7/2016	N	< 0.00336 U	< 0.00136 U	**0.0152**	**1.58**	**0.127**	**957**	**251**	< 12.8 U	< 0.987 U	**2.63**	**6300**	**12900**
	4/4/2017	N	**0.0765**	< 0.05 U	--	**0.0942 J**	**0.118**	**790**	**145**	**17.3**	< 1.5 U	< 1.5 U	**7460**	**13300**
	4/7/2017	N	--	--	< 0.01 U	--	--	--	--	--	--	--	--	--
MWD-2	2/10/2009	N	< 0.020 U	**0.0219**	--	--	--	**6.2**	**3.6**	< 3.0 U	--	--	**14500**	**31100**
	8/12/2009	N	< 0.0200 U	< 0.0750 U	--	--	--	**3.5**	**1.2**	< 3.0 U	--	--	**18200**	**25900**
	2/8/2010	N	< 0.100 U	**0.0206**	--	--	--	**1.6**	< 1.0 U	< 3.0 U	--	--	**27900**	**44900**
	8/5/2010	N	< 0.0200 U	< 0.0750 U	--	--	--	**1.4**	< 1.0 U	< 3.0 U	--	--	**15800**	**26500**
	8/5/2010	FD	< 0.0200 U	< 0.0750 U	--	--	--	**1.6**	< 1.0 U	< 3.0 U	--	--	**15600**	**27900**
	4/15/2011	N	< 0.100 U	< 0.0750 U	--	--	--	**7.8**	< 1.0 U	< 3.0 U	--	--	**26700**	**31500**
	8/17/2011	N	< 0.0200 U	< 0.0150 U	--	--	--	**2.6**	< 1.0 U	< 3.0 U	--	--	**19600**	**26700**
	2/14/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**3460**	**8720**
	8/10/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**2860 J**	**5770**
	2/5/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**7570 J**	**9240**
	2/5/2013	FD	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**7920 J**	**9530**
	8/8/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**11500 J**	**18900**
	2/4/2014	N	< 0.100 U	**0.0446 J**	--	--	--	**3.4**	< 1.0 U	< 1.0 U	--	--	**59700**	**60200**
	8/6/2014	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**2620**	**5120**
	8/6/2014	FD	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**2620**	**5250**

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Appendix E
Historical Analytical Data (through 2017)
2021 Annual Groundwater Monitoring Report
Former Eunice South Gas Plant

Chemical Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Manganese	Benzene	Ethylbenzene	Total Xylenes	DRO (C10-C28)	GRO (C6-C10)	Chloride	Total Dissolved Solids
Units			mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
NMWQCC Standard			0.01	0.05	0.05	1	0.2	10	750	620	--	--	250	1000
Location ID	Sample Date	Sample Type												
MWD-2	2/4/2015	N	< 0.0200 U	**0.0018 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**1900**	**4250**
	8/10/2015	N	**0.0103 J**	**0.0016 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**2060**	**4470**
	4/1/2016	N	< 0.01 U	< 0.01 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.41 U	< 1.41 U	**1630**	**2910**
	9/9/2016	N	**0.0124**	< 0.00136 U	--	**0.0188 J**	**0.162**	< 0.408 U	< 0.657 U	< 0.642 U	< 0.987 U	< 0.987 U	**1570**	**3130**
	4/5/2017	N	< 0.05 U	< 0.05 U	< 0.01 U	< 1 U	**0.105**	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**1200**	**2370**
MWD-3	2/11/2009	N	< 0.100 U	< 0.0150 U	--	--	--	**4100**	**160**	**87**	--	--	**48100**	**82200**
	8/18/2009	N	< 0.100 U	< 0.0750 U	--	--	--	**4100**	**120**	< 30 U	--	--	**48200**	**84000**
	2/2/2010	N	< 0.100 U	< 0.150 U	--	--	--	**2400**	**88**	**44.0**	--	--	**57800**	**89600**
	8/3/2010	N	< 0.200 U	< 0.150 U	--	--	--	**2100**	**81**	**32**	--	--	**55300**	**89000**
	2/6/2015	N	--	--	--	--	--	--	--	--	--	--	**38500**	**58600**
	4/29/2016	N	< 0.01 U	**0.0127**	< 0.01 U	--	--	**2330**	**42.6**	**27.4**	< 1.5 U	**4.21**	**39900**	**64900**
MWD-4	2/5/2009	N	**0.0275**	< 0.0150 U	--	--	--	**2.8**	**11**	**9.2**	--	--	**237**	**1170**
	8/6/2009	N	**0.0344**	< 0.0150 U	--	--	--	**1.0**	< 1.0 U	< 3.0 U	--	--	**310**	**1440**
	2/5/2010	N	**0.0382**	< 0.0150 U	--	--	--	**8.1**	**1.3**	< 3.0 U	--	--	**270**	**1250**
	8/20/2010	N	**0.0331**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**328**	**1490**
	4/14/2011	N	**0.0324**	< 0.0150 U	--	--	--	**4.5**	**1.4**	< 3.0 U	--	--	**1620**	**2230**
	8/17/2011	N	**0.0257**	< 0.0150 U	--	--	--	**5.7**	**2.4**	< 3.0 U	--	--	**729**	**2030**
	2/9/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**73.4**	**902**
	8/9/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**50.4 J**	**910**
	2/6/2013	N	**0.0222**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**44.5 J**	**1030**
	8/6/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**50.4**	**1380**
	2/4/2014	N	**0.0154 J**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**45.7**	**1190**
	8/5/2014	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**53.8**	**1220**
	2/3/2015	N	< 0.0200 U	**0.0017 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**52.7**	**916**
	8/7/2015	N	**0.0117 J**	**0.0019 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**49.9**	**1260**
	3/31/2016	N	< 0.01 U	< 0.01 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.41 U	< 1.41 U	**68.4**	**1100**
	9/7/2016	N	**0.0527**	< 0.00136 U	< 0.01 U	**12.2**	**1.02**	< 0.408 U	< 0.657 U	< 0.642 U	< 0.986 U	< 0.986 U	**59.6**	**1260**
	4/4/2017	N	< 0.05 U	< 0.05 U	< 0.01 U	**0.105 J**	**0.608**	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**45.5**	**872**
	9/12/2017	N	**0.00158 J**	< 0.004 U	**0.0039 J**	--	--	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**48.4**	**1290**
MWD-5	2/12/2009	N	**0.0880**	< 0.0150 U	--	--	--	**5000**	**470**	**110**	--	--	**1830**	**3780**
	8/12/2009	N	**0.116**	< 0.0150 U	--	--	--	**5700**	< 250 U	< 750 U	--	--	**2240**	**4530**
	2/9/2010	N	**0.143**	< 0.0150 U	--	--	--	**4800**	< 250 U	< 750 U	--	--	**1710**	**4510**
	8/6/2010	N	**0.106**	< 0.0150 U	--	--	--	**3500**	**280**	**58**	--	--	**1960**	**3970**
	4/15/2011	N	**0.133**	< 0.0150 U	--	--	--	**4600**	**420**	< 750 U	--	--	**2050**	**4480**
	8/15/2011	N	**0.0930**	< 0.0150 U	--	--	--	**4400**	**450**	**49**	--	--	**2070**	**3600**
	8/8/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	**5000**	**200**	**150**	--	--	**2010**	**2520**
	2/8/2013	N	**0.0203**	< 0.0150 U	--	--	--	**5800**	**310 J**	**86 J**	--	--	**1070 J**	**2700**
	8/8/2013	N	**0.0698**	< 0.0150 U	--	--	--	**4800 J**	**180 J**	**27 J**	--	--	**2000**	**3650**
	8/8/2013	FD	**0.0651**	< 0.0150 U	--	--	--	**4800**	**190**	< 60 UJ	--	--	**2000**	**3690**
	2/7/2014	N	**0.0293**	**0.0018 J**	--	--	--	**5500 J**	**33 J**	**47 J**	--	--	**1120**	**2520**
	8/11/2014	N	**0.948 J**	< 0.0150 UJ	--	--	--	< 5000 U	< 5000 U	< 5000 U	--	--	**3260**	**9560**
	2/9/2015	N	**0.0204**	< 0.0150 U	--	--	--	**5800**	**95**	**120**	--	--	**603**	**1690**
	8/5/2015	N	**0.0205**	**0.0017 J**	--	--	--	**7400**	**35 J**	**73 J**	--	--	**565 J**	**2200 J**
	3/31/2016	N	**0.0148**	< 0.01 U	< 0.01 U	--	--	**5200**	< 40 U	**57**	< 1.41 U	**13**	**404**	**1750**
	3/31/2016	FD	**0.0156**	< 0.01 U	< 0.01 U	--	--	**3800**	**32.5**	**44.1**	< 1.41 U	**12.6**	**404**	**1660**
	9/7/2016	N	**0.0192**	< 0.00136 U	**0.0055 J**	**5.33**	**0.238**	**7180**	**58.5 J**	**70 J**	**9.02**	**15.4**	**421**	**1790**
	9/7/2016	FD	**0.014**	< 0.00136 U	< 0.01 U	**5.39**	**0.248**	**7050**	**73.5 J**	**88.5 J**	**14.5**	**17**	**486**	**1800**
	1/31/2017	N	--	--	--	--	--	--	--	--	--	--	**512**	**1980**

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Chemical Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Manganese	Benzene	Ethylbenzene	Total Xylenes	DRO (C10-C28)	GRO (C6-C10)	Chloride	Total Dissolved Solids
Units			mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
NMWQCC Standard			0.01	0.05	0.05	1	0.2	10	750	620	--	--	250	1000
Location ID	Sample Date	Sample Type												
MWD-5	4/5/2017	N	< 0.05 U	< 0.05 U	--	**0.2 J**	**0.248 J**	**5050**	< 100 U	**62.5 J**	**5.36**	**3.73**	**448**	**1840**
	4/7/2017	N	--	--	**0.0048 J**	--	--	--	--	--	--	--	--	--
MWD-6	2/12/2009	N	< 0.0200 U	< 0.0150 U	--	--	--	**5.8**	**8.3**	< 3.0 U	--	--	**237**	**822**
	8/7/2009	N	< 0.0200 U	< 0.0150 U	--	--	--	**71**	**61**	**4.9**	--	--	**995**	**2800**
	8/7/2009	FD	< 0.0200 U	< 0.0150 U	--	--	--	**69**	**59**	< 6.0 U	--	--	**1010**	**2760**
	2/5/2010	N	< 0.0200 U	< 0.0150 U	--	--	--	**370**	**43**	**6.1**	--	--	**948**	**2550**
	8/20/2010	N	< 0.0200 U	< 0.0150 U	--	--	--	**160**	**44**	**6.5**	--	--	**1020**	**2400**
	4/15/2011	N	< 0.0200 U	< 0.0150 U	--	--	--	**270**	**2.9**	< 3.0 U	--	--	**1030**	**2420**
	8/15/2011	N	< 0.0200 U	< 0.0150 U	--	--	--	**170**	**100**	**4.0**	--	--	**1170**	**2130**
	2/9/2012	N	**0.0329**	< 0.0150 U	--	--	--	**1.9**	< 1.0 U	< 3.0 U	--	--	**1400**	**6620**
	8/8/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	**84**	**21**	**3.7**	--	--	**507**	**1880**
	8/8/2012	FD	< 0.0200 U	< 0.0150 U	--	--	--	**86**	**26**	**3.9**	--	--	**608 J**	**1860**
	2/8/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	**3.2**	**15**	< 3.0 U	--	--	**413 J**	**1820**
	8/7/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	**3.4**	**6.2**	< 3.0 U	--	--	**427**	**1520**
	2/6/2014	N	< 0.0200 U	< 0.0150 U	--	--	--	**32**	**20**	**2.8**	--	--	**621 J**	**1550**
	8/8/2014	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	**5.4**	< 2.0 U	--	--	**261**	**1460 J**
	2/9/2015	N	< 0.0200 U	< 0.0150 U	--	--	--	**12**	**17**	< 1.3 U	--	--	**260**	**1300**
	8/4/2015	N	< 0.0200 U	**0.0016 J**	--	--	--	< 1.0 U	**2.8**	**0.3 J**	--	--	**229 J**	**1540 J**
	3/31/2016	N	< 0.01 U	< 0.01 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.41 U	< 1.41 U	**237**	**1370**
	9/7/2016	N	**0.00504 J**	< 0.00136 U	< 0.01 U	**2.33**	**0.189**	< 0.408 U	< 0.657 U	< 0.642 U	< 0.986 U	< 0.986 U	**193**	**2340**
	4/5/2017	N	< 0.05 U	< 0.05 U	--	**0.106 J**	**0.239 J**	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	< 5 U	**1260**
	4/7/2017	N	--	--	< 0.01 U	--	--	--	--	--	--	--	--	--
	9/13/2017	N	**0.00345**	< 0.004 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**183**	**1310**
MWD-7	2/11/2009	N	< 0.020 U	< 0.0150 U	--	--	--	**2.3**	**2.8**	< 3.0 U	--	--	**7940**	**14700**
	8/6/2009	N	< 0.0200 U	< 0.0150 U	--	--	--	**2.9**	< 1.0 U	< 3.0 U	--	--	**7610**	**16600**
	2/8/2010	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**8040**	**15100**
	8/4/2010	N	< 0.0200 U	< 0.0150 U	--	--	--	**11**	**1.2**	< 3.0 U	--	--	**7630**	**14100**
	4/14/2011	N	< 0.0200 U	< 0.0150 U	--	--	--	**9.4**	**2.3**	< 3.0 U	--	--	**7870**	**14800**
	8/17/2011	N	< 0.0200 U	< 0.0150 U	--	--	--	**4.5**	**1.8**	< 3.0 U	--	--	**8880**	**14600**
	2/16/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**10200**	**25100**
	8/13/2012	N	**0.0266**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**7220 J**	**13600**
	2/6/2013	N	**0.0205**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**6140 J**	**11000**
	8/7/2013	N	**0.0214**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**5830**	**12400**
	2/4/2014	N	**0.0229 J**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**7010 J**	**10700**
	2/4/2014	FD	**0.0139 J**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**45.2 J**	**1380**
	8/6/2014	N	**0.0229**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**5650**	**10900 J**
	2/6/2015	N	**0.0159 J**	**0.0032 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**5240**	**7560**
	2/6/2015	FD	**0.0131 J**	**0.0025 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**5170**	**9080**
	8/12/2015	N	**0.0198 J**	**0.0018 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**4940**	**10600**
	3/31/2016	N	**0.0363**	< 0.01 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.41 U	< 1.41 U	**5020**	**10800**
	9/9/2016	N	< 0.00336 U	< 0.00136 U	--	**0.021 J**	**0.319**	< 0.408 U	< 0.657 U	< 0.642 U	< 0.986 U	< 0.986 U	**7210**	**12100**
	4/4/2017	N	< 0.05 U	< 0.05 U	< 0.01 U	< 1 U	**0.324**	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**5130**	**9590**
	9/13/2017	N	**0.0146**	**0.00116 J**	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**5900**	**10400**
MWD-8	2/10/2009	N	< 0.020 U	< 0.0150 U	--	--	--	**7.0**	**4.8**	< 3.0 U	--	--	**9390**	**18400**
	8/11/2009	N	< 0.0200 U	**0.0222**	--	--	--	**3.3**	**2.2**	**4.7**	--	--	**8570**	**16300**
	2/8/2010	N	< 0.0200 U	< 0.0150 U	--	--	--	**1.2**	< 1.0 U	< 3.0 U	--	--	**11100**	**20000**
	8/5/2010	N	< 0.0200 U	< 0.0150 U	--	--	--	**1.1**	< 1.0 U	< 3.0 U	--	--	**10000**	**17500**
	4/15/2011	N	< 0.0200 U	**0.0164**	--	--	--	**4.1**	< 1.0 U	< 3.0 U	--	--	**15100**	**20700**

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Chemical Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Manganese	Benzene	Ethylbenzene	Total Xylenes	DRO (C10-C28)	GRO (C6-C10)	Chloride	Total Dissolved Solids
Units			mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
NMWQCC Standard			0.01	0.05	0.05	1	0.2	10	750	620	--	--	250	1000
Location ID	Sample Date	Sample Type												
MWD-8	8/17/2011	N	< 0.0200 U	< 0.0150 U	--	--	--	**4.4**	**1.8**	< 3.0 U	--	--	**8840**	**12400**
	2/13/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**336**	**1400**
	8/9/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**980**	**2220**
	2/6/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**824 J**	**1800**
	8/8/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**1190 J**	**2630**
	2/4/2014	N	**0.0120 J**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**1140 J**	**2210**
	8/6/2014	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**968**	**2000**
	2/4/2015	N	**0.0121 J**	**0.0016 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**571**	**1260**
	2/4/2015	FD	**0.0164 J**	**0.0020 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**416**	**1080**
	8/6/2015	N	**0.0112 J**	**0.0027 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**474**	**1270**
	4/1/2016	N	**0.0101**	< 0.01 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.41 U	< 1.41 U	**305**	**854**
	9/12/2016	N	**0.0055 J**	< 0.00136 U	--	< 0.00616 U	< 0.000585 U	< 0.408 U	< 0.657 U	< 0.642 U	< 0.986 U	< 0.986 U	**251**	**864**
	4/4/2017	N	< 0.05 U	< 0.05 U	< 0.01 U	< 1 U	< 0.1 U	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**177**	**540**
	9/13/2017	N	**0.0141**	**0.000796 J**	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**220**	**884**
MWD-9	2/11/2009	N	< 0.100 U	< 0.0150 U	--	--	--	**10**	**1.4**	< 3.0 U	--	--	**22700**	**39300**
	8/17/2009	N	< 0.100 U	< 0.0750 U	--	--	--	**13**	**1.0**	< 3.0 U	--	--	**20900**	**39600**
	2/2/2010	N	< 0.100 U	< 0.0750 U	--	--	--	**15**	**1.2**	< 3.0 U	--	--	**23800**	**39500**
	8/3/2010	N	**0.0245**	< 0.0750 U	--	--	--	**8.6**	< 5.0 U	< 15 U	--	--	**20900**	**37400**
	2/6/2015	N	--	--	--	--	--	--	--	--	--	--	**19600**	**29400**
	8/13/2015	N	**0.0271**	**0.0088 J**	--	--	--	**24**	**2.0**	**2.4**	--	--	**18300**	**45700 J**
	8/13/2015	FD	**0.0273**	**0.0090 J**	--	--	--	**26**	**2.0**	**2.8**	--	--	**22900**	**98000 J**
	3/31/2016	N	**0.0431**	< 0.01 U	< 0.01 U	--	--	**17.2**	< 2 U	< 2 U	< 1.41 U	< 1.41 U	**2690**	**34800**
	9/9/2016	N	< 0.00336 U	< 0.00136 U	--	**0.111 J**	**0.611**	**22.2**	**0.88 J**	< 0.642 U	**2.92**	< 0.986 U	**18000**	**31600**
	4/4/2017	N	< 0.05 U	< 0.05 U	--	< 1 U	**0.629**	**20.1**	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**18700**	**33300**
	4/7/2017	N	--	--	< 0.01 U	--	--	--	--	--	--	--	--	--
	9/14/2017	N	**0.0172**	**0.00738**	< 0.01 U	--	--	**53.3**	**2.07**	**2.18**	< 1.5 U	< 1.5 U	**19300**	**32800**
RW-6	2/11/2009	N	**0.0252**	< 0.0150 U	--	--	--	**15**	**4.8**	**7.4**	--	--	**26700**	**44800**
	8/17/2009	N	< 0.100 U	< 0.0750 U	--	--	--	**23**	**9.5**	**11**	--	--	**32400**	**61300**
	2/2/2010	N	< 0.100 U	< 0.0750 U	--	--	--	**16**	**4.0**	**6.7**	--	--	**22100**	**37800**
	8/3/2010	N	< 0.100 U	< 0.0750 U	--	--	--	**30**	**8.5**	**19**	--	--	**30800**	**52600**
	8/9/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	< 8.0 U	**3.8**	**23**	--	--	**1930 J**	**3840**
	2/5/2014	N	< 0.0200 U	< 0.0150 U	--	--	--	< 25 U	**7.5**	**25**	--	--	**1470**	**3330**
	8/7/2014	N	< 0.0200 U	< 0.0150 U	--	--	--	< 30 U	**6.4**	**6.7**	--	--	**1530**	**3530**
	2/10/2015	N	< 0.0200 U	< 0.0150 U	--	--	--	< 31 U	**40**	**35**	--	--	**1020**	**2240**
	8/12/2015	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	**5.0**	--	--	**959**	**2820**
	3/31/2016	N	< 0.01 U	< 0.01 U	< 0.01 U	--	--	**9.49**	< 2 U	< 2 U	< 1.41 U	< 1.41 U	**488**	**1600**
	9/7/2016	N	< 0.00336 U	< 0.00136 U	< 0.01 U	**2.81**	**0.063**	< 0.408 U	< 0.657 U	< 0.642 U	< 0.986 U	< 0.986 U	**502**	**1150**
	4/6/2017	N	< 0.05 U	< 0.05 U	< 0.01 U	**0.203 J**	**0.111 J**	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**396**	**2040**
	9/14/2017	N	**0.0652**	**0.000638 J**	< 0.01 U	--	--	**3090**	**104**	**89.9**	**4.86**	**2.91**	**337**	**1600**
RW-7	2/12/2009	N	< 0.100 U	**0.0278**	--	--	--	**13**	**3.7**	**3.4**	--	--	**46900**	**115000**
	8/17/2009	N	< 0.100 U	< 0.0750 U	--	--	--	**17**	**4.5**	**3.8**	--	--	**58600**	**104000**
	2/2/2010	N	< 0.100 U	< 0.150 U	--	--	--	**16**	**5.7**	**4.6**	--	--	**62500**	**98000**
	8/3/2010	N	< 0.100 U	< 0.0750 U	--	--	--	**18**	**3.5**	**18**	--	--	**41100**	**66400**
	8/9/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	**330**	< 1.0 U	< 3.0 U	--	--	**18000 J**	**30400**
	2/5/2014	N	**0.0146 J**	**0.0016 J**	--	--	--	**54**	< 1.0 U	**0.4 J**	--	--	**12900**	**19600**
	8/7/2014	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**3020**	**5840 J**
	2/10/2015	N	**0.0172 J**	**0.0024 J**	--	--	--	**0.2 J**	< 1.0 U	< 1.0 U	--	--	**3750**	**5510**
	8/12/2015	N	**0.0098 J**	**0.0021 J**	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**2480**	**6530**

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Appendix E
Historical Analytical Data (through 2017)
2021 Annual Groundwater Monitoring Report
Former Eunice South Gas Plant

Chemical Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Manganese	Benzene	Ethylbenzene	Total Xylenes	DRO (C10-C28)	GRO (C6-C10)	Chloride	Total Dissolved Solids
Units			mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
NMWQCC Standard			0.01	0.05	0.05	1	0.2	10	750	620	--	--	250	1000
Location ID	Sample Date	Sample Type												
RW-7	3/31/2016	N	**0.0209**	< 0.01 U	< 0.01 U	--	--	**4.22**	< 2 U	< 2 U	< 1.41 U	< 1.41 U	**4100**	**7500**
	9/7/2016	N	< 0.00336 U	< 0.00136 U	< 0.01 UX	**0.013 J**	**0.666**	< 0.408 U	< 0.657 U	< 0.642 U	< 0.987 U	< 0.987 U	**5850**	**12300**
	4/6/2017	N	< 0.05 U	< 0.05 U	< 0.01 U	< 1 U	**0.61 J**	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**5180 J**	**10000 J**
	4/6/2017	FD	< 0.05 U	< 0.05 U	**0.0054 J**	< 1 U	**0.0547 J**	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**2730 J**	**5750 J**
	9/14/2017	N	**0.00754**	**0.000949 J**	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**4740**	**9050**
RW-8	2/12/2009	N	**0.0216**	< 0.0150 U	--	--	--	**95**	**19**	**220**	--	--	**12100**	**22900**
	10/1/2009	N	**0.0212**	< 0.0150 U	--	--	--	**19**	**7.1**	**110**	--	--	**10700**	**20800**
	2/9/2010	N	**0.0243**	< 0.0150 U	--	--	--	**57**	**23**	**190**	--	--	**12600**	**22200**
	8/20/2010	N	< 0.100 U	< 0.0750 U	--	--	--	**17**	**2.7**	< 3.0 U	--	--	**31800**	**57100**
	8/8/2013	N	**0.0454**	< 0.0150 U	--	--	--	< 1.0 U	**2.9**	**23**	--	--	**5950 J**	**11500**
	2/5/2014	N	**0.0161 J**	< 0.0150 U	--	--	--	**0.4 J**	**2.2**	**27**	--	--	**10100**	**19100**
	2/5/2014	FD	**0.0167 J**	< 0.0150 U	--	--	--	**0.4 J**	**2.3**	**27**	--	--	**9700 J**	**15500**
	8/7/2014	N	**0.152**	< 0.0150 U	--	--	--	< 1.0 U	< 2.0 U	< 3.0 U	--	--	**1870**	**4380**
	2/5/2015	N	**0.0391**	**0.0014 J**	--	--	--	< 1.0 U	< 1.0 U	**1.6**	--	--	**1420**	**2860**
	8/10/2015	N	**0.0730 J**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	**2.2**	--	--	**1360**	**3400**
	8/10/2015	FD	**0.0851 J**	**0.0020 J**	--	--	--	< 1.0 U	< 1.0 U	**2.4**	--	--	**1510**	**3530**
	4/1/2016	N	**0.0426**	< 0.01 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.41 U	< 1.41 U	**1310**	**2410**
	4/1/2016	FD	**0.0406**	< 0.01 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.41 U	< 1.41 U	**1230**	**2380**
	9/9/2016	N	**0.0656**	< 0.00136 U	--	**12.4**	**0.434**	< 0.408 U	< 0.657 U	< 0.642 U	< 0.986 U	< 0.986 U	**1250**	**2110**
	4/4/2017	N	< 0.05 U	< 0.05 U	--	**0.26 J**	**0.369**	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**1220**	**2510**
	4/7/2017	N	--	--	< 0.01 U	--	--	--	--	--	--	--	--	--
TMW-1	2/10/2009	N	**0.0585**	< 0.0150 U	--	--	--	--	--	--	--	--	**1840**	**3620**
	8/12/2009	N	**0.0481**	< 0.0150 U	--	--	--	--	--	--	--	--	**1070**	**2130**
	2/12/2010	N	**0.0500**	< 0.0150 U	--	--	--	--	--	--	--	--	**369**	**1130**
	8/9/2010	N	**0.0444**	< 0.0150 U	--	--	--	**9.0**	< 1.0 U	**4.4**	--	--	**368**	**1130**
	4/6/2011	N	**0.0437**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**2290**	**4430**
	8/9/2011	N	**0.0340**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**1990**	**3440**
	2/15/2012	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**1170**	**3310**
	8/9/2012	N	**0.0225**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**1210**	**2380**
	2/7/2013	N	**0.0203**	< 0.0150 U	--	--	--	**4.0**	< 1.0 U	< 3.0 U	--	--	**1060 J**	**2500**
	8/12/2013	N	< 0.0200 U	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**1100**	**2250**
	2/5/2014	N	**0.0224 J**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	**1.8**	--	--	**1090 J**	**2610**
	8/12/2014	N	**0.0241**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	**875**	**1930**
	2/5/2015	N	**0.0117 J**	**0.0017 J**	--	--	--	**14**	**0.4 J**	**1.8**	--	--	**833**	**1710**
	8/10/2015	N	**0.0186 J**	**0.0022 J**	--	--	--	**1 J**	< 1.0 U	< 1.0 U	--	--	**842**	**1990**
	4/1/2016	N	**0.0172**	< 0.01 U	**0.0135**	--	--	**2.53**	< 2 U	< 2 U	< 1.41 U	< 1.41 U	**761**	**1950**
	9/12/2016	N	**0.0122**	< 0.00136 U	--	**11.5**	**1.21**	< 0.408 U	< 0.657 U	< 0.642 U	< 0.987 U	**1.04 J**	**748**	**1830**
	4/7/2017	N	< 0.05 U	< 0.05 U	**0.0125**	**0.442 J**	**1.18**	**5.59**	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**757**	**1970**
	4/7/2017	FD	< 0.05 U	**0.00707 J**	**0.0116**	**0.342 J**	**1.15**	**5.29**	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**712**	**1720**
	9/13/2017	N	**0.0195**	**0.000722 J**	< 0.01 U	--	--	**31.6**	**1.42 J**	**3.53**	< 1.5 U	< 1.5 U	**685**	**1600**
TMW-3	2/17/2010	N	**0.0577**	< 0.0150 U	--	--	--	**4**	**0.2**	< 3.0 U	--	--	**383**	**1320**
	8/12/2010	N	**0.0501**	< 0.0150 U	--	--	--	**3.0**	**2.2**	**9.3**	--	--	**318**	**1200**
	4/8/2011	N	**0.0511**	< 0.0150 U	--	--	--	**4.3**	**1.6**	< 3.0 U	--	--	**333**	**1170**
	8/16/2011	N	**0.0549**	< 0.0150 U	--	--	--	**1.8**	< 1.0 U	< 3.0 U	--	--	**855**	**1740**
	2/15/2012	N	**0.0393**	< 0.0150 U	--	--	--	< 1.0 U	< 1.0 U	< 3.0 U	--	--	**1190**	**2120**
	8/14/2012	N	**0.0357**	< 0.0150 U	--	--	--	**6.6**	**3.1**	**9.2**	--	--	**345 J**	**1180**
	2/7/2013	N	**0.0336**	< 0.0150 U	--	--	--	**2.5**	**1.2**	**5.0**	--	--	**381 J**	**1390**
	8/9/2013	N	**0.0279**	< 0.0150 U	--	--	--	**6.4**	**1.4**	< 3.0 U	--	--	**344**	**1090**

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Appendix E
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2021 Annual Groundwater Monitoring Report
Former Eunice South Gas Plant

Chemical Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Manganese	Benzene	Ethylbenzene	Total Xylenes	DRO (C10-C28)	GRO (C6-C10)	Chloride	Total Dissolved Solids
Units			mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
NMWQCC Standard			0.01	0.05	0.05	1	0.2	10	750	620	--	--	250	1000
Location ID	Sample Date	Sample Type												
TMW-3	2/6/2014	N	**0.0181 J**	< 0.0150 U	--	--	--	**18**	**1.5**	**7.3**	--	--	**237**	**1070**
	8/13/2014	N	**0.0442 J**	< 0.0150 UJ	--	--	--	**3.8**	< 1.0 U	< 1.0 U	--	--	**670**	**1620**
	2/11/2015	N	**0.0222**	< 0.0150 U	--	--	--	**34**	**1.8**	< 3.0 U	--	--	**360**	**1020**
	8/11/2015	N	**0.0215**	< 0.0150 U	--	--	--	**17**	**1.9**	**3.1**	--	--	**309**	**1070**
	4/1/2016	N	**0.0434**	< 0.01 U	< 0.01 U	--	--	**5.88**	< 2 U	< 2 U	< 1.41 U	< 1.41 U	**310**	**1140**
	9/12/2016	N	**0.0393**	< 0.00136 U	--	**11.3**	**0.49**	**10.1**	< 0.657 U	< 0.642 U	< 0.987 U	**1.23 J**	**297**	**1180**
	4/6/2017	N	< 0.05 U	< 0.05 U	**0.0063 J**	**0.47 J**	**0.491 J**	**6.89**	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**325**	**1130**
TMW-5	2/18/2009	N	**0.0669**	< 0.0150 U	--	--	--	**2200**	**110**	**41**	--	--	**4780**	**7660**
	8/10/2009	N	**0.0372**	< 0.0150 U	--	--	--	**4700**	**140**	**5.3**	--	--	**2970**	**6830**
	2/10/2010	N	**0.0302**	< 0.0150 U	--	--	--	**4400**	**210**	**15**	--	--	**3120**	**6120**
	8/11/2010	N	**0.0341**	< 0.0150 U	--	--	--	**2800**	**180**	< 30 U	--	--	**2660**	**5450**
	8/11/2010	FD	**0.0324**	< 0.0150 U	--	--	--	**3100**	**190**	**5.0**	--	--	**2660**	**5540**
	4/7/2011	N	**0.0454**	< 0.0150 U	--	--	--	**1900**	**180**	**3.4**	--	--	**3210**	**5910**
	8/9/2011	N	**0.0312**	< 0.0150 U	--	--	--	**1400**	**100**	**15**	--	--	**3470**	**6030**
TMW-6	2/17/2009	N	**0.0724**	< 0.0150 U	--	--	--	**3700**	**420**	**210**	--	--	**437**	**1440**
	8/11/2009	N	**0.0712**	< 0.0150 U	--	--	--	**3800**	**200**	**8.5**	--	--	**177**	**1140**
	2/16/2010	N	**0.0930**	< 0.0150 U	--	--	--	**2600**	**350**	**11**	--	--	**657**	**1850**
	4/7/2011	N	**0.0867**	< 0.0150 U	--	--	--	**2500**	**310**	**4.8**	--	--	**515**	**1430**
	8/9/2011	N	**0.0585**	< 0.0150 U	--	--	--	**4700**	**400**	**25**	--	--	**345**	**1310**
	2/10/2012	N	**0.0445**	< 0.0150 U	--	--	--	**600**	**140**	**29**	--	--	**684**	**1940**
	8/14/2012	N	**0.0504**	< 0.0150 U	--	--	--	**4900**	**640**	**29**	--	--	**603 J**	**1550**
	2/11/2013	N	**0.0568**	< 0.0150 U	--	--	--	**4900**	**470**	**31**	--	--	**516**	**1760**
	8/9/2013	N	**0.0366**	< 0.0150 U	--	--	--	**1400**	**230 J**	**7.8 J**	--	--	**755**	**1930**
	2/6/2014	N	**0.0295**	< 0.0150 U	--	--	--	**1700**	**570**	**22**	--	--	**239**	**1570**
	8/13/2014	N	< 0.0200 UJ	< 0.0150 UJ	--	--	--	**8.1**	**3.5**	< 5.0 U	--	--	**1270**	**2280**
	2/11/2015	N	**0.0386**	**0.0016 J**	--	--	--	**2600**	**6.5 J**	**23**	--	--	**411**	**1380**
	8/11/2015	N	**0.0401**	< 0.0150 U	--	--	--	**3600 J**	**6.5 J**	**4.1 J**	--	--	**436**	**1590**
	4/1/2016	N	**0.056**	< 0.01 U	< 0.01 U	--	--	**345**	< 2 U	< 2 U	**1.63**	**3.01**	**257**	**1300**
	4/1/2016	FD	**0.0553**	< 0.01 U	< 0.01 U	--	--	**341**	< 2 U	< 2 U	**1.47**	**2.86**	**254**	**1360**
	9/12/2016	N	**0.0516**	< 0.00136 U	--	**6.7**	**0.0241**	**1370 D**	**31.3**	**7.31**	**2.55**	**3.14**	**324**	**1530**
	9/12/2016	FD	**0.0573**	< 0.00136 U	--	**6.62**	**0.0239**	**1220 D**	**25.7**	**4.74**	**2.82**	**3.29**	**320**	**1540**
	4/6/2017	N	**0.046 J**	**0.00768 J**	**0.0078 J**	**0.28 J**	**0.0301 J**	**446**	< 10 U	< 10 U	**3.18**	**1.53**	**318**	**1260**
	9/14/2017	N	**0.00275**	< 0.004 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**519**	**2640**
WW-2	3/30/2016	N	< 0.01 U	< 0.01 U	< 0.01 U	--	--	< 2 U	< 2 U	< 2 U	< 1.41 U	< 1.41 U	**304**	**652**
	9/6/2016	N	< 0.00336 U	< 0.00136 U	< 0.01 U	**0.109 J**	**0.134**	< 0.408 U	< 0.657 U	< 0.642 U	< 0.987 U	< 0.987 U	**287**	**627**
	4/5/2017	N	< 0.05 U	< 0.05 U	--	< 1 U	**0.0806 J**	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**352 J**	**546**
	4/7/2017	N	--	--	< 0.01 U	--	--	--	--	--	--	--	--	--
WW-3	4/7/2017	N	< 0.05 U	< 0.05 U	**0.0105**	**0.24 J**	**0.211**	**40.3**	**5.01**	< 2 U	< 1.5 U	< 1.5 U	**207**	**468**
WW-7	3/30/2016	N	< 0.01 U	< 0.01 U	**0.0148**	--	--	< 2 U	< 2 U	< 2 U	< 1.41 U	< 1.41 U	**266**	**548**
	9/6/2016	N	< 0.00336 U	< 0.00136 U	< 0.01 U	**3.14**	**0.583**	< 0.408 U	< 0.657 U	< 0.642 U	< 0.987 U	< 0.987 U	**563**	**511**
	4/4/2017	N	< 0.05 U	< 0.05 U	--	< 1 U	**0.389**	< 2 U	< 2 U	< 2 U	< 1.5 U	< 1.5 U	**270 J**	**458**
	4/7/2017	N	--	--	< 0.01 U	--	--	--	--	--	--	--	--	--

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Appendix E
Historical Analytical Data (through 2017)
2020 Annual Groundwater Monitoring Report
Former Eunice South Gas Plant

Notes:
NMWQCC Standard exceedance
Detected analytes are **bolded**.
-- = not applicable/not analyzed
< = less than
DRO = diesel range organics
FD = field duplicate sample
GRO = gasoline-range organics
ID = identification
mg/l = milligrams per liter
N = normal sample
NMWQCC = New Mexico Water Quality Control Commission
TDS = total dissolved solids
ug/l = micrograms per liter

Qualifiers:
D = compounds identified at a secondary dilution factor
J = estimated value
U = analyte was not detected

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APPENDIX F

Historical Analytical Data (2017 to current)

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GROUNDWATER ANALYTICAL RESULTS
EUNICE SOUTH GAS PLANT

		Parameter Name	Arsenic	Chromium	Chromium, Hexavalent	Iron	Barium	Manganese	Benzene	Toluene	Ethylbenzene	Xylene (total)	Petroleum Hydrocarbons (C6-C10)-GRO	Petroleum Hydrocarbons (C10-C28)-DRO	C6-C35 Petroleum Hydrocarbon Summary	Chloride	Total Dissolved Solids
		Report Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		NMWQCC Domestic	0.01	0.05	0.05	1.0	2.0	0.2	0.005	1	0.7	0.62	--	--	--	250	1000
Location ID	Date Sampled	Sample Purpose															
MW-1	2/23/2022	REG	0.0248	<0.00400 U	<0.0100 U	--	0.912	--	0.00177 J	0.000554 J	0.00163 J	<0.00400 U	<4.48 U	<4.48 U	<4.48 U	477	1,340
MW-1	2/23/2022	FD	0.0252	<0.00400 U	<0.0100 U	--	0.918	--	<0.00200 U	0.000509 J	0.00165 J	<0.00400 U	<4.48 U	<4.48 U	<4.48 U	474	1,450
MW-11	4/6/2017	REG	< 0.0500 U	< 0.0500 U	0.00780 J	0.219 J	--	0.142 J	7.02	< 0.0750 U	< 0.100 U	< 0.100 U	1.67	< 1.50 U	1.67	128	1,060
MW-11	9/14/2017	REG	0.0118	0.000585 J	< 0.0100 U	--	0.841	--	7.21 J	0.0788 J	0.0498 J	0.259 J	2.54	< 1.50 U	2.54	91	900
MW-11	3/19/2018	REG	0.0125	0.000888 J	< 0.0100 U	--	0.779	--	4.78 J	0.0223 J	< 0.0500 U	0.0648	4.3	< 1.50 U	4.3	104	852
MW-11	3/19/2018	FD	0.0109	< 0.00400 U	< 0.0100 U	--	0.676	--	1.31 J	< 0.0200 U	< 0.0200 U	0.0130 J	4.04	< 1.50 U	4.04	105	935
MW-11	9/28/2018	REG	0.021	< 0.00400 U	< 0.0100 U	--	1.19	--	4.19 D	0.00268	0.00582	0.0339	11.1	< 1.50 U	11.1	120	942
MW-11	4/4/2019	REG	0.0182	0.00989	< 0.0100 U	--	0.614	--	1.87	< 0.0200 U	0.00840 J	0.0542	7.23	< 1.50 U	7.23	78.0 J	815
MW-11	4/4/2019	FD	0.0122	0.00543	< 0.0100 U	--	0.631	--	1.67 D	0.00190 J	0.00639	0.0382	6.99	< 1.50 U	6.99	93.1 J	844
MW-11	10/4/2019	REG	0.0143	0.00340 J	< 0.0100 U	--	0.472	--	1.96 DJ	0.00752 J	0.0255 J	0.145 J	6.06	< 1.38 U	6.06	92.9	692
MW-11	3/20/2020	REG	0.0249	< 0.00400 U	< 0.0100 U	--	1.26	--	2.25 DJ	0.00162 J	0.00423 J	0.0202 J	4.77	< 2.18 U	4.77	133	974
MW-11	9/23/2020	REG	0.0294	< 0.00400 U	< 0.0100 UJ	--	1.05	--	1.67 D	0.00288	0.00606	0.0281	5.67	< 2.19 U	5.67	117	972
MW-11	3/19/2021	REG	0.0324	< 0.00400 U	< 0.0100 U	--	1.02	--	2.62 D	0.00159 J	0.00415	0.0137	6.91 B	< 2.18 U	6.91 B	117	994
MW-11	9/21/2021	REG	0.0326	< 0.00400 U	< 0.0100 U	--	1.00	--	0.0189	< 0.00200 U	< 0.00200 U	< 0.00400 U	5.57 J	< 4.57 U	5.57 J	91.8	1,010
MW-11	2/25/2022	REG	0.0290	<0.00400 U	<0.0100 U	--	1.14	--	1.25	<0.00200 U	<0.00200 U	0.00689 J	<4.48 U	1.26 J	1.26 J	66.7	826
MW-11	9/29/2022	REG	0.0314	<0.00400 U	<0.0100 U	--	1.47	--	5.19 D	0.00390 J	<0.00200 U	0.0152 J	15.8	<4.55 U	<4.55 U	114	1,060
MW-13	4/5/2017	REG	< 0.0500 U	< 0.0500 U	< 0.0100 U	< 1.00 U	--	0.0182 J	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	343	976
MW-13	3/14/2018	REG	0.016	0.000616 J	< 0.0100 U	--	0.102	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	336	1,030
MW-13	9/25/2018	REG	0.0165	0.00114 J	< 0.0100 U	--	0.102	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	339	980
MW-13	4/2/2019	REG	0.0139	< 0.00400 U	< 0.0100 U	--	0.0935	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	349	1,060
MW-13	10/1/2019	REG	0.0161	0.000672 J	< 0.0100 U	--	0.0981	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.38 U	< 1.38 U	< 1.38 U	332	1,130
MW-13	3/18/2020	REG	0.0169	< 0.00400 U	< 0.0100 U	--	0.100	--	0.00226	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.19 U	< 2.19 U	< 2.19 U	342	1140
MW-13	3/16/2021	REG	0.0158	< 0.00400 U	< 0.0100 U	--	0.0908	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	1.69 B J	< 2.26 U	1.69 B J	370	1,510
MW-13	2/23/2022	REG	0.0156	0.000589 J	<0.0100 U	--	0.0831	--	<0.00200 U	<0.00200 U	<0.00200 U	<0.00400 U	<4.46 U	<4.46 U	<4.46 U	337	1,290
MW-14	4/5/2017	REG	< 0.0500 U	< 0.0500 U	< 0.0100 U	< 1.00 U	--	0.835	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	489	1,560
MW-14	9/13/2017	REG	0.00699	< 0.00400 U	< 0.0100 U	--	0.0691	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	486	1,640
MW-14	3/13/2018	REG	0.0077	< 0.00400 U	< 0.0100 U	--	0.0644	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	0.000730 J	< 1.50 U	< 1.50 U	< 1.50 U	516	1,500
MW-14	3/13/2018	FD	0.00764	< 0.00400 U	< 0.0100 U	--	0.0637	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	0.000820 J	< 1.50 U	< 1.50 U	< 1.50 U	498	1,440
MW-14	9/26/2018	REG	0.00827	< 0.00400 U	< 0.0100 U	--	0.0786	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	527	1,470
MW-14	4/3/2019	REG	0.00933	0.157	< 0.0100 U	--	0.076	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	496	1,520
MW-14	10/2/2019	REG	0.00787	< 0.00400 U	< 0.0100 U	--	0.0726	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.40 U	< 1.40 U	< 1.40 U	512	1,630
MW-14	3/18/2020	REG	0.00862	< 0.00400 U	< 0.0100 U	--	0.0793	--	0.00121 J	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.19 U	< 2.19 U	< 2.19 U	504	2100
MW-14	3/16/2021	REG	0.00760	< 0.00400 U	< 0.0100 U	--	0.0877	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.27 UB	< 2.27 U	< 2.27 UB	550	1,650
MW-14	2/24/2022	REG	0.00867	<0.00400 U	<0.0100 U	--	NA	--	<0.00200 U	<0.00200 U	<0.00200 U	<0.00400 U	<4.52 U	<4.52 U	<4.52 U	558	1,820
MW-15	4/5/2017	REG	< 0.0500 U	< 0.0500 U	< 0.0100 U	< 1.00 U	--	0.0345 J	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	1,960	2,900
MW-15	9/13/2017	REG	0.0124	0.000535 J	< 0.0100 U	--	0.0481	--	0.00795	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	2,040	4,590
MW-15	3/13/2018	REG	0.0135	< 0.00400 U	< 0.0100 U	--	0.0475	--	0.00159 J	0.000630 J	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	2,160	5,060
MW-15	9/25/2018	REG	0.0133	0.000735 J	< 0.0100 U	--	0.0533	--	0.000780 J	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	2,320	3,910
MW-15	4/2/2019	REG	0.0142	0.00109 J	< 0.0100 U	--	0.0452	--	0.00102 J	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	1,960	3,840
MW-15	10/2/2019	REG	0.0119	< 0.00400 U	< 0.0100 U	--	0.0452	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.40 U	< 1.40 U	< 1.40 U	1,890	3,930
MW-15	10/2/2019	FD	0.0122	< 0.00400 U	< 0.0100 U	--	0.0482	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.41 U	< 1.41 U	< 1.41 U	1,850	3,920
MW-15	3/17/2020	FD	0.0113	< 0.00400 U	< 0.0100 U	--	0.0506	--	0.000910 J	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.28 U	< 2.28 U	< 2.28 U	1840	880 J
MW-15	3/17/2020	REG	0.0115	< 0.00400 U	< 0.0100 U	--	0.0447	--	0.000820 J	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.23 U	< 2.23 U	< 2.23 U	1900	3690 J
MW-15	9/22/2020	FD	0.0116	< 0.00400 U	< 0.0100 U	--	0.0430 J	--	0.000770 J	0.000610 J	< 0.00200 U	< 0.00200 U	< 2.16 U	< 2.16 U	< 2.16 U	1590	3290
MW-15	9/22/2020	REG	0.0114	< 0.00400 U	< 0.0100 U	--	0.0430 J	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.19 U	< 2.19 U	< 2.19 U	1590	3320
MW-15	3/16/2021	REG	0.0115	< 0.00400 U	< 0.0100 U	--	0.0454	--	0.00622	0.00303	< 0.00200 U	0.00439	< 2.26 UB	< 2.26 U	< 2.26 UB	1,310	3,140
MW-15	3/16/2021	FD	0.0113	< 0.00400 U	< 0.0100 U	--	0.0450	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.25 UB	< 2.25 U	< 2.25 UB	968	3,680
MW-15	9/21/2021	REG	0.0113	0.000686 J	< 0.0100 U	--	0.0419	--	0.000837 J	< 0.00200 U	< 0.00200 U	< 0.00400 U	< 4.56 U	< 4.56 U	< 4.56 U	1,440	4,110
MW-15	9/21/2021	FD	0.0120	< 0.00400 U	< 0.0100 U	--	0.0443	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00400 U	< 4.44 U	< 4.44 U	< 4.44 U	1,510	4,220
MW-15	2/23/2022	REG	0.0149	0.00238 J	<0.0100 U	--	0.0816	--	<0.00200 U	<0.00200 U	<0.00200 U	<0.00400 U	<4.57 U	<4.57 U	<4.57 U	1,290	3,240
MW-15	2/23/2022	FD	0.0136	0.00231 J	<0.0100 U	--	0.0760	--	<0.00200 U	0.000403 J	<0.00200 U	<0.00400 U	<4.49 UJ	<4.49 UJ	<4.49 UJ	1,220	2,960
MW-15	9/27/2022	REG	0.0117	0.000958 J	<0.0100 U	--	0.0319	--	<0.00200 U	<0.00200 U	<0.00200 U	<0.00400 U	<4.57 U	<4.57 U	<4.57 U	1,260	3,320
MW-15	9/27/2022	FD	0.0124	0.000663 J	<0.0100 U	--	0.0392	--	<0.00200 U	<0.00200 U	<0.00200 U	<0.00400 U	<4.56 U	<4.56 U	<4.56 U	1,260	3,280
MW-16	4/5/2017	REG	< 0.0500 U	0.0955	0.106	< 1.00 U	--	< 0.100 U	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	1,880	3,810
MW-16	9/13/2017	REG	0.0129	0.11	0.0957	--	0.0448	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	1,880	4,230
MW-16	3/13/2018	REG	0.013	0.108	0.101	--	0.0406	--	< 0.00200 U	0.000950 J	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	2,150	3,930
MW-16	9/25/2018	REG	0.0144	0.111	< 0.0100 U	--	0.0423	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	2,090	3,880
MW-16	4/2/2019	REG	0.0136	0.111	0.0976	--	0.0417	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	1,780	3,760
MW-16	10/2/2019	REG	0.0136	0.107	0.0982	--	0.0394	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.38 U	< 1.38 U	< 1.38 U	1,930	3,970
MW-16	3/17/2020	REG	0.0135	0.115	0.104	--	0.0400	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.22 U	< 2.22 U	< 2.22 U	2120	4030
MW-16	9/22/2020	REG	0.0136	0.0972	0.0950	--	0.0356	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.18 U	< 2.18 U	< 2.18 U	1900	4040
MW-16	3/16/2021	REG	0.0130	0.102	0.103	--	0.0375	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.26 UB	< 2.26 U	< 2.26 UB	1,290	3,880

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GROUNDWATER ANALYTICAL RESULTS
EUNICE SOUTH GAS PLANT

		Parameter Name	Arsenic	Chromium	Chromium, Hexavalent	Iron	Barium	Manganese	Benzene	Toluene	Ethylbenzene	Xylene (total)	Petroleum Hydrocarbons (C6-C10)-GRO	Petroleum Hydrocarbons (C10-C28)-DRO	C6-C35 Petroleum Hydrocarbon Summary	Chloride	Total Dissolved Solids
		Report Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		NMWQCC Domestic	0.01	0.05	0.05	1.0	2.0	0.2	0.005	1	0.7	0.62	--	--	--	250	1000
Location ID	Date Sampled	Sample Purpose															
MW-16	9/21/2021	REG	0.0135	0.0909	0.0931	--	0.0371	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00400 U	< 4.41 U	< 4.41 U	< 4.41 U	1,780	4,180
MW-16	2/23/2022	REG	0.0128	0.0937	0.0897	--	0.0332	--	<0.00200 U	<0.00200 U	<0.00200 U	<0.00400 U	<4.55 U	<4.55 U	<4.55 U	1,830	4,000
MW-16	9/27/2022	REG	0.0113	0.0776	0.084	--	0.0311	--	<0.00200 U	<0.00200 U	<0.00200 U	<0.00400 U	<4.59 U	<4.59 U	<4.59 U	1,870	4,340
MW-17	4/6/2017	REG	< 0.0500 U	< 0.0500 U	< 0.0100 U	< 1.00 U	--	0.534 J	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	1,750	3,440
MW-17	9/13/2017	REG	0.0141	< 0.00400 U	< 0.0100 U	--	0.316	--	< 0.00200 UJ	< 0.00200 UJ	< 0.00200 UJ	< 0.00200 UJ	< 1.50 U	< 1.50 U	< 1.50 U	603	3,030
MW-17	9/13/2017	FD	0.0127	< 0.00400 U	< 0.0100 U	--	0.27	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	627	3,450
MW-17	3/14/2018	REG	0.00804	< 0.00400 U	< 0.0100 U	--	0.195	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	1,730	3,100
MW-17	9/25/2018	REG	0.00912	< 0.00400 U	< 0.0100 U	--	0.21	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	1,590	2,970
MW-17	4/3/2019	REG	0.0113	0.00141 J	< 0.0100 U	--	0.206	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	1,190	2,860
MW-17	10/3/2019	REG	0.00838	< 0.00400 U	< 0.0100 U	--	0.156	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.38 U	< 1.38 U	< 1.38 U	1,300	2,700
MW-17	3/19/2020	REG	0.0213	< 0.00400 U	< 0.0100 U	--	0.764	--	0.000600 J	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.16 U	< 2.16 U	< 2.16 U	1060	2320
MW-17	9/22/2020	REG	0.0105	< 0.00400 U	< 0.0100 U	--	0.214 J	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.19 U	< 2.19 U	< 2.19 U	1140	2320
MW-17	3/18/2021	REG	0.0138	< 0.00400 U	< 0.0100 U	--	0.224	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	<2.22 UB	< 2.22 U	<2.22 UB	811	2,260
MW-17	9/21/2021	REG	0.0105	< 0.00400 U	< 0.0100 U	--	0.18	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00400 U	< 4.52 U	< 4.52 U	< 4.52 U	1,050	2,400
MW-17	2/24/2022	REG	0.00967	<0.00400 U	<0.0100 U	--	NA	--	<0.00200 U	<0.00200 U	<0.00200 U	<0.00400 U	<4.53 U	<4.53 U	<4.53 U	874	2,190
MW-17	9/28/2022	REG	0.00758	0.00251 J	<0.0100 U	--	0.157	--	<0.00200 U	<0.00200 U	<0.00200 U	<0.00400 U	<4.55 U	<4.55 U	<4.55 U	792	1,810
MW-18	4/4/2017	REG	< 0.0500 U	< 0.0500 U	< 0.0100 U	< 1.00 U	--	< 0.100 U	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	231	730
MW-22	4/4/2017	REG	< 0.0500 U	< 0.0500 U	--	0.267 J	--	0.0947 J	16.7	0.367	0.624	0.668	2.35	1.62	3.97	2,310	4,050
MW-22	4/7/2017	REG	--	--	0.00380 J	--	--	--	--	--	--	--	--	--	--	--	--
MW-22	3/15/2018	REG	0.0371	< 0.00400 U	< 0.0100 U	--	0.982	--	8.55	0.0605 J	0.279	0.113	25.5	1.00 J	26.5	2,440	5,530
MW-22	4/3/2019	REG	0.0554	0.00802	< 0.0100 U	--	0.654	--	0.588	< 0.0200 U	< 0.0200 U	< 0.0200 U	5.66	1.01 J	6.67	1,670	4,900
MW-22	3/20/2020	REG	0.0711	0.000743 J	< 0.0500 U	--	0.851	--	26.5 DJ	0.00740 J	0.0441 J	0.0297 J	19.0	< 2.21 U	19.0	1940	4600
MW-22	3/18/2021	REG	0.0481	0.000688 J	< 0.0100 U	--	0.810	--	0.151	0.00129 J	< 0.00200 U	0.00255	4.14 B	< 2.27 U	4.14 B	2,300	5,750
MW-22	2/24/2022	REG	0.0451	0.000999 J	<0.0100 U	--	NA	--	0.00169 J	<0.00200 U	<0.00200 U	<0.00400 U	<4.48 U	1.34 J	1.34 J	2,510	6,620
MW-23	4/4/2017	REG	< 0.0500 U	< 0.0500 U	--	< 1.00 U	--	< 0.100 U	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	4,150	8,040
MW-23	4/7/2017	REG	--	--	< 0.0100 U	--	--	--	--	--	--	--	--	--	--	--	--
MW-24	9/22/2021	REG	0.0281	0.000670 J	0.00595 J	--	2.55	--	11.9 D	0.00671 J	0.0541 J	0.0843 J	22.0 J	1.56 J	23.56 J	172	1,520
MW-24	9/29/2022	REG	0.0311	<0.00400 U	<0.0100 U	--	2.98	--	13.4 D J	<0.00200 U	0.0296 J	0.0465 J	21.3	<4.55 U	21.3	240	1,270
MW-25	4/6/2017	REG	< 0.0500 U	< 0.0500 U	< 0.0100 U	0.343 J	--	0.0964 J	1.34	< 0.0150 U	0.0358	< 0.0200 U	1.9	1.72	3.62	2,170	4,370
MW-25	9/14/2017	REG	0.00341	0.00146 J	< 0.0100 U	--	1.72	--	7.11	0.0167	0.12	0.0496	3.22	3.12	6.34	1,810	4,790
MW-25	3/19/2018	REG	0.00155 J	0.00104 J	< 0.0100 U	--	1.19	--	1.8	0.00910 J	0.0422	0.016	2.97	1.65	4.62	1,550	3,760
MW-25	9/28/2018	REG	0.00187 J	0.00138 J	< 0.0100 U	--	1.46	--	2.18 D	< 0.00200 U	0.0145	0.00639	6.12	3.55	9.67	1,590	4,210
MW-25	4/5/2019	REG	0.00145 J	0.00163 J	< 0.0100 U	--	1.21	--	14.1 D	0.00325	0.0232	0.0144	5.95	3.52	9.47	1,240	4,230
MW-25	10/4/2019	REG	0.00129 J	0.00161 J	< 0.0100 U	--	1.34	--	2.99 DJ	< 0.00200 U	0.0358 J	0.0157 J	7.03	3.98	11	1,960	4,420
MW-25	3/20/2020	FD	0.00203 J	0.00151 J	< 0.0100 U	--	1.48	--	1.97 DJ	0.000790 J	0.00331 J	0.00236 J	2.48	3.00	5.48	1880	4680
MW-25	3/20/2020	REG	0.00166 J	0.00151 J	< 0.0100 U	--	1.34	--	2.19 DJ	0.000930 J	0.00365 J	0.00246 J	2.98	3.03	6.01	1900	4560
MW-25	9/23/2020	REG	0.00162 J	0.00126 J	< 0.0100 UJ	--	1.13	--	0.871 DJ	0.00107 J	0.00919 J	0.00510 J	2.38	1.25 J	3.63	1540	4550
MW-25	3/19/2021	REG	0.00308 J	0.00194 J	< 0.0100 U	--	1.55	--	1.66 D J	0.00156 J	0.0187 J	0.00866 J	5.05 UB	2.09 J	7.14 UBJ	1,330	4,470
MW-25	3/19/2021	FD	0.00266 J	0.00172 J	< 0.0100 U	--	1.31	--	2.04 D J	0.00160 J	0.0174 J	0.0148 J	4.51 UB	1.34 J	5.85 UBJ	1,280	4,620
MW-25	9/22/2021	REG	0.0148	0.00114 J	< 0.0100 U	--	1.44	--	1.60 D	< 0.0200 U	0.0579 J	< 0.00400 U	3.97 J	2.09 J	6.06 J	2,160	6,350
MW-25	2/25/2022	REG	0.0126	0.00142 J	<0.0100 U	--	1.53	--	0.959 D J	<0.00200 U	0.0183 J	<0.00400 U	<4.45 U	<4.45 U	<4.45 U	2,410	5,960
MW-25	2/25/2022	FD	0.0122	0.00148 J	<0.0100 U	--	1.53	--	1.19 D J	<0.00200 U	0.0159 J	<0.00400 U	<4.45 U	1.11 J	1.11 J	2,450	6,040
MW-25	9/29/2022	REG	0.00990	0.00134 J	<0.0100 U	--	1.30	--	0.545	<0.00200 U	0.0193 J	<0.00400 U	<4.56 U	<4.56 U	<4.56 U	2,350	5,180
MW-26	4/6/2017	REG	0.0362 J	< 0.0500 U	0.00490 J	0.260 J	--	0.0324 J	0.94	< 0.0150 U	< 0.0200 U	< 0.0200 U	1.61	3.53	5.14	191	1,200
MW-26	9/14/2017	REG	0.057	< 0.00400 U	< 0.0100 U	--	5.09	--	1.79	0.00486	0.0146	0.0252	1.74	4.19	5.93	167	1,240
MW-26	3/19/2018	REG	0.0421	0.00155 J	< 0.0100 U	--	3.52	--	0.821 J	< 0.0100 U	< 0.0100 U	0.00650 J	2.83	8.85 J	11.7 J	139	1,120
MW-26	3/19/2018	FD	0.0374	0.000994 J	< 0.0100 U	--	3.13	--	0.177 J	< 0.0200 U	< 0.0200 U	< 0.0200 U	4.26	54.4 J	58.7 J	138	1,080
MW-26	9/28/2018	REG	0.0645	< 0.00400 U	0.353	--	5.73	--	1.08 D	0.00284	0.00328	0.00951	6.24	38.4	44.6	149	1,120
MW-26	4/4/2019	REG	0.063	0.000777 J	< 0.0100 U	--	5.59	--	0.577 D	0.000710 J	0.00152 J	0.00421	3.41	8.19	11.6	140 J	1,070
MW-26	10/4/2019	REG	0.0599	< 0.00400 U	< 0.0100 U	--	6.33	--	0.797 DJ	< 0.00200 U	0.00743 J	0.0177 J	2.37	4.73	14.8	157	1,090
MW-26	3/20/2020	REG	0.0605	< 0.00400 U	< 0.0100 U	--	5.71 D	--	0.814 DJ	0.000730 J	0.00125 J	0.00214 J	3.58	28.9	32.5	173	1080
MW-26	9/23/2020	REG	0.0606	< 0.00400 U	< 0.0100 U	--	5.69	--	0.921 D	< 0.00200 U	0.00623	0.00905	3.17	4.17	7.34	168	1120
MW-26	3/19/2021	REG	0.0559	< 0.00400 U	< 0.0100 U	--	5.09 D	--	0.874 D	0.00100 J	0.0451	0.00474	4.07 B	9.74	13.81 B	158 X	1,360
MW-26	9/22/2021	REG	0.052	< 0.00400 U	< 0.0100 U	--	4.65	--	0.766	< 0.0200 U	< 0.00200 U	0.0140 J	3.67 J	4.93 J	8.60 J	160	1,510
MW-26	2/25/2022	REG	0.0590	<0.00400 U	<0.0100 U	--	4.81	--	0.371	<0.02000 U	<0.00200 U	<0.00400 U	4.31 J	4.49 U	4.31 J	159	1,040
MW-26	9/29/2022	REG	0.0462	<0.00400 U	<0.0100 U	--	3.95	--	0.552	0.0120 J	0.0137 J	0.0112 J	<4.55 U	<4.55 U	<4.55 U	160	1,090
MW-29	4/5/2017	REG	< 0.0500 U	< 0.0500 U	--	0.323 J	--	0.115 J	0.272	< 0.00150 U	0.00387	< 0.00200 U	2.15	< 1.50 U	2.15	131	918
MW-29	4/7/2017	REG	--	--	0.00560 J	--	--	--	--	--	--	--	--	--	--	--	--
MW-29	9/12/2017	REG	0.00288	< 0.00400 U	0.00280 J	--	6.85	--	1.6	0.0135	0.01	0.00292	1.72	< 1.50 U	1.72	138	1,040
MW-29	3/16/2018	REG	0.00292	< 0.00400 U	< 0.0100 U	--	7.28	--	0.634	< 0.0200 U	< 0.0200 U	< 0.0200 U	7.58	0.929 J	8.51	128	1,120
MW-29	9/27/2018	REG	0.00327 J	< 0.00400 U	0.00530 J	--	6.59	--	0.231	0.0109	0.00107 J	0.000900 J	5.28	< 1.50 U	5.28	153	1,120
MW-29	4/3/2019	REG	0.00389 J	0.000856 J	< 0.0100 U	--	9.21	--	0.0624	< 0.00200 U	< 0.00200 U	< 0.00200 U	4.32	< 1.50 U	4.32	185	1,170

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GROUNDWATER ANALYTICAL RESULTS
EUNICE SOUTH GAS PLANT

		Parameter Name	Arsenic	Chromium	Chromium, Hexavalent	Iron	Barium	Manganese	Benzene	Toluene	Ethylbenzene	Xylene (total)	Petroleum Hydrocarbons (C6-C10)-GRO	Petroleum Hydrocarbons (C10-C28)-DRO	C6-C35 Petroleum Hydrocarbon Summary	Chloride	Total Dissolved Solids
		Report Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		NMWQCC Domestic	0.01	0.05	0.05	1.0	2.0	0.2	0.005	1	0.7	0.62	--	--	--	250	1000
Location ID	Date Sampled	Sample Purpose															
MW-29	4/3/2019	FD	0.00338 J	0.000706 J	< 0.0100 U	--	7.51	--	0.0462	< 0.00200 U	< 0.00200 U	< 0.00200 U	4.21	1.20 J	5.41	165	1,100
MW-29	10/3/2019	REG	0.00249 J	< 0.00400 U	0.0139	--	8.41	--	0.177	< 0.00200 U	< 0.00200 U	< 0.00200 U	4.72	< 1.41 U	4.72	232	1,250
MW-29	3/18/2020	REG	0.00335 J	< 0.00400 U	< 0.0100 U	--	8.64 D	--	0.259 J	0.000470 J	0.00144 J	0.000700 J	3.43	< 2.20 U	3.43	308	1290
MW-29	9/22/2020	REG	0.00270 J	< 0.00400 U	< 0.0100 U	--	9.44	--	0.113	< 0.00200 U	< 0.00200 U	< 0.00200 U	3.87	< 2.40 U	3.87	316	1430
MW-29	3/16/2021	REG	0.00288 J	< 0.00400 U	< 0.0100 U	--	8.40 D X	--	0.0903	< 0.00200 U	< 0.00200 U	< 0.00200 U	4.59 B	< 2.27 U	4.59 B	352	1,360
MW-29	9/22/2021	REG	0.00284 J	< 0.00400 U	< 0.0100 U	--	7.72	--	0.0584	< 0.0200 U	< 0.00200 U	< 0.00400 U	3.90 J	1.14 J	5.04 J	317	1,370
MW-29	2/24/2022	REG	0.00276 J	<0.00400 U	<0.0100 U	--	NA	--	<0.00200 U	<0.00200 U	<0.00200 U	<0.00400 U	<4.50 U	2.33 J	2.33 J	356	1,370
MW-29	9/27/2022	REG	0.00233 J	<0.00400 U	<0.0100 U	--	9.29	--	0.0488	<0.00200 U	0.000817 J	<0.00400 UB	<4.57 U	<4.57 U	<4.57 U	313	1,340
MW-3	4/5/2017	REG	< 0.0500 U	< 0.0500 U	< 0.0100 U	< 1.00 U	--	< 0.100 U	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	83.7	706
MW-3	4/5/2017	FD	< 0.0500 U	< 0.0500 U	< 0.0100 U	0.0738 J	--	< 0.100 U	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	91.7	664
MW-3	9/13/2017	REG	0.0141	0.000680 J	< 0.0100 U	--	0.0619	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	74.1	806
MW-3	3/15/2018	REG	0.0146	0.000668 J	< 0.0100 U	--	0.0584	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	61.4	732
MW-3	9/25/2018	REG	0.017	0.00122 J	< 0.0100 U	--	0.0528	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	130	656
MW-3	4/5/2019	REG	0.016	0.00111 J	< 0.0100 U	--	0.0562	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	67.7	344
MW-3	10/4/2019	REG	0.0164	0.00113 J	< 0.0100 U	--	0.0512	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.39 U	< 1.39 U	< 1.39 U	84	723
MW-3	3/18/2020	REG	0.0174	0.00114 J	< 0.0100 U	--	0.0497	--	0.000460 J	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.31 U	< 2.31 U	< 2.31 U	86.3	709
MW-3	3/17/2021	REG	0.0168	0.000802 J	< 0.0100 U	--	0.0500	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.20 U	< 2.20 U	< 2.20 U	101	717
MW-3	2/23/2022	REG	0.0163	0.000605 J	<0.0100 U	--	0.0479	--	<0.00200 U	0.000689 J	<0.00200 U	<0.00400 U	<4.49 U	<4.49 U	<4.57 U	86.0	816
MW-30	4/5/2017	REG	< 0.0500 U	< 0.0500 U	--	< 1.00 U	--	0.529 J	0.0325	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	328	1,330
MW-30	4/7/2017	REG	--	--	< 0.0100 U	--	--	--	--	--	--	--	--	--	--	--	--
MW-30	9/12/2017	REG	0.00903	< 0.00400 U	< 0.0100 U	--	0.542	--	0.053	< 0.00200 U	< 0.00200 U	0.00231	< 1.50 U	< 1.50 U	< 1.50 U	307	1,320
MW-30	3/16/2018	REG	0.0119	< 0.00400 U	< 0.0100 U	--	0.616	--	0.015	< 0.00200 U	< 0.00200 U	0.000860 J	< 1.50 U	< 1.50 U	< 1.50 U	285	1,230
MW-30	9/26/2018	REG	0.0158	< 0.00400 U	< 0.0100 U	--	0.455	--	0.0244	< 0.00200 U	< 0.00200 U	0.00125 J	< 1.50 U	< 1.50 U	< 1.50 U	284	1,130
MW-30	4/3/2019	REG	0.0212	0.00146 J	< 0.0100 U	--	0.37	--	0.00872	< 0.00200 U	< 0.00200 U	0.00100 J	< 1.50 U	< 1.50 U	< 1.50 U	260	1,240
MW-30	10/3/2019	REG	0.0123	< 0.00400 U	< 0.0100 U	--	0.298	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	0.969 J	< 1.38 U	0.969 J	244	1,220
MW-30	3/18/2020	REG	0.00942	< 0.00400 U	< 0.0100 U	--	0.440	--	0.00387	< 0.00200 U	< 0.00200 U	0.000870 J	< 2.25 U	< 2.25 U	< 2.25 U	256	1250
MW-30	9/22/2020	REG	0.00762	< 0.00400 U	< 0.0100 U	--	0.317	--	0.00474	< 0.00200 U	< 0.00200 U	< 0.00200 U	0.927 J	< 2.22 U	0.927 J	266	1220
MW-30	3/16/2021	REG	0.00895	< 0.00400 U	< 0.0100 U	--	0.355	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	2.55 B	< 2.28 U	2.55 B	275	1,330
MW-30	9/22/2021	REG	0.00923	< 0.00400 U	< 0.0100 U	--	0.308	--	0.0400 UJ	< 0.0400 U	< 0.00400 UJ	< 0.00800 UJ	< 4.40 UJ	< 4.40 UJ	< 4.40 UJ	242	1,310
MW-30	2/24/2022	REG	0.00943	<0.00400 U	<0.0100 U	--	NA	--	0.00119 J	<0.00200 U	<0.00200 U	<0.00400 U	<4.48 U	<4.48 U	<4.48 U	268	1,190
MW-30	9/27/2022	REG	0.0106	<0.00400 U	<0.0100 U	--	0.302	--	<0.00200 UB	<0.00200 U	<0.00200 U	<0.00400 U	<4.55 U	<4.55 U	<4.55 U	281	1,300
MW-31	4/5/2017	REG	< 0.0500 U	< 0.0500 U	< 0.0100 U	0.105 J	--	0.316	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	435	1,310
MW-31	4/5/2017	FD	< 0.0500 U	< 0.0500 U	< 0.0100 U	0.0918 J	--	0.298	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	431	1,400
MW-31	9/13/2017	REG	0.0347	< 0.00400 U	< 0.0100 U	--	0.569	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	445	1,450
MW-31	3/14/2018	REG	0.0463	< 0.00400 U	< 0.0100 U	--	0.483	--	< 0.00200 UJ	< 0.00200 UJ	< 0.00200 UJ	< 0.00200 UJ	< 1.50 U	< 1.50 U	< 1.50 U	449	1,450
MW-31	9/25/2018	REG	0.0334	< 0.00400 U	< 0.0100 U	--	0.565	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	499	1,420
MW-31	4/3/2019	REG	0.0359	< 0.00400 U	< 0.0100 U	--	0.440	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	533	1,460
MW-31	10/2/2019	REG	0.0392	< 0.00400 U	< 0.0100 U	--	0.555	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.41 U	< 1.41 U	< 1.41 U	462	1,440
MW-31	3/18/2020	REG	0.0409	< 0.00400 U	< 0.0100 U	--	0.442	--	0.000740 J	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.22 U	< 2.22 U	< 2.22 U	462	1430
MW-31	3/16/2021	REG	0.0411	< 0.00400 U	< 0.0100 U	--	0.414	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.27 UB	< 2.27 U	< 2.27 UB	482	1,160
MW-31	2/23/2022	REG	0.0476	<0.00400 U	<0.0100 U	--	0.310	--	<0.00200 U	<0.00200 U	<0.00200 U	<0.00400 U	<4.53 UJ	<4.53 UJ	<4.53 UJ	447	1,660
MW-32	4/7/2017	REG	< 0.0500 U	0.00848 J	0.00560 J	0.0899 J	--	0.0540 J	7.56	0.133	0.177	0.119	< 1.50 U	< 1.50 U	< 1.50 U	988	2,650
MW-32	9/13/2017	REG	0.0263	< 0.00400 U	< 0.0100 U	--	1.32	--	14.7	< 0.00200 U	0.0099	0.00325	1.35 J	< 1.50 U	1.35 J	1,070	3,140
MW-32	3/19/2018	REG	0.0198	< 0.00400 U	< 0.0100 U	--	0.886	--	5.08	0.07	< 0.0500 U	0.056	2.99	< 1.50 U	2.99	831	2,470
MW-32	9/27/2018	REG	0.0298	< 0.00400 U	< 0.0100 U	--	1.32	--	8.37 D	0.000520 J	0.00239	0.00134 J	10.7	< 1.50 U	10.7	578	2,000
MW-32	4/3/2019	REG	0.0361	0.000949 J	< 0.0100 U	--	1.40	--	4.30 D	0.000510 J	0.00196 J	0.00311	11.1	< 1.50 U	11.1	583	2,200
MW-32	10/3/2019	REG	0.0329	< 0.00400 U	< 0.0100 U	--	1.32	--	5.96 DJ	< 0.00200 U	0.00533	0.00538	11.9	< 1.36 U	11.9	435	2,110
MW-32	3/18/2020	REG	0.0397	< 0.00400 U	< 0.0100 U	--	1.81	--	3.91 DJ	0.00200 J	0.00703 J	0.00663 J	7.65	< 2.20 U	7.65	438	2300
MW-32	9/22/2020	REG	0.0380	< 0.00400 U	< 0.0100 U	--	1.63	--	1.21 D	< 0.00200 U	0.00157 J	< 0.00200 U	3.76	< 2.23 U	3.76	510	2320
MW-32	3/16/2021	REG	0.0423	< 0.00400 U	< 0.0100 U	--	2.07 D	--	0.344	< 0.00200 U	< 0.00200 U	0.00475	< 2.25 UB	< 2.25 U	< 2.25 UB	583	2,310
MW-32	9/23/2021	REG	0.000909 J	< 0.00400 U	< 0.0100 U	--	4.85	--	0.638	< 0.00200 U	< 0.00200 U	< 0.00400 U	< 4.41 U	< 4.41 U	< 4.41 U	25.7	852 J
MW-32	2/25/2022	REG	0.0487	<0.00400 U	<0.0100 U	--	2.37	--	0.595 D J	<0.00200 U	<0.00200 U	0.000644 J	1.81 J	<4.49 U	1.81 J	730	2,680
MW-32	9/27/2022	REG	0.0438	<0.00400 U	<0.0100 U	--	1.95	--	<0.00200 U	<0.00200 U	<0.00200 U	<0.00400 U	<4.57 U	<4.57 U	<4.57 U	828	2,780
MW-34	4/5/2017	REG	< 0.0500 U	0.00780 J	--	0.162 J	--	0.0612 J	1.84	< 0.0150 U	0.085	0.0454	< 1.50 U	< 1.50 U	< 1.50 U	244	1,340
MW-34	4/7/2017	REG	--	--	0.00340 J	--	--	--	--	--	--	--	--	--	--	--	--
MW-34	9/12/2017	REG	0.00215	< 0.00400 U	0.00300 J	--	4.72	--	2.42 J	< 0.00200 UJ	< 0.00200 UJ	< 0.00200 UJ	< 1.50 U	1.04 J	1.04 J	235	1,500
MW-34	3/16/2018	REG	0.00242	< 0.00400 U	< 0.0100 U	--	4.66	--	3.68	< 0.0200 U	< 0.0200 U	< 0.0200 U	7.24	2.4	9.64	455	1,470
MW-34	9/27/2018	REG	0.00186 J	< 0.00400 U	0.00470 J	--	5.28	--	0.599 D	< 0.00200 U	< 0.00200 U	< 0.00200 U	2.33	1.46 J	3.79	262	1,450
MW-34	4/2/2019	REG	0.00180 J	< 0.00400 U	< 0.0100 U	--	5.3	--	0.0989	0.000770 J	< 0.00200 U	< 0.00200 U	1.33 J	0.937 J	2.27	286	1,680
MW-34	10/2/2019	REG	0.00108 J	< 0.00400 U	< 0.0100 U	--	4.84	--	0.0642 J	< 0.00200 U	< 0.00200 U	< 0.00200 U	2.17	1.18 J	3.35	302	1,710
MW-34	10/2/2019	FD	0.00107 J	< 0.00400 U	< 0.0100 U	--	4.7	--	0.0609 J	< 0.00200 U	< 0.00200 U	< 0.00200 U	2.33	1.29 J	3.62	299	1,590
MW-34	3/18/2020	FD	0.00102 J	< 0.00400 U	< 0.0100 U	--	4.36 D	--	0.347	< 0.00200 U	0.000810 J	< 0.00200 U	1.55 J	1.68 J	3.23	311	1620

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GROUNDWATER ANALYTICAL RESULTS
EUNICE SOUTH GAS PLANT

		Parameter Name	Arsenic	Chromium	Chromium, Hexavalent	Iron	Barium	Manganese	Benzene	Toluene	Ethylbenzene	Xylene (total)	Petroleum Hydrocarbons (C6-C10)-GRO	Petroleum Hydrocarbons (C10-C28)-DRO	C6-C35 Petroleum Hydrocarbon Summary	Chloride	Total Dissolved Solids
		Report Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		NMWQCC Domestic	0.01	0.05	0.05	1.0	2.0	0.2	0.005	1	0.7	0.62	--	--	--	250	1000
Location ID	Date Sampled	Sample Purpose															
MW-34	3/18/2020	REG	0.00123 J	< 0.00400 U	< 0.0100 U	--	4.59 D	--	0.331	< 0.00200 U	0.000890 J	< 0.00200 U	1.60 J	1.82 J	3.42	308	1620
MW-34	9/22/2020	FD	0.000838 J	< 0.00400 U	< 0.0100 U	--	5.14	--	0.186 J	< 0.00200 U	< 0.00200 U	< 0.00200 U	2.04 J	< 2.22 U	2.04 J	297	1530
MW-34	3/16/2021	REG	0.000866 J	< 0.00400 U	< 0.0100 U	--	5 D	--	0.0204	< 0.00200 U	< 0.00200 U	< 0.00200 U	3.00 B	1.04 J	4.04 BJ	282 X	1,900
MW-34	3/16/2021	FD	0.000884 J	< 0.00400 U	< 0.0100 U	--	4.96 D	--	0.0295 X F	< 0.00200 U X F	< 0.00200 U X F	< 0.00200 U	4.24 B	1.20 J	5.44 B J	298	2,150
MW-34	9/23/2021	REG	0.000802 J	< 0.00400 U	< 0.0100 U	--	4.69	--	0.0857 J	< 0.00200 U	< 0.00200 U	0.000900 J	<4.44 UJ	<4.44 UJ	<4.44 UJ	295	1550
MW-34	9/23/2021	FD	0.000958 J	< 0.00400 U	< 0.0100 U	--	4.72	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00400 U	< 4.48 U	< 4.48 U	< 4.48 U	25.6	1,710 J
MW-34	2/24/2022	REG	0.00105 J	<0.00400 U	<0.0100 U	--	NA	--	<0.00200 U	<0.00200 U	<0.00200 U	<0.00400 U	1.05 J	1.43 J	2.48 J	261	1,520
MW-34	2/24/2022	FD	0.000995 J	<0.00400 U	<0.0100 U	--	NA	--	<0.00200 U	<0.00200 U	<0.00200 U	<0.00400 U	1.07 J	1.08 J	2.15 J	252	1,570
MW-34	9/27/2022	REG	0.000976 J	<0.00400 U	<0.0100 U	--	4.83	--	0.00346	0.00200 U	<0.00200 U	<0.00400 U	<4.55 U	<4.55 U	<4.55 U	252	1,500
MW-34	9/27/2022	FD	0.000890 J	<0.00400 U	<0.0100 U	--	4.65	--	0.00277 UB	<0.00200 U	<0.00200 U	<0.00400 U	<4.55 U	<4.55 U	<4.55 U	253	1,520
MW-35	4/12/2017	REG	--	--	< 0.0100 U	--	0.046	--	0.000750 J	0.0044	< 0.00200 U	< 0.00200 U	2.28	1.77	4.05	1,810	3,300
MW-35	9/15/2017	REG	0.0293 J	< 0.00400 U	< 0.0100 U	--	0.163 J	--	< 0.00200 U	0.00455	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	941	2,090
MW-35	3/14/2018	REG	0.0184	< 0.00400 U	< 0.0100 U	--	0.0735	--	< 0.00200 U	0.00148 J	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	761	2,220
MW-35	9/27/2018	REG	0.0175	< 0.00400 U	< 0.0100 U	--	0.0802	--	< 0.00200 U	0.00130 J	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	331	1,120
MW-35	4/2/2019	REG	0.0166	0.000714 J	< 0.0100 U	--	0.0775	--	< 0.00200 U	0.000440 J	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	321	1,100
MW-35	10/1/2019	REG	0.0108	< 0.00400 U	< 0.0100 U	--	0.0875	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.38 U	< 1.38 U	< 1.38 U	243	1,020
MW-35	3/18/2020	REG	0.00963	< 0.00400 U	< 0.0100 U	--	0.104	--	0.000580 J	0.000470 J	< 0.00200 U	< 0.00200 U	< 2.19 U	< 2.19 U	< 2.19 U	167	955
MW-35	9/22/2020	REG	0.00942	< 0.00400 U	< 0.0100 U	--	0.122 J	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.19 U	< 2.19 U	< 2.19 U	167	937
MW-35	3/17/2021	REG	0.00828	< 0.00400 U	< 0.0100 U	--	0.107	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.27 U	< 2.27 U	< 2.27 U	158	958
MW-35	9/23/2021	REG	0.0110	< 0.00400 U	< 0.0100 U	--	0.104	--	0.00416	0.00611	0.000659 J	0.00415	< 4.50 U	< 4.50 U	< 4.50 U	133	943
MW-35	2/23/2022	REG	0.00956	<0.00400 U	<0.0100 U	--	0.0938	--	<0.00200 U	<0.00200 U	<0.00200 U	<0.00400 U	<4.46 U	<4.46 U	<4.46 U	147	972
MW-35	9/27/2022	REG	0.00869	<0.00400 U	<0.0100 U	--	0.0866	--	<0.00200 U	<0.00200 U	<0.00200 U	<0.00400 U	<4.57 U	<4.57 U	<4.57 U	138	917
MW-36	4/12/2017	REG	--	--	< 0.0100 U	--	0.0488	--	< 0.00200 U	0.0348	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	391	1,150
MW-36	9/15/2017	REG	0.00957 J	< 0.00400 U	< 0.0100 U	--	0.0627 J	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	393	1,350
MW-36	3/14/2018	REG	0.00978	< 0.00400 U	< 0.0100 U	--	0.0802	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	421	1,190
MW-36	9/26/2018	REG	0.01	< 0.00400 U	< 0.0100 U	--	0.102	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	426	1,200
MW-36	9/26/2018	FD	0.01	< 0.00400 U	< 0.0100 U	--	0.101	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	417	1,120
MW-36	4/2/2019	REG	0.0103	< 0.00400 U	< 0.0100 U	--	0.107	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	406	1,180
MW-36	10/1/2019	REG	0.00948	< 0.00400 U	< 0.0100 U	--	0.124	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.40 U	< 1.40 U	< 1.40 U	434	1,280
MW-36	3/17/2020	REG	0.00886	< 0.00400 U	< 0.0100 U	--	0.105	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.25 U	< 2.25 U	< 2.25 U	453	1270
MW-36	3/16/2021	REG	0.00856	< 0.00400 U	< 0.0100 U	--	0.115	--	< 0.00200 U	0.00241	< 0.00200 U	0.00165 J	< 2.28 UB	< 2.28 U	< 2.28 UB	439	1,370
MW-36	2/23/2022	REG	0.00853	<0.00400 U	<0.0100 U	--	0.0952	--	<0.00200 UJ	<0.00200 UJ	<0.00200 UJ	<0.00400 U	<4.48 U	<4.48 U	<4.48 U	409	1,850
MW-37	3/14/2018	REG	0.0118	< 0.00400 U	< 0.0100 U	--	0.127	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	318	1,000
MW-37	9/26/2018	REG	0.0105	< 0.00400 U	< 0.0100 U	--	0.201	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	327	1,010
MW-37	4/2/2019	REG	0.00678	< 0.00400 U	< 0.0100 U	--	0.223	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	336	1,100
MW-37	10/2/2019	REG	0.00595	< 0.00400 U	< 0.0100 U	--	0.192	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.38 U	< 1.38 U	< 1.38 U	314	1,060
MW-37	3/18/2020	REG	0.00797	< 0.00400 U	< 0.0100 U	--	0.287	--	0.000750 J	0.000370 J	< 0.00200 U	< 0.00200 U	< 2.22 U	0.888 J	0.888 J	318	1090
MW-37	3/16/2021	REG	0.0084	< 0.00400 U	< 0.0100 U	--	0.465	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	1.69 B J	< 2.25 U	1.69 B J	357	1,060
MW-37	2/23/2022	REG	0.0113	<0.00400 U	<0.0100 U	--	0.536	--	<0.00200 U	<0.00200 U	<0.00200 U	<0.00400 U	<4.53 UJ	<4.53 UJ	<4.53 UJ	336	1,180
MW-38	3/14/2018	REG	0.0106	< 0.00400 U	< 0.0100 U	--	0.183	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	307 J	1,110
MW-38	3/14/2018	FD	0.0102	< 0.00400 U	< 0.0100 U	--	0.175	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	438 J	1,230
MW-38	9/26/2018	REG	0.0492	0.000709 J	< 0.0100 U	--	0.265	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	613	1,850
MW-38	4/2/2019	REG	0.0273	< 0.00400 U	< 0.0100 U	--	0.102	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	614	1,870
MW-38	10/2/2019	REG	0.0126	< 0.00400 U	< 0.0100 U	--	0.094	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.36 U	< 1.36 U	< 1.36 U	655	1,960
MW-38	3/18/2020	REG	0.00838	< 0.00400 U	< 0.0100 U	--	0.09	--	0.00104 J	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.18 U	< 2.18 U	< 2.18 U	772	2400
MW-38	9/22/2020	REG	0.00970	< 0.00400 U	< 0.0100 U	--	0.0718	--	0.00121 J	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.19 U	< 2.19 U	< 2.19 U	641	1960
MW-38	3/16/2021	REG	0.00874	< 0.00400 U	< 0.0100 U	--	0.0736	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.28 UB	< 2.28 U	< 2.28 UB	585	2,040
MW-38	9/23/2021	REG	0.00852	< 0.00400 U	< 0.0100 U	--	0.0732	--	0.000632 J	0.00115 J	< 0.00200 U	0.000671 J	< 4.42 U	< 4.42 U	< 4.42 U	52.7	1,880
MW-38	2/23/2022	REG	0.00704	<0.00400 U	<0.0100 U	--	0.0653	--	<0.00200 U	<0.00200 U	<0.00200 U	<0.00400 U	<4.55 U	<4.55 U	<4.55 U	807	2,320
MW-38	9/27/2022	REG	0.00682	<0.00400 U	<0.0100 U	--	0.0726	--	<0.00200 U	<0.00200 U	<0.00200 U	<0.00400 U	<4.57 U	<4.57 U	<4.57 U	1,000	1,990
MW-4	4/4/2017	REG	< 0.0500 U	< 0.0500 U	--	0.0629 J	--	1.14	0.00402	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	2,390	4,180
MW-4	4/7/2017	REG	--	--	< 0.0100 U	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	9/13/2017	REG	0.00758	< 0.00400 U	< 0.0100 U	--	0.0783	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	2,500	5,360
MW-4	3/15/2018	REG	0.00787	< 0.00400 U	< 0.0100 U	--	0.0796	--	0.00595	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	2,540	6,170
MW-4	9/27/2018	REG	0.00858	< 0.00400 U	< 0.0100 U	--	0.0803	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	2,620	4,350
MW-4	4/4/2019	REG	0.00818	0.00163 J	< 0.0100 U	--	0.062	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	1,830	4,970
MW-4	10/3/2019	REG	0.00848	< 0.00400 U	< 0.0100 U	--	0.0585	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	0.928 J	< 1.39 U	0.928 J	2,150	4,390
MW-4	10/3/2019	FD	0.00914	< 0.00400 U	< 0.0100 U	--	0.0534	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.38 U	< 1.38 U	< 1.38 U	2,130	4,240
MW-4	3/19/2020	REG	0.00985	< 0.0200 U	< 0.0100 U	--	0.0627	--	0.000470 J	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.19 U	< 2.19 U	< 2.19 U	2120	4460
MW-4	3/18/2021	REG	0.00981	< 0.00400 U	< 0.0100 U	--	0.0608	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	1.76 B J	< 2.26 U	1.76 B J	1,250	4,160
MW-4	2/23/2022	REG	0.00982	<0.00400 U	<0.0100 U	--	0.0808	--	<0.00200 U	0.000559 J	<0.00200 U	<0.00400 U	<4.55 U	<4.55 U	<4.55 U	1,710	4,060
MW-6	4/4/2017	REG	< 0.0500 U	< 0.0500 U	< 0.0100 U	0.0437 J	--	0.115	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	866	3,700

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GROUNDWATER ANALYTICAL RESULTS
EUNICE SOUTH GAS PLANT

		Parameter Name	Arsenic	Chromium	Chromium, Hexavalent	Iron	Barium	Manganese	Benzene	Toluene	Ethylbenzene	Xylene (total)	Petroleum Hydrocarbons (C6-C10)-GRO	Petroleum Hydrocarbons (C10-C28)-DRO	C6-C35 Petroleum Hydrocarbon Summary	Chloride	Total Dissolved Solids
		Report Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		NMWQCC Domestic	0.01	0.05	0.05	1.0	2.0	0.2	0.005	1	0.7	0.62	--	--	--	250	1000
Location ID	Date Sampled	Sample Purpose															
MW-7	4/4/2017	REG	< 0.0500 U	< 0.0500 U	< 0.0100 U	**0.265 J**	--	**1.08**	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	**95.7**	**1,050**
MW-8	4/5/2017	REG	< 0.0500 U	< 0.0500 U	**0.0067 J**	**0.0964 J**	--	**0.181**	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	**840**	**2,620**
MW-8	4/5/2017	FD	< 0.0500 U	< 0.0500 U	**0.0042 J**	**0.0918 J**	--	**0.194**	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	**851**	**2,460**
MW-8	9/12/2017	REG	**0.0408**	< 0.00400 U	< 0.0100 U	--	**0.04**	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	**782**	**3,300**
MW-8	3/16/2018	REG	**0.0344**	< 0.00400 U	< 0.0100 U	--	**0.0383**	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	**1,330**	**2,340**
MW-8	9/28/2018	REG	**0.0416**	< 0.00400 U	< 0.0100 U	--	**0.0484**	--	**0.00242**	< 0.00200 U	< 0.00200 U	**0.000930 J**	< 1.50 U	< 1.50 U	< 1.50 U	**592**	**2,160**
MW-8	4/3/2019	REG	**0.0519**	**0.00112 J**	< 0.0100 U	--	**0.0496**	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	**512**	**2,240**
MW-8	10/3/2019	REG	**0.034**	< 0.00400 U	< 0.0100 U	--	**0.0426**	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.38 U	< 1.38 U	< 1.38 U	**458**	**2,090**
MW-8	3/18/2020	REG	**0.0353**	< 0.00400 U	< 0.0100 U	--	**0.0607**	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.24 U	< 2.24 U	< 2.24 U	**423**	**2330**
MW-8	3/17/2021	REG	**0.0338**	< 0.00400 U	< 0.0100 U	--	**0.0648**	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.25 U	< 2.25 U	< 2.25 U	**506**	**2,520**
MW-8	2/24/2022	REG	**0.0299**	<0.00400 U	<0.0100 U	--	NA	--	<0.00200 U	<0.00200 U	<0.00200 U	<0.00400 U	<4.53 U	<4.53 U	<4.53 U	**714**	**2,290**
MW-9	4/5/2017	REG	< 0.0500 U	< 0.0500 U	--	**0.0551 J**	--	**0.307 J**	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	**453**	**1,650**
MW-9	4/7/2017	REG	--	--	< 0.0100 U	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/12/2017	REG	**0.0131**	< 0.00400 U	< 0.0100 U	--	**0.177**	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	**434**	**1,760**
MW-9	3/16/2018	REG	**0.0125**	< 0.00400 U	< 0.0100 U	--	**0.379**	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	**716**	**1,670**
MW-9	9/27/2018	REG	**0.0145**	< 0.00400 U	< 0.0100 U	--	**1.11**	--	**0.00122 J**	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	**360**	**1,470**
MW-9	4/3/2019	REG	**0.0107**	**0.00113 J**	< 0.0100 U	--	**4.79**	--	**0.00105 J**	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	**334**	**1,410**
MW-9	10/3/2019	REG	**0.00387 J**	< 0.00400 U	< 0.0100 U	--	**9.06**	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	**1.04 J**	< 1.38 U	**1.04 J**	**286**	**1,340**
MW-9	3/18/2020	REG	**0.00572**	< 0.00400 U	< 0.0100 U	--	**11.0 D**	--	**0.00370**	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.24 U	< 2.24 U	< 2.24 U	**276**	**1370**
MW-9	3/16/2021	REG	**0.00631**	< 0.00400 U	< 0.0100 U X	--	**11.6 D**	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	**2.49 B**	< 2.24 U	**2.49 B**	**241**	**1,430**
MW-9	2/24/2022	REG	**0.00619**	<0.00400 U	<0.0100 U	--	NA	--	<0.00200 U	<0.00200 U	<0.00200 U	<0.00400 U	<4.49 U	<4.49 U	<4.49 U	**208**	**1,150**
MWD-1	4/6/2017	REG	**0.0715**	< 0.0500 U	< 0.0100 U	< 1.00 U	--	< 0.100 U	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	**629**	**1,700**
MWD-1	9/13/2017	REG	**0.0514**	**0.00479**	< 0.0100 U	--	**0.0455**	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	**635**	**1,910**
MWD-1	3/14/2018	REG	**0.0483**	**0.00475**	< 0.0100 U	--	**0.0447**	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	**547**	**1,500**
MWD-1	9/25/2018	REG	**0.0485**	**0.00485**	**0.00360 J**	--	**0.0581**	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	**567**	**1,580**
MWD-1	4/3/2019	REG	**0.0544**	**0.00612**	< 0.0100 U	--	**0.0503**	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	**501**	**1,640**
MWD-1	10/3/2019	REG	**0.0501**	**0.00388 J**	< 0.0100 U	--	**0.0483**	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.34 U	< 1.34 U	< 1.34 U	**469**	**1,540**
MWD-1	3/19/2020	REG	**0.0543**	**0.00389 J**	< 0.0100 U	--	**0.0454**	--	**0.000840 J**	**0.000390 J**	< 0.00200 U	< 0.00200 U	< 2.20 U	< 2.20 U	< 2.20 U	**479**	**1590**
MWD-1	3/18/2021	REG	**0.0431**	**0.00330 J**	< 0.0100 U	--	**0.0554**	--	< 0.00200 U	**0.00127 J**	< 0.00200 U	< 0.00200 U	< 2.26 UB	< 2.26 U	< 2.26 UB	**536**	**1,590**
MWD-1	2/24/2022	REG	**0.0416**	**0.00305 J**	<0.0100 U	--	NA	--	<0.00200 U	<0.00200 U	<0.00200 U	<0.00400 U	<4.53 U	<4.53 U	<4.53 U	**465**	**1,560**
MWD-11	4/5/2017	REG	< 0.0500 U	< 0.0500 U	< 0.0100 U	< 1.00 U	--	< 0.100 U	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	**91.6**	**722**
MWD-11	9/15/2017	REG	**0.0157 J**	**0.00142 J**	**0.00580 J**	--	**0.0520 J**	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	**101 J**	**758 J**
MWD-11	9/15/2017	FD	**0.0276 J**	< 0.00400 U	< 0.0100 U	--	**0.155 J**	--	< 0.00200 U	**0.00335**	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	**1,190 J**	**2,560 J**
MWD-11	3/15/2018	REG	**0.0142**	**0.00121 J**	< 0.0100 U	--	**0.0632**	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	**121**	**937**
MWD-11	9/25/2018	REG	**0.0184**	**0.00107 J**	< 0.0100 U	--	**0.0667**	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	**145**	**981**
MWD-11	4/5/2019	REG	**0.0198**	**0.00113 J**	< 0.0100 U	--	**0.0466**	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	**80.2**	**736**
MWD-11	10/4/2019	REG	**0.016**	**0.00135 J**	**0.00550 J**	--	**0.0486**	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.38 U	< 1.38 U	< 1.38 U	**112**	**801**
MWD-11	3/18/2020	REG	**0.0169**	**0.00151 J**	< 0.0100 U	--	**0.0488**	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.31 U	< 2.31 U	< 2.31 U	**96.6**	**753**
MWD-11	3/17/2021	REG	**0.0214**	**0.00145 J**	< 0.0100 U	--	**0.0496**	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.24 U	< 2.24 U	< 2.24 U	**90.2**	**683**
MWD-11	2/23/2022	REG	**0.0159**	**0.000804 J**	<0.0100 U	--	**0.0564**	--	<0.00200 U	**0.00046 J**	<0.00200 U	<0.00400 U	<4.45 UJ	<4.45 UJ	<4.45 UJ	**126**	**979**
MWD-12	4/6/2017	REG	**0.0375 J**	< 0.0500 U	**0.00280 J**	**0.161 J**	--	**0.0977 J**	**0.048**	< 0.00150 U	**0.0745**	**0.00592**	**1.61**	**3.07**	**4.68**	**962**	**2,780**
MWD-12	9/13/2017	REG	**0.037**	< 0.00400 U	< 0.0100 U	--	**0.275**	--	**0.0271**	< 0.00200 U	**0.0834**	**0.00233**	< 1.50 U	< 1.50 U	< 1.50 U	**793**	**2,740**
MWD-12	3/19/2018	REG	**0.0321**	< 0.00400 U	< 0.0100 U	--	**0.245**	--	**0.00204**	< 0.00200 U	**0.0325**	< 0.00200 U	**1.04 J**	< 1.50 U	**1.04 J**	**1,020**	**2,480**
MWD-12	9/27/2018	REG	**0.0391**	< 0.00400 U	< 0.0100 U	--	**0.346**	--	**0.0049**	**0.000380 J**	**0.06**	**0.00176 J**	**1.01 J**	**1.15 J**	**2.16**	**1,080**	**2,760**
MWD-12	4/3/2019	REG	**0.0443**	**0.000870 J**	< 0.0100 U	--	**0.38**	--	**0.000460 J**	< 0.00200 U	**0.0109**	< 0.00200 U	< 1.50 U	**1.20 J**	**1.20 J**	**901**	**3,120**
MWD-12	10/4/2019	REG	**0.035**	< 0.00400 U	< 0.0100 U	--	**0.371**	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.38 U	< 1.38 U	< 1.38 U	**914**	**2,840**
MWD-12	3/19/2020	REG	**0.0389**	< 0.00400 U	< 0.0100 U	--	**0.296**	--	**0.00886**	**0.000500 J**	**0.0424**	**0.00428**	< 2.17 U	**1.70 J**	**1.70 J**	**1390**	**3280**
MWD-12	9/22/2020	REG	**0.0352**	< 0.00400 U	< 0.0100 U	--	**0.298 J**	--	< 0.00200 U	< 0.00200 U	**0.0516**	**0.00346**	**1.15 J**	< 2.26 UJ	**1.15 J**	**1550**	**3730**
MWD-12	3/17/2021	REG	**0.0429**	< 0.00400 U	< 0.0100 U	--	**0.314**	--	**0.00160 J**	< 0.00200 U	**0.0301**	**0.00636**	< 2.23 U	**0.930 J**	**0.930 J**	**918**	**3,070**
MWD-12	9/22/2021	REG	**0.044**	< 0.00400 U	< 0.0100 U	--	**0.374**	--	< 0.0400 U	0.04 U	0.0952	< 0.00800 U	< 4.34 U	< 4.42 U	< 4.42 U	**1,570**	**4,260**
MWD-12	2/24/2022	REG	**0.0415**	<0.00400 U	<0.0100 U	--	NA	--	<0.00200 U	<0.00200 U	**0.0993 J**	**0.00917**	**1.40 J**	**1.53 J**	**2.93 J**	**1,370**	**4,830**
MWD-12	9/28/2022	REG	**0.0356**	<0.00400 U	<0.0100 U	--	**0.253**	--	**0.00586**	<0.00200 U	**0.0435**	**0.00702**	<4.55 U	<4.55 U	<4.55 U	**1,610**	**4,330**
MWD-13	4/4/2017	REG	< 0.0500 U	< 0.0500 U	< 0.0100 U	< 1.00 U	--	**0.269**	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	**1,930**	**5,150**
MWD-13	9/12/2017	REG	**0.0294**	**0.000896 J**	< 0.0100 U	--	**0.0615**	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	**2,620**	**6,280**
MWD-13	9/13/2017	REG	**0.0145**	< 0.00400 U	< 0.0100 U	--	**0.12**	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	**331**	**1,170**
MWD-13	3/15/2018	REG	**0.0366**	**0.000814 J**	< 0.0100 U	--	**0.0555**	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	**2,450**	**5,470**
MWD-13	9/27/2018	REG	**0.0622**	**0.00149 J**	< 0.0100 U	--	**0.0885**	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	**2,410**	**6,330**
MWD-13	4/3/2019	REG	**0.0349**	**0.0102**	< 0.0100 U	--	**0.0781**	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	**1,880**	**5,180**
MWD-13	10/3/2019	REG	**0.062**	**0.00285 J**	< 0.0100 U	--	**0.0726**	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.35 U	< 1.35 U	< 1.35 U	**1,290**	**4,610**
MWD-13	3/19/2020	REG	**0.0359**	**0.00158 J**	< 0.0100 U	--	**0.0625**	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.18 U	< 2.18 U	< 2.18 U	**2230**	**5300**
MWD-13	9/22/2020	REG	**0.0670**	**0.00337 J**	< 0.0100 U	--	**0.0878 J**	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.24 U	< 2.24 U	< 2.24 U	**2250**	**6430**

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GROUNDWATER ANALYTICAL RESULTS
EUNICE SOUTH GAS PLANT

Parameter Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Barium	Manganese	Benzene	Toluene	Ethylbenzene	Xylene (total)	Petroleum Hydrocarbons (C6-C10)-GRO	Petroleum Hydrocarbons (C10-C28)-DRO	C6-C35 Petroleum Hydrocarbon Summary	Chloride	Total Dissolved Solids
Report Units			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
NMWQCC Domestic			0.01	0.05	0.05	1.0	2.0	0.2	0.005	1	0.7	0.62	--	--	--	250	1000
Location ID	Date Sampled	Sample Purpose															
MWD-13	3/17/2021	REG	0.0526	0.00168 J	< 0.0100 U	--	0.0877	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.22 U	< 2.22 U	< 2.22 U	1,120	5,450
MWD-13	9/22/2021	REG	0.0693	0.00216 J	< 0.0100 U	--	0.112	--	< 0.0200 U	0.02 U	0.00657 U	< 0.00400 U	0.869 J	< 4.37 U	0.869 J	2,000	5,680
MWD-13	2/25/2022	REG	0.0556	0.00218 J	<0.0100 U	--	0.117	--	<0.00200 U	<0.00200 U	<0.00200 U	<0.00400 U	<4.50 U	<4.50 U	<4.50 U	2,210	7,470
MWD-13	9/27/2022	REG	0.0442	0.00215 J	<0.0100 U	--	0.0775	--	<0.00200 U	<0.00200 U	<0.00200 U	<0.00400 U	<4.57 U	<4.57 U	<4.57 U	3,550	7,390
MWD-14	4/6/2017	REG	< 0.0500 U	< 0.0500 U	< 0.0100 U	0.212 J	--	0.161 J	1.32	< 0.0150 U	0.337	0.0865	< 1.50 U	2.02	2.02	2,980	5,760
MWD-14	9/14/2017	REG	0.00292	0.000812 J	< 0.0100 U	--	0.532	--	2.6	0.0117	0.369	0.0303	1.59	< 1.50 U	1.59	1,210	4,090
MWD-14	3/19/2018	REG	0.00254	0.000705 J	< 0.0100 U	--	0.342	--	0.363	< 0.00200 U	0.0184	< 0.00200 U	3.18	< 1.50 U	3.18	8,000	11,400
MWD-14	9/28/2018	REG	0.000750 J	0.000714 J	< 0.0100 U	--	0.747	--	1.86 D	0.00177 J	0.306	0.0137	4.68	2.02	6.7	1,280	4,130
MWD-14	4/5/2019	REG	0.000809 J	0.000762 J	< 0.0100 U	--	0.436	--	0.981	< 0.0200 U	0.0709	< 0.0200 U	4.01	1.82	5.83	974	3,820
MWD-14	10/4/2019	REG	0.000588 J	0.000883 J	< 0.0100 U	--	0.808	--	1.18 DJ	< 0.00200 U	0.136 J	0.00904 J	3.43	< 1.35 U	3.43	595	2,900
MWD-14	3/19/2020	REG	0.000667 J	0.000833 J	< 0.0100 U	--	0.605	--	1.98 D	< 0.00200 U	0.152	0.00539	3.00	2.03 J	5.03	742	3410
MWD-14	9/23/2020	REG	0.000558 J	0.000723 J	< 0.0100 UJ	--	1.09	--	0.780 D	< 0.00200 U	0.0504	0.00496	3.07	< 2.19 U	3.07	426	3140
MWD-14	3/19/2021	REG	0.000648 J	0.00105 J	< 0.0100 U	--	0.982	--	0.845 D	0.000820 J	0.00184 J	0.00646	4.70 B	< 2.26 U	4.70 B	430	3,450
MWD-14	9/22/2021	REG	0.000558 J	0.000690 J	< 0.0100 U	--	0.807	--	0.701	0.04 U	0.0365 J	< 0.00800 U	< 4.53 U	< 4.53 U	< 4.53 U	586	2,670
MWD-14	2/25/2022	REG	0.000476 J	0.000888 J	<0.0100 U	--	1.15	--	0.211 D	<0.00200 U	0.0425	0.00302 J	<4.50 U	<4.50 U	<4.50 U	501	2,880
MWD-14	9/29/2022	REG	0.000576 J	0.000671 J	<0.0100 U	--	0.928	--	0.963	<0.00200 U	0.0712	<0.00400 U	<4.57 U	<4.57 U	<4.57 U	514	3,320
MWD-15	4/6/2017	REG	< 0.0500 U	< 0.0500 U	0.00610 J	0.199 J	--	0.0899 J	0.0177	< 0.00150 U	0.0244	0.0585	2.2	< 1.50 U	2.2	< 25.0 U	3,390
MWD-15	9/14/2017	REG	0.0258	0.000651 J	0.00250 J	--	1.51	--	0.00598	< 0.00200 U	0.00262	0.0102	1.24 J	< 1.50 U	1.24 J	1,450	4,010
MWD-15	3/15/2018	REG	0.0182	< 0.00400 U	< 0.0100 U	--	1.26	--	0.00123 J	< 0.00200 U	< 0.00200 U	< 0.00200 U	1.03 J	< 1.50 U	1.03 J	1,480	4,140
MWD-15	9/27/2018	REG	0.00653	< 0.00400 U	< 0.0100 U	--	2.41	--	0.00417 J	< 0.00200 U	0.00437 J	0.00479 J	1.43 J	< 1.50 U	1.43 J	1,440	3,200
MWD-15	4/4/2019	REG	0.00799	0.00207 J	< 0.0100 U	--	1.83	--	0.0132 J	< 0.00200 U	0.0179 J	0.0263 J	1.67	< 1.50 U	1.67	604 J	3,210
MWD-15	10/3/2019	REG	0.018	< 0.00400 U	< 0.0100 U	--	1.19	--	0.00443 J	< 0.00200 U	0.0146 J	0.0342 J	1.77	1.6	3.37	1,300	3,570
MWD-15	3/19/2020	REG	0.0117	< 0.0200 U	< 0.0100 U	--	1.79	--	< 0.00200 U	0.000470 J	< 0.00200 U	< 0.00200 U	< 2.14 U	0.834 J	0.834 J	1470	3470
MWD-15	9/22/2021	REG	0.00583	< 0.00400 U	< 0.0500 U	--	2.51	--	0.0138 J	0.04 U	< 0.00400 U	0.0167 J	< 4.46 U	< 4.46 U	< 4.46 U	1,250	3,230
MWD-15	2/24/2022	REG	0.00676	0.00400	<0.0100 U	--	NA	--	<0.00200 U	<0.00200 U	<0.00200 U	<0.00400 U	<1.17 J	2.40 J	2.40 J	1,280	4,240
MWD-15	9/28/2022	REG	0.00608	<0.00400 U	0.0329	--	2.93	--	0.00321 J	<0.00200 U	0.00198 J	0.00847 J	<4.55 U	<4.55 U	<4.55 U	1,190	2,820
MWD-17	4/4/2017	REG	0.0765	< 0.0500 U	--	0.0942 J	--	0.118	0.79	< 0.00750 U	0.145	0.0173	< 1.50 U	< 1.50 U	< 1.50 U	7,460	13,300
MWD-17	4/7/2017	REG	--	--	< 0.0100 U	--	--	--	--	--	--	--	--	--	--	--	--
MWD-17	3/15/2018	REG	0.0491	< 0.00400 U	< 0.0100 U	--	1.55	--	0.529	< 0.0100 U	0.0928	0.00450 J	2.3	< 1.50 U	2.3	8,690	14,600
MWD-17	4/3/2019	REG	0.0593	0.00396 J	< 0.0100 U	--	1.89	--	0.179	< 0.00200 U	0.014	0.0041	1.10 J	< 1.50 U	1.10 J	3,810	12,500
MWD-17	3/19/2020	REG	0.0490	< 0.0200 U	< 0.0500 U	--	2.23 D	--	0.0885	< 0.00200 U	0.00864	0.00331	< 2.14 U	0.974 J	0.974 J	5340	11600
MWD-17	3/18/2021	REG	0.0447	0.000810 J	< 0.0100 U	--	0.422	--	0.0120 J	0.000740 J	0.000970 J	0.00862 J	< 2.27 UB	< 2.27 U	< 2.27 UB	3,350	11,900
MWD-17	2/24/2022	REG	0.0596	0.00400	<0.0100 U	--	NA	--	0.0238	<0.00200 U	<0.00200 U	<0.00400 U	<4.49 U	1.52 J	1.52 J	5,520	11,400
MWD-2	4/5/2017	REG	< 0.0500 U	< 0.0500 U	< 0.0100 U	< 1.00 U	--	0.105	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	1,200	2,370
MWD-2	3/15/2018	REG	0.0102	< 0.00400 U	< 0.0100 U	--	0.0456	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	1,140	3,120
MWD-2	4/4/2019	REG	0.0088	0.00119 J	< 0.0100 U	--	0.0500	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	796 J	2,730
MWD-2	3/19/2020	REG	0.0100	0.000565 J	< 0.0100 U	--	0.0431	--	0.000410 J	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.24 U	< 2.24 U	< 2.24 U	857	2660
MWD-2	3/18/2021	REG	0.0104	< 0.00400 U	< 0.0100 U	--	0.0437	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	1.74 B J	<2.23 U	1.74 B J	711	2,600
MWD-2	2/23/2022	REG	0.0113	<0.00400 U	<0.0100 U	--	0.0417	--	<0.00200 U	0.000428 J	<0.00200 U	<0.00400 U	<4.52 U	<4.52 U	<4.52 U	720	2,480
MWD-3	2/28/2018	REG	--	--	--	--	--	--	--	--	--	--	--	--	--	38,700	45,900
MWD-3	3/15/2018	REG	0.0358	0.00196 J	< 0.0100 U	--	0.755	--	2.13	0.00770 J	0.0677	0.025	5.35	< 1.50 U	5.35	35,900	49,300
MWD-3	3/30/2018	REG	--	--	--	--	--	--	--	--	--	--	--	--	--	37,000	51,200
MWD-3	8/8/2018	REG	--	--	--	--	--	--	--	--	--	--	--	--	--	34,500	54,700
MWD-3	8/31/2018	REG	--	--	--	--	--	--	--	--	--	--	--	--	--	40,800	60,300
MWD-3	9/28/2018	REG	0.0335	0.00307 J	< 0.0100 U	--	0.671	--	2.40 D	0.0062	0.0575	0.0224	4.62	< 1.50 U	4.62	41,100	86,700
MWD-3	10/4/2019	REG	0.0297	0.00194 J	< 0.0100 U	--	0.753	--	1.97 D	0.00558	0.0662 J	0.033	5.55	< 1.34 U	5.55	44,800	57,700
MWD-3	3/19/2020	REG	0.0348 D	< 0.0200 U	< 0.0100 U	--	0.936 D	--	4.62 DJ	0.00533 J	0.0630 J	0.0249 J	4.61	0.942 J	5.55	36000	52000
MWD-3	9/22/2020	REG	0.0469	< 0.00400 U	< 0.0100 U	--	4.50 J	--	0.137	< 0.00200 U	< 0.00200 U	< 0.00200 U	1.32 J	< 2.23 UJ	1.32 J	7110	13000
MWD-3	3/18/2021	REG	0.0490	0.000579 J	< 0.0100 U	--	3.24 D	--	0.824 D	0.00127 J	0.000720	0.00578	3.80 B	<2.19 U	3.80 B	16,300	31,500
MWD-3	9/22/2021	REG	0.0985	0.000533 J	< 0.0100 U	--	5.79	--	1.29	0.04 U	< 0.00400 U	< 0.00800 U	< 4.25 U	< 4.25 U	< 4.53 U	19,300	34,300
MWD-3	2/24/2022	REG	0.0489	<0.00400 U	<0.0100 U	--	NA	--	1.95 D J	<0.00200 U	0.00139 J	<0.00400 U	<4.49 U	1.65 J	1.65 J	20,500	33,000
MWD-3	9/28/2022	REG	0.0397	0.000833 J	<0.0100 U	--	3.31	--	1.17 D J	<0.00200 U	0.00131 J	0.000725 J	<4.55 U	<4.55 U	<4.55 U	19,200	33,000
MWD-4	4/4/2017	REG	< 0.0500 U	< 0.0500 U	< 0.0100 U	0.105 J	--	0.608	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	45.5	872
MWD-4	9/12/2017	REG	0.00158 J	< 0.00400 U	0.00390 J	--	0.0522	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	48.4	1,290
MWD-4	3/15/2018	REG	0.00147 J	< 0.00400 U	< 0.0100 U	--	0.0573	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	29.4	1,110
MWD-4	9/27/2018	REG	0.00152 J	< 0.00400 U	< 0.0100 U	--	0.0698	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	56.3	992
MWD-4	4/3/2019	REG	0.00154 J	< 0.00400 U	< 0.0100 U	--	0.0655	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	57.1	1,360 J
MWD-4	4/3/2019	FD	0.00147 J	< 0.00400 U	< 0.0100 U	--	0.0655	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	59.9	5,610 J
MWD-4	10/3/2019	REG	0.00139 J	< 0.00400 U	< 0.0100 U	--	0.0593	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.38 U	< 1.38 U	< 1.38 U	49.5	1,220
MWD-4	3/19/2020	REG	0.00127 J	< 0.00400 U	< 0.0100 U	--	0.0554	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.14 U	< 2.14 U	< 2.14 U	39.6	1260
MWD-4	3/17/2021	REG	0.00212 J	< 0.00400 U	< 0.0100 U	--	0.0742	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.27 U	< 2.27 U	< 2.27 U	44.3	1,020
MWD-4	2/25/2022	REG	0.00264 J	<0.00400 U	<0.0100 U	--	0.0751	--	0.00222	<0.00200 U	<0.00200 U	<0.00400 U	<4.49 U	<4.49 U	<4.49 U	90.9	952

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GROUNDWATER ANALYTICAL RESULTS
EUNICE SOUTH GAS PLANT

		Parameter Name	Arsenic	Chromium	Chromium, Hexavalent	Iron	Barium	Manganese	Benzene	Toluene	Ethylbenzene	Xylene (total)	Petroleum Hydrocarbons (C6-C10)-GRO	Petroleum Hydrocarbons (C10-C28)-DRO	C6-C35 Petroleum Hydrocarbon Summary	Chloride	Total Dissolved Solids
		Report Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		NMWQCC Domestic	0.01	0.05	0.05	1.0	2.0	0.2	0.005	1	0.7	0.62	--	--	--	250	1000
Location ID	Date Sampled	Sample Purpose															
MWD-5	1/31/2017	REG	--	--	--	--	5.28	--	--	--	--	--	--	--	--	512	1,980
MWD-5	4/5/2017	REG	< 0.0500 U	< 0.0500 U	--	0.200 J	--	0.248 J	5.05	< 0.0750 U	< 0.100 U	0.0625 J	3.73	5.36	9.09	448	1,840
MWD-5	4/7/2017	REG	--	--	0.00480 J	--	--	--	--	--	--	--	--	--	--	--	--
MWD-5	3/15/2018	REG	0.0175	0.00649	< 0.0100 U	--	0.0728	--	0.0122	< 0.00200 U	< 0.00200 U	0.000710 J	< 1.50 U	< 1.50 U	< 1.50 U	16,700	28,500
MWD-5	4/3/2019	REG	0.0165	0.00105 J	< 0.0100 U	--	7.71	--	3.46	< 0.0500 U	< 0.0500 U	< 0.0500 U	12.9	1.7	14.6	708	2,090
MWD-5	3/18/2020	REG	0.0148	< 0.00400 U	< 0.0100 U	--	7.58 D	--	6.82 D	0.00158 J	0.0103	0.0100	10.5	3.30	13.8	598	7900
MWD-5	3/16/2021	REG	0.0154	< 0.00400 U	< 0.0100 U	--	8.10 D	--	6.02 D	< 0.00200 U	0.00724	0.00601	12.80 B	2.07 J	14.87 B J	502	2,140
MWD-5	2/24/2022	REG	0.0119	<0.00400 U	<0.0100 U	--	NA	--	3.45 D J	0.0016 J	0.00745 J	0.00141 J	4.10 J	15.10	19.20 J	634	2,300
MWD-6	4/5/2017	REG	< 0.0500 U	< 0.0500 U	--	0.106 J	--	0.239 J	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	< 5.00 U	1,260
MWD-6	4/7/2017	REG	--	--	< 0.0100 U	--	--	--	--	--	--	--	--	--	--	--	--
MWD-6	9/13/2017	REG	0.00345	< 0.00400 U	< 0.0100 U	--	1.5	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	183	1,310
MWD-6	3/16/2018	REG	0.0069	< 0.00400 U	< 0.0100 U	--	2.45	--	0.00112 J	< 0.00200 UJ	< 0.00200 UJ	0.000680 J	< 1.50 U	< 1.50 U	< 1.50 U	172	1,370
MWD-6	9/27/2018	REG	0.00238 J	< 0.00400 U	< 0.0100 U	--	3.74	--	0.0043	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	209	1,250
MWD-6	4/2/2019	REG	0.00474	< 0.00400 U	< 0.0100 U	--	3.77	--	0.00214	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	202	1,220
MWD-6	10/2/2019	REG	0.00234 J	< 0.00400 U	< 0.0100 U	--	2.87	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	0.966 J	< 1.35 U	0.966 J	184	1,250
MWD-6	3/18/2020	REG	0.00757	< 0.00400 U	< 0.0100 U	--	1.75	--	0.00766	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.25 U	< 2.25 U	< 2.25 U	193	1240
MWD-6	3/16/2021	REG	0.00623	< 0.00400 U	< 0.0100 U	--	0.838	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	1.82 B J	<2.21 U	1.82 B J	160	1,100
MWD-6	2/24/2022	REG	0.00390 J	<0.00400 U	<0.0100 U	--	NA	--	<0.00200 U	<0.00200 U	<0.00200 U	<0.00400 U	<4.53 U	<4.53 U	<4.53 U	166	1,100
MWD-7	4/4/2017	REG	< 0.0500 U	< 0.0500 U	< 0.0100 U	< 1.00 U	--	0.324	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	5,130	9,590
MWD-7	9/13/2017	REG	0.0146	0.00116 J	< 0.0100 U	--	0.0381	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	5,900	10,400
MWD-7	3/14/2018	REG	0.0146	< 0.00400 U	< 0.0100 U	--	0.0393	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	6,080	11,000
MWD-7	9/25/2018	REG	0.0158	0.000919 J	< 0.0100 U	--	0.0405	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	6,740	10,600
MWD-7	4/3/2019	REG	0.015	0.00339 J	< 0.0100 U	--	0.0442	--	0.000410 J	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	3,970	9,440
MWD-7	10/3/2019	REG	0.0153	0.00169 J	< 0.0100 U	--	0.0429	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.38 U	< 1.38 U	< 1.38 U	6,470	9,590
MWD-7	3/19/2020	REG	0.0156	< 0.0200 U	< 0.0100 U	--	0.0409	--	0.000510 J	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.16 U	< 2.16 U	< 2.16 U	5590	10600
MWD-7	3/17/2021	REG	0.0153	0.000562 J	< 0.0100 U	--	0.0474	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.17 U	<2.17 U	< 2.17 U	3,870	10,900
MWD-7	2/24/2022	REG	0.0147	<0.00400 U	<0.0100 U	--	NA	--	<0.00200 U	<0.00200 UJ	<0.00200 UJ	<0.00400 U	<4.55 U	<4.55 U	<4.55 U	7,120	10,800
MWD-8	4/4/2017	REG	< 0.0500 U	< 0.0500 U	< 0.0100 U	< 1.00 U	--	< 0.100 U	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	177	540
MWD-8	9/13/2017	REG	0.0141	0.000796 J	< 0.0100 U	--	0.0503	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	220	884
MWD-8	3/15/2018	REG	0.0155	0.000951 J	< 0.0100 U	--	0.0498	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	136	663
MWD-8	9/25/2018	REG	0.0159	0.000875 J	< 0.0100 U	--	0.0527	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	103	658
MWD-8	4/4/2019	REG	0.0171	0.00173 J	< 0.0100 U	--	0.047	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	118 J	933
MWD-8	10/3/2019	REG	0.0181	0.00111 J	< 0.0100 U	--	0.0433	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.37 U	< 1.37 U	< 1.37 U	105	565
MWD-8	3/19/2020	REG	0.0185	0.000971 J	< 0.0100 U	--	0.0463	--	< 0.00200 U	0.000450 J	< 0.00200 U	< 0.00200 U	< 2.21 U	0.845 J	0.845 J	95.4	690
MWD-8	3/18/2021	REG	0.0230	0.00154 J	< 0.0100 U	--	0.0435	--	0.000750 J	0.00330	<0.00200 U	0.00389	< 2.25 UB	<2.25 U	< 2.25 UB	363	683
MWD-8	2/23/2022	REG	0.0234	0.00159 J	<0.0100 U	--	0.0345	--	<0.00200 U	0.000438 J	<0.00200 U	<0.00400 U	<4.49 U	<4.49 U	<4.49 U	116	646
MWD-9	4/4/2017	REG	< 0.0500 U	< 0.0500 U	--	< 1.00 U	--	0.629	0.0201	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	18,700	33,300
MWD-9	4/7/2017	REG	--	--	< 0.0100 U	--	--	--	--	--	--	--	--	--	--	--	--
MWD-9	9/14/2017	REG	0.0172	0.00738	< 0.0100 U	--	0.0675	--	0.0533	0.000670 J	0.00207	0.00218	< 1.50 U	< 1.50 U	< 1.50 U	19,300	32,800
MWD-9	2/28/2018	REG	--	--	--	--	--	--	--	--	--	--	--	--	--	18,000	21,200
MWD-9	3/19/2018	REG	0.0112	< 0.00400 U	< 0.0100 U	--	4.73	--	1.19	< 0.0100 U	0.00465 J	0.00690 J	5.62	3.94	9.56	635	2,160
MWD-9	8/8/2018	REG	--	--	--	--	--	--	--	--	--	--	--	--	--	14,700	26,500
MWD-9	8/31/2018	REG	--	--	--	--	--	--	--	--	--	--	--	--	--	15,700	27,800
MWD-9	9/28/2018	REG	0.0207	0.00694	< 0.0100 U	--	0.0705	--	0.0179	< 0.00200 U	< 0.00200 U	0.000930 J	< 1.50 U	< 1.50 U	< 1.50 U	16,400	28,100
MWD-9	4/4/2019	REG	0.0192	0.00931	0.00760 J	--	0.0717	--	0.0161	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	17,000	28,800
MWD-9	10/4/2019	REG	0.0184	0.00569	< 0.0100 U	--	0.0755	--	0.0119 J	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.33 U	< 1.33 U	< 1.33 U	15,000	26,800
RW-6	4/6/2017	REG	< 0.0500 U	< 0.0500 U	< 0.0100 U	0.203 J	--	0.111 J	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	396	2,040
RW-6	9/14/2017	REG	0.0652	0.000638 J	< 0.0100 U	--	1.5	--	3.09	0.0158	0.104	0.0899	2.91	4.86	7.77	337	1,600
RW-6	3/15/2018	REG	0.00233	< 0.00400 U	< 0.0100 U	--	0.498	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	675	2,540
RW-6	9/27/2018	REG	0.00266 J	< 0.00400 U	< 0.0100 U	--	0.713	--	0.000470 J	< 0.00200 U	< 0.00200 U	0.000740 J	< 1.50 U	< 1.50 U	< 1.50 U	790	2,150
RW-6	4/4/2019	REG	0.00211 J	0.00216 J	< 0.0100 U	--	0.927	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	0.00215	< 1.50 U	< 1.50 U	< 1.50 U	715	2,470
RW-6	10/4/2019	REG	0.00266 J	0.000681 J	< 0.0100 U	--	1.53	--	0.00986 J	< 0.00200 U	< 0.00200 U	< 0.00200 U	1.23 J	< 1.38 U	1.23 J	876	2,360
RW-6	3/19/2020	REG	0.00358 J	< 0.00400 U	< 0.0100 U	--	1.74	--	0.00270	0.000410 J	< 0.00200 U	0.00550	1.03 J	< 2.12 U	1.03 J	1040	2720
RW-6	3/19/2020	REG	0.0100	0.00136 J	< 0.0100 U	--	0.0870	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.04 U	< 2.04 U	< 2.04 U	4820	9060
RW-6	9/22/2020	REG	0.00287 J	< 0.00400 U	< 0.0100 U	--	1.71 J	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	0.00485	1.61 J	< 2.22 UJ	1.61 J	1070	2660
RW-6	3/17/2021	REG	0.00300 J	< 0.00400 U	< 0.0100 U	--	1.75	--	0.0424 J	0.00122 J	0.001000 J	0.0143 J	2.36	<2.31 U	2.36	929	2,570
RW-6	9/21/2021	REG	0.00358 J	< 0.00400 U	< 0.0100 U	--	1.58	--	< 0.0200 U	0.002 U	< 0.00400 U	< 0.00400 U	1.83 J	1.38 J	1.38 J	872	2,450
RW-6	2/24/2022	REG	0.00404	0.000732 J	<0.0100 U	--	NA	--	<0.00200 U	<0.00200 U	<0.00200 U	0.00236 J	1.10 J	1.32 J	2.42 J	986	2,860
RW-6	9/28/2022	REG	0.00325 J	<0.00400 U	<0.0100 U	--	1.47	--	0.0188	<0.00200 U	<0.00200 U	0.00314 J	<4.55 U	<4.55 U	<4.55 U	963	2,790
RW-7	4/6/2017	REG	< 0.0500 U	< 0.0500 U	< 0.0100 U	< 1.00 U	--	0.610 J	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	5,180 J	10,000 J
RW-7	4/6/2017	FD	< 0.0500 U	< 0.0500 U	0.00540 J	< 1.00 U	--	0.0547 J	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	2,730 J	5,750 J
RW-7	9/14/2017	REG	0.00754	0.000949 J	< 0.0100 U	--	0.0738	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	4,740	9,050

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GROUNDWATER ANALYTICAL RESULTS
EUNICE SOUTH GAS PLANT

		Parameter Name	Arsenic	Chromium	Chromium, Hexavalent	Iron	Barium	Manganese	Benzene	Toluene	Ethylbenzene	Xylene (total)	Petroleum Hydrocarbons (C6-C10)-GRO	Petroleum Hydrocarbons (C10-C28)-DRO	C6-C35 Petroleum Hydrocarbon Summary	Chloride	Total Dissolved Solids
		Report Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		NMWQCC Domestic	0.01	0.05	0.05	1.0	2.0	0.2	0.005	1	0.7	0.62	--	--	--	250	1000
Location ID	Date Sampled	Sample Purpose															
RW-7	3/15/2018	REG	0.00955	0.000882 J	< 0.0100 U	--	0.0712	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	4,780 J	7,340 J
RW-7	3/15/2018	FD	0.00874	0.00120 J	< 0.0100 U	--	0.0651	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	2,400 J	4,890 J
RW-7	9/27/2018	REG	0.0104	0.00125 J	< 0.0100 U	--	0.0692	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	5,250	9,190
RW-7	4/4/2019	REG	0.0106	0.00225 J	< 0.0100 U	--	0.0914	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	2,750	8,390 J
RW-7	4/4/2019	FD	0.00909	0.00212 J	< 0.0100 U	--	0.0723	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	2,080	4,740 J
RW-7	10/4/2019	REG	0.00847	0.00105 J	< 0.0100 U	--	0.083	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.40 U	< 1.40 U	< 1.40 U	4,400	5,270
RW-7	3/19/2021	REG	0.00892	0.000823 J	< 0.0100 U	--	0.104 D	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	1.82 B J	<2.22 U	1.82 B J	1,620	8,590
RW-7	2/24/2022	REG	0.00670	0.000917 J	<0.0100 U	--	NA	--	NA	NA	NA	NA	<4.48 U	<4.48 U	<4.48 U	3,210	8,230
RW-8	4/4/2017	REG	< 0.0500 U	< 0.0500 U	--	0.26 J	--	0.369	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	1,220	2,510
RW-8	4/7/2017	REG	--	--	< 0.0100 U	--	--	--	--	--	--	--	--	--	--	--	--
RW-8	3/15/2018	REG	0.0409	< 0.00400 U	< 0.0100 U	--	0.0938	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	1,260	3,530
RW-8	4/4/2019	REG	0.0139	0.00167 J	< 0.0100 U	--	0.0981	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	0.000990 J	< 1.50 U	< 1.50 U	< 1.50 U	756 J	2,690
RW-8	3/19/2020	REG	0.0284	< 0.00400 U	< 0.0100 U	--	0.219	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	0.00164 J	< 2.23 U	< 2.23 U	< 2.23 U	1190	2660
RW-8	3/18/2021	REG	0.0319	< 0.00400 U	< 0.0100 U	--	0.126	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	2.08 B J	<2.23 U	2.08 B J	977 X	2,460
RW-8	2/23/2022	REG	0.0252	<0.00400 U	<0.0100 U	--	0.180	--	<0.00200 U	0.000435 J	<0.00200 U	<0.00400 U	<4.45 U	<4.45 U	<4.45 U	1,240	3,340
TMW-1	4/7/2017	REG	< 0.0500 U	< 0.0500 U	0.0125	0.442 J	--	1.18	0.00559	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	757	1,970
TMW-1	4/7/2017	FD	< 0.0500 U	0.00707 J	0.0116	0.342 J	--	1.15	0.00529	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	712	1,720
TMW-1	9/13/2017	REG	0.0195	0.000722 J	< 0.0100 U	--	2.83	--	0.0316	< 0.00200 U	0.00142 J	0.00353	< 1.50 U	< 1.50 U	< 1.50 U	685	1,600
TMW-1	3/15/2018	REG	0.0212	< 0.00400 U	< 0.0100 U	--	2.61	--	0.00186 J	< 0.00200 U	< 0.00200 U	0.00131 J	< 1.50 U	< 1.50 U	< 1.50 U	608	1,450
TMW-1	9/27/2018	REG	0.0183	< 0.00400 U	0.0107	--	2.19	--	0.108	< 0.00200 U	0.00356	0.0208	< 1.50 U	< 1.50 U	< 1.50 U	600	1,320
TMW-1	4/5/2019	REG	0.0167	< 0.00400 U	< 0.0100 U	--	2.03	--	0.032	< 0.00200 U	0.00524	0.0123	< 1.50 U	< 1.50 U	< 1.50 U	450	1,320
TMW-1	4/5/2019	FD	0.0169	< 0.00400 U	< 0.0100 U	--	2.08	--	0.0308	< 0.00200 U	0.00475	0.0119	< 1.50 U	< 1.50 U	< 1.50 U	503	1,310
TMW-1	10/4/2019	REG	0.0184	< 0.00400 U	< 0.0100 U	--	1.14	--	0.00589 J	< 0.00200 U	< 0.00200 U	0.00557 J	< 1.41 U	< 1.41 U	< 1.41 U	537	1,430
TMW-1	3/19/2020	FD	0.0187	< 0.00400 U	< 0.0100 U	--	1.12	--	0.0186	< 0.00200 U	0.00501	0.00916	< 2.22 U	< 2.22 U	< 2.22 U	531	1480
TMW-1	3/19/2020	REG	0.0178	< 0.00400 U	< 0.0100 U	--	1.14	--	0.0188	< 0.00200 U	0.00525	0.00985	< 2.18 U	< 2.18 U	< 2.18 U	518	1430
TMW-1	3/17/2021	REG	0.0228	< 0.00400 U	< 0.0100 U	--	1.22	--	0.00291	0.000970 J	0.0117	0.00861	< 2.24 U	<2.24 U	< 2.24 U	533	1,370
TMW-1	3/17/2021	FD	0.0234	< 0.00400 U	< 0.0100 U	--	1.24	--	0.00292	0.000910 J	0.0104	0.00756	< 2.26 U	<2.26 U	< 2.26 U	536	1,780
TMW-3	4/6/2017	REG	< 0.0500 U	< 0.0500 U	0.00630 J	0.470 J	--	0.491 J	0.00689	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	325	1,130
TMW-6	4/6/2017	REG	0.0460 J	0.00768 J	0.00780 J	0.280 J	--	0.0301 J	0.446	< 0.00750 U	< 0.0100 U	< 0.0100 U	1.53	3.18	4.71	318	1,260
TMW-6	9/14/2017	REG	0.00275	< 0.00400 U	< 0.0100 U	--	0.515	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	519	2,640
TMW-6	3/19/2018	REG	0.0453	< 0.00400 U	< 0.0100 U	--	1.02	--	0.111	0.00235	0.00112 J	< 0.00200 U	3.58	2.71	6.29	332	1,490
TMW-6	4/5/2018	REG	0.0606	< 0.00400 U	< 0.0100 U	5.18	--	0.0466	0.23	0.00427	0.00221	< 0.00200 U	2.9	3.52	6.42	336	1,670
TMW-6	9/28/2018	REG	0.0779	< 0.00400 U	< 0.0100 U	--	1.23	--	0.22	0.00642	0.011	0.00707	3.86	2.86	6.72	356	1,490
TMW-6	9/28/2018	FD	0.0748	< 0.00400 U	< 0.0100 U	--	1.36	--	0.208	0.00468	0.00915	0.00688	3.64	2.2	5.84	351	1,450
TMW-6	4/5/2019	REG	0.0647	< 0.00400 U	< 0.0100 U	--	1.98	--	0.104	< 0.0200 U	0.0425	< 0.0200 U	3.72	2.5	6.22	236	1,430
TMW-6	10/4/2019	REG	0.0671	< 0.00400 U	< 0.0100 U	--	1.1	--	0.0381	< 0.00200 U	0.00828 J	0.0056	2.71	2.05	4.76	312	1,450
TMW-6	3/20/2020	REG	0.0711	0.000609 J	< 0.0100 U	--	1.09	--	0.0221	< 0.00200 U	0.000960 J	0.00129 J	1.48 J	1.93 J	3.41	305	1400
TMW-6	3/19/2021	REG	0.0741	0.000700 J	< 0.0100 U	--	0.744	--	0.0367	0.000420 J	0.00446	0.00550	3.86 UB	1.23 J	5.09 B J	163	1,340
TMW-6	2/25/2022	REG	0.0713	<0.00400 U	<0.0100 U	--	0.868	--	0.00435 J	<0.00200 U	<0.00200 U	<0.00400 U	<4.49 U	<4.49 U	<4.49 U	112	1,090
WW-2	4/5/2017	REG	< 0.0500 U	< 0.0500 U	--	< 1.00 U	--	0.0806 J	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	352 J	546
WW-2	4/7/2017	REG	--	--	< 0.0100 U	--	--	--	--	--	--	--	--	--	--	--	--
WW-2	3/16/2018	REG	0.00100 J	< 0.00400 U	< 0.0100 U	--	1.5	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	351	616
WW-2	4/4/2019	REG	0.000970 J	0.000822 J	< 0.0100 U	--	0.418	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	125 J	477
WW-2	3/19/2020	REG	0.000628 J	< 0.00400 U	< 0.0100 U	--	1.86	--	0.000970 J	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.15 U	< 2.15 U	< 2.15 U	2450	3640
WW-2	3/16/2021	REG	0.000734 J	< 0.00400 U	< 0.0100 U	--	2.05 D	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	2.04 B J	<2.24 U	2.04 B J	2,460	3,340
WW-2	2/24/2022	REG	0.0015 J	<0.00400 U	<0.0100 U	--	NA	--	0.0429	<0.00200 U	<0.00200 U	<0.00400 U	<4.53 U	<4.53 U	<4.53 U	672	1,160
WW-3	4/7/2017	REG	< 0.0500 U	< 0.0500 U	0.0105	0.240 J	--	0.211	0.0403	< 0.00150 U	0.00501	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	207	468
WW-7	4/4/2017	REG	< 0.0500 U	< 0.0500 U	--	< 1.00 U	--	0.389	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	270 J	458
WW-7	4/7/2017	REG	--	--	< 0.0100 U	--	--	--	--	--	--	--	--	--	--	--	--
WW-7	3/16/2018	REG	0.000628 J	< 0.00400 U	< 0.0100 U	--	0.368	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	251	500
WW-7	4/4/2019	REG	0.000970 J	0.00127 J	< 0.0100 U	--	1.51	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	< 1.50 U	332 J	640
WW-7	3/18/2020	REG	0.000661 J	< 0.00400 U	< 0.0100 U	--	0.448	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 2.17 U	< 2.17 U	< 2.17 U	238	459
WW-7	3/16/2021	REG	0.000637 J	< 0.00400 U	< 0.0100 U	--	0.489	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	2.10 B J	<2.23 U	2.10 B J	257	410
WW-7	2/24/2022	REG	0.000775 J	<0.00400 U	<0.0100 U	--	NA	--	0.00944 J	<0.00200 U	0.00596 J	0.0457 J	<4.49 U	0.889 J	0.889 J	248	416

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GROUNDWATER ANALYTICAL RESULTS
EUNICE SOUTH GAS PLANT

Notes:

NMWQCC Standard exceedance

< = less than

-- = not applicable/not analyzed

bold = detected result

DRO = diesel-range organics

FD = field duplicate

GRO = gasoline-range organics

ID = identification

mg/L = milligrams per liter

NMWQCC = New Mexico Water Quality Control Commission

REG = parent sample

Qualifiers:

D = sample was diluted

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

U = Analyte was not detected

APPENDIX G

2022 Mann-Kendall Analysis

Table G-1. Mann-Kendall Trend Analysis Summary
Appendix G. 2022 Mann-Kendall Analysis
2022 Annual Groundwater Monitoring Report
Former Eunice South Gas Plant
Eunice, Lea County, New Mexico

ARCADIS Design & Consultancy for natural and built assets

Constituent	Monitoring Well	NMWQCC Standard (mg/L)	Start Date	End Date	Summary Statistics						Mann-Kendall			
					n	% ND	Minimum Concentration (mg/L)	Maximum Concentration (mg/L)	Most Recent Concentration (mg/L)	CV[1]	S-Statistic	p-value	Trend Determination	Significance[2]
Benzene	**Northern Plume Fringe (onsite)**													
	TMW-1	0.005	4/1/2016	2/23/2022	11	9	< 0.000408	0.108	0.00177	1.7	3	0.44	Variable	NS
	Central Plume (onsite)													
	MW-26	0.005	4/1/2016	9/29/2022	14	0	0.371	1.79	0.552	0.4	-51	< 0.01	Decreasing	Significant
	Eastern Plume (onsite)													
	MWD-14	0.005	4/1/2016	9/29/2022	14	0	0.211 D	2.6	0.963	0.6	-25	0.09	Decreasing	Significant
	MWD-17	0.005	3/31/2016	2/24/2022	8	0	0.012	0.957	0.0238	0.9	-22	0.0028	Decreasing	Significant
	Southern Plume Fringe (onsite)													
	MW-32 (since 2017)	0.005	9/13/2017	9/27/2022	11	0	0.34	14.7	0.002 U	1.1	-45	< 0.01	Decreasing	Significant
	MW-29 (since 2017)	0.005	9/12/2017	9/27/2022	11	0	0.0488 J	1.6	0.0488 J	1.6	-41	< 0.01	Decreasing	Significant
Chloride	**Western Plume Fringe (offsite)**													
	MW-35	250	4/12/2017	9/27/2022	12	0	133	1,810	138	1.1	-61	< 0.01	Decreasing	Significant
	Western Plume (onsite)													
	TMW-1	250	4/1/2016	2/23/2022	11	0	450	761	477	0.2	-43	< 0.01	Decreasing	Significant
	MW-26	250	4/1/2016	9/29/2022	14	0	139	285	160	0.2	-20	0.15	Stable	NS
	Central Plume (onsite)													
	MWD-14	250	4/1/2016	9/29/2022	14	0	426	8,000	514	1.2	-61	< 0.01	Decreasing	Significant
	MW-32	250	3/31/2016	9/27/2022	14	0	435	1,120	828	0.3	-29	0.062	Decreasing	Signficant
	MW-29	250	3/31/2016	9/27/2022	14	0	101	356	313	0.4	75	< 0.01	Increasing	Significant
	Eastern Plume Fringe (offsite)													
	MWD-7	250	3/31/2016	2/24/2022	11	0	3,870	7,210	7,120	0.2	1	0.50	Stable	NS
	MW-15	250	3/30/2016	9/27/2022	14	0	968	2,320	1,260	0.2	-38	0.02	Decreasing	Significant
	MW-15 (since 2018)	250	9/25/2018	9/27/2022	9	0	968	2,320	1,260	0.3	-26	< 0.01	Decreasing	Significant
	Southern Plume Fringe (offsite)													
	MW-38	250	3/14/2018	9/27/2022	10	0	52.7	1,000	1,000.0	0.4	17	0.08	Increasing	Significant
	MW-36	250	4/12/2017	2/23/2022	9	0	391	453	409	0.1	20	0.02	Increasing	Significant
	MW-37	250	3/14/2018	2/23/2022	7	0	314	357	336	0.05	7	0.19	Stable	NS

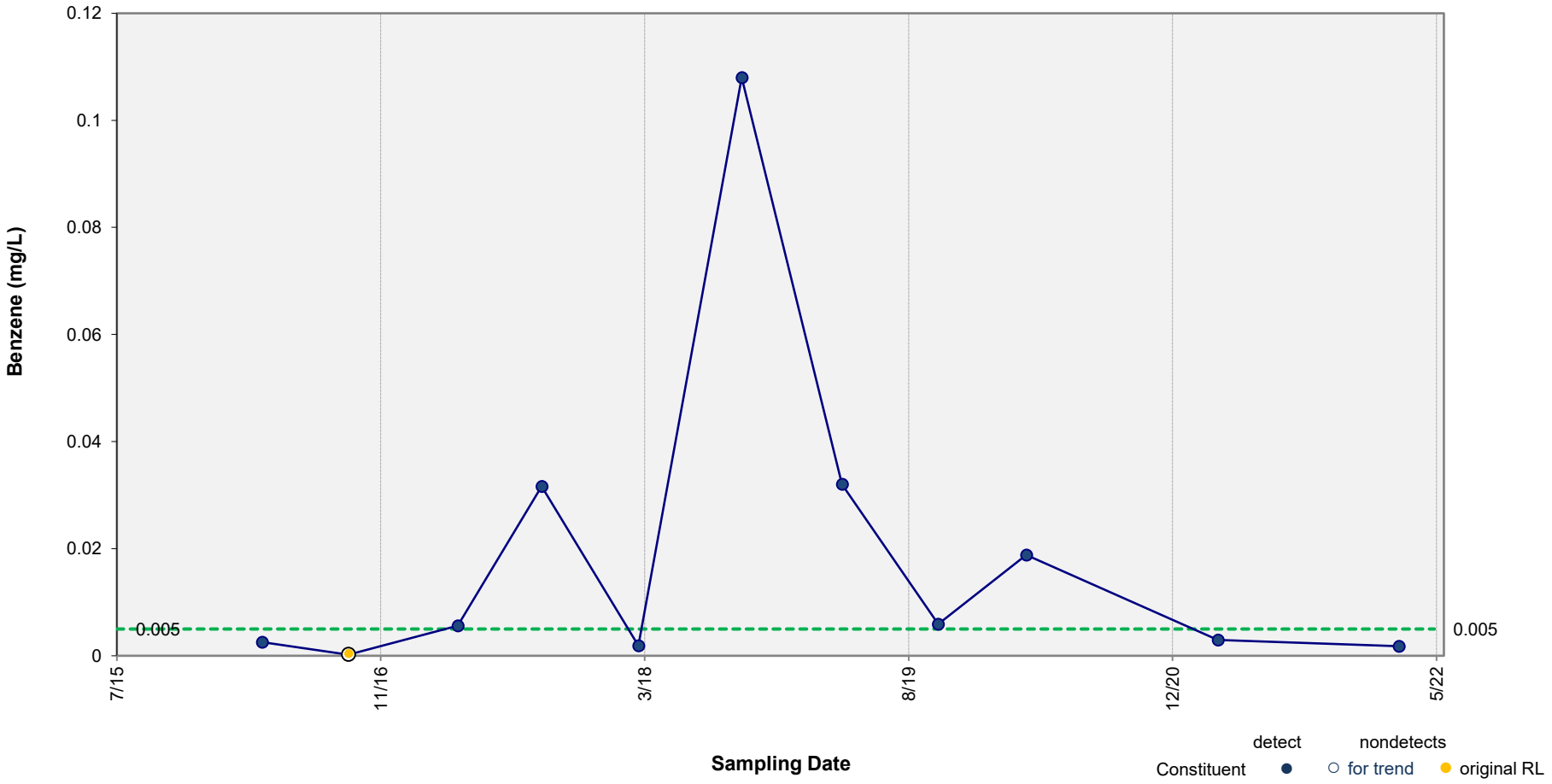
Notes:

[1] Non-detect values taken at the reporting limit for CV calculation

[2] p-value <0.1 indicates a statistically significant trend (90% confidence level).

Acronyms:

< - less than
% - percent
CV - coefficient of variation
mg/L - milligrams per liter
ND - nondetect
NMWQCC - New Mexico Water Quality Control Commission
NS - not significant
X - QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical



Results of Mann-Kendall Test for Trend:

No Significant Trend

p value = 0.438 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

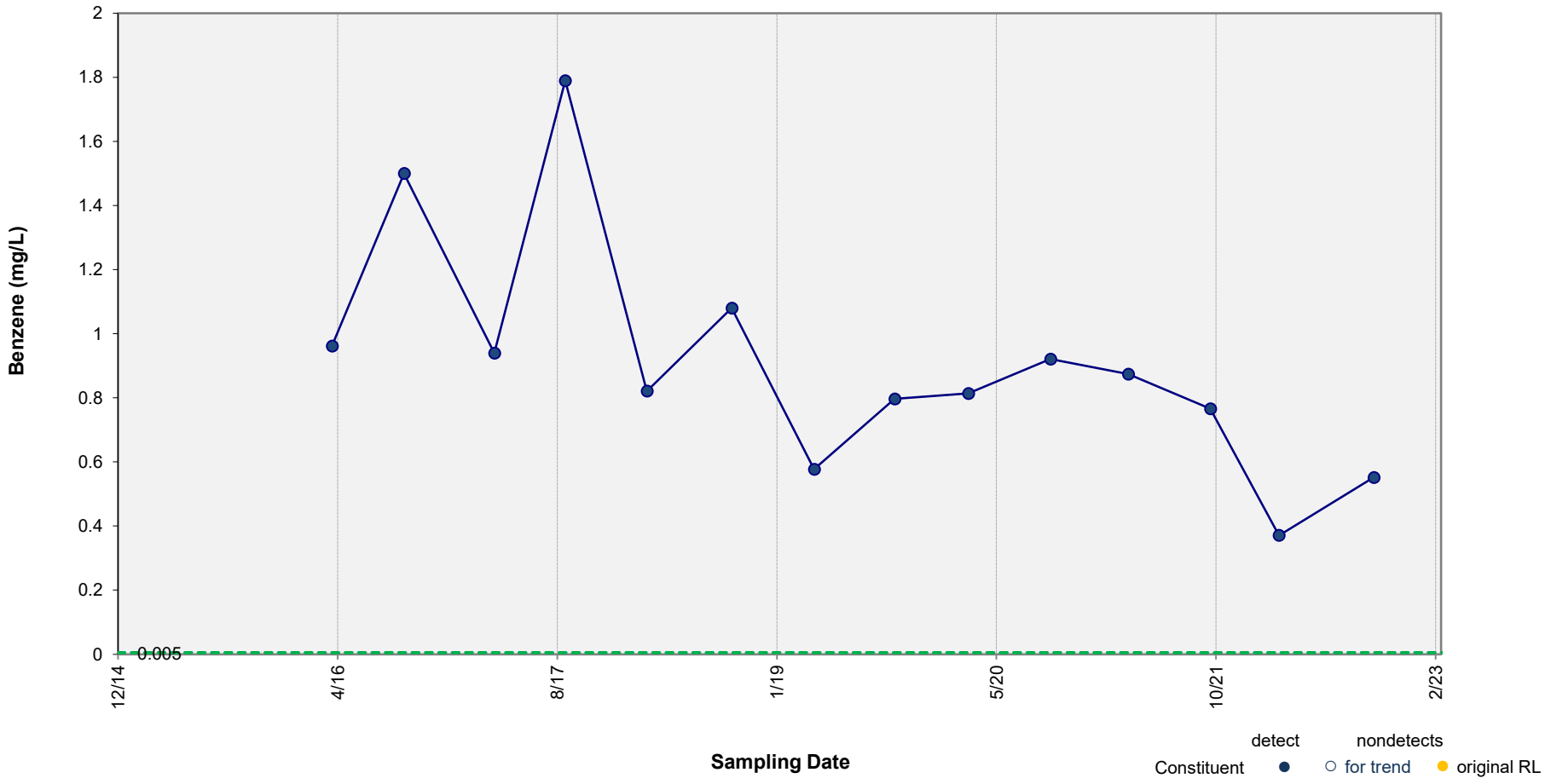
ARCADIS

Concentration vs. Time Plot - Benzene in TMW-1

Eunice South

Figure G-1

MK Trends_TMW-1_Benzene_HS



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

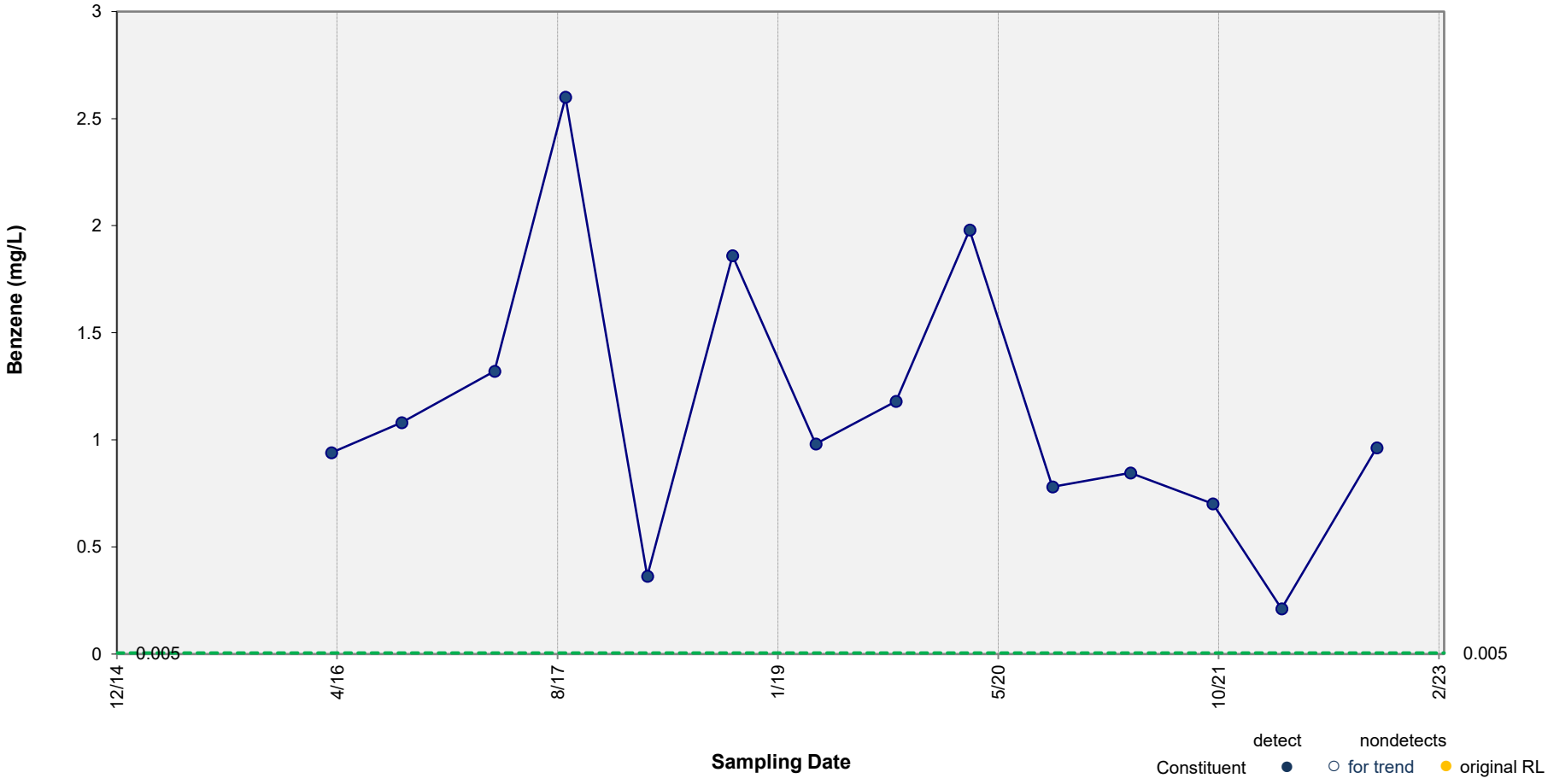
p value = 0.003 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

ARCADIS

Concentration vs. Time Plot - Benzene in MW-26

Eunice South

Figure G-2



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

p value = 0.094 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

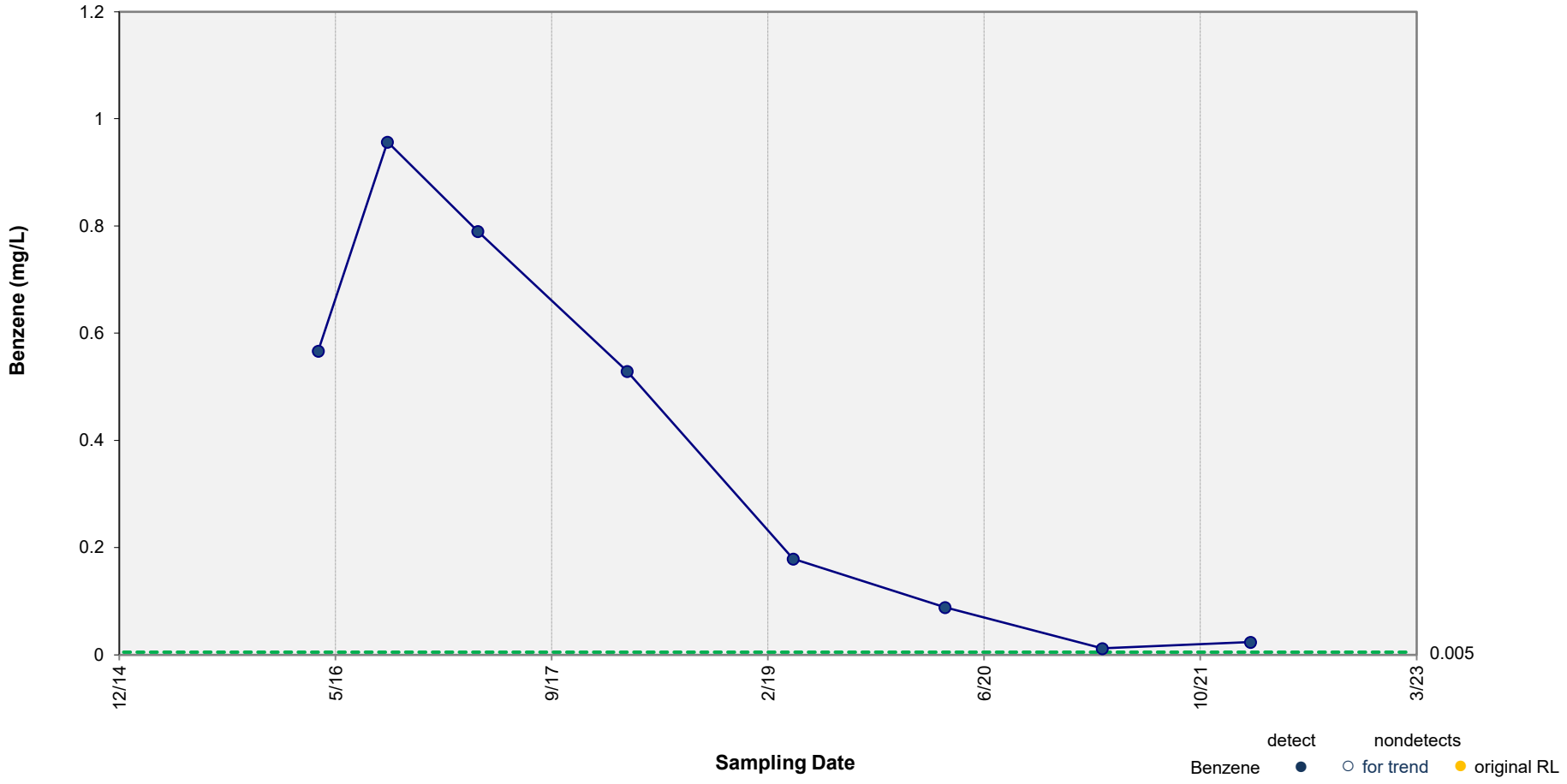
ARCADIS

Concentration vs. Time Plot - Benzene in MWD-14

Eunice South

Figure G-3

MK Trends_MWD-14_Benzene_HS



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

p value = 0.003 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

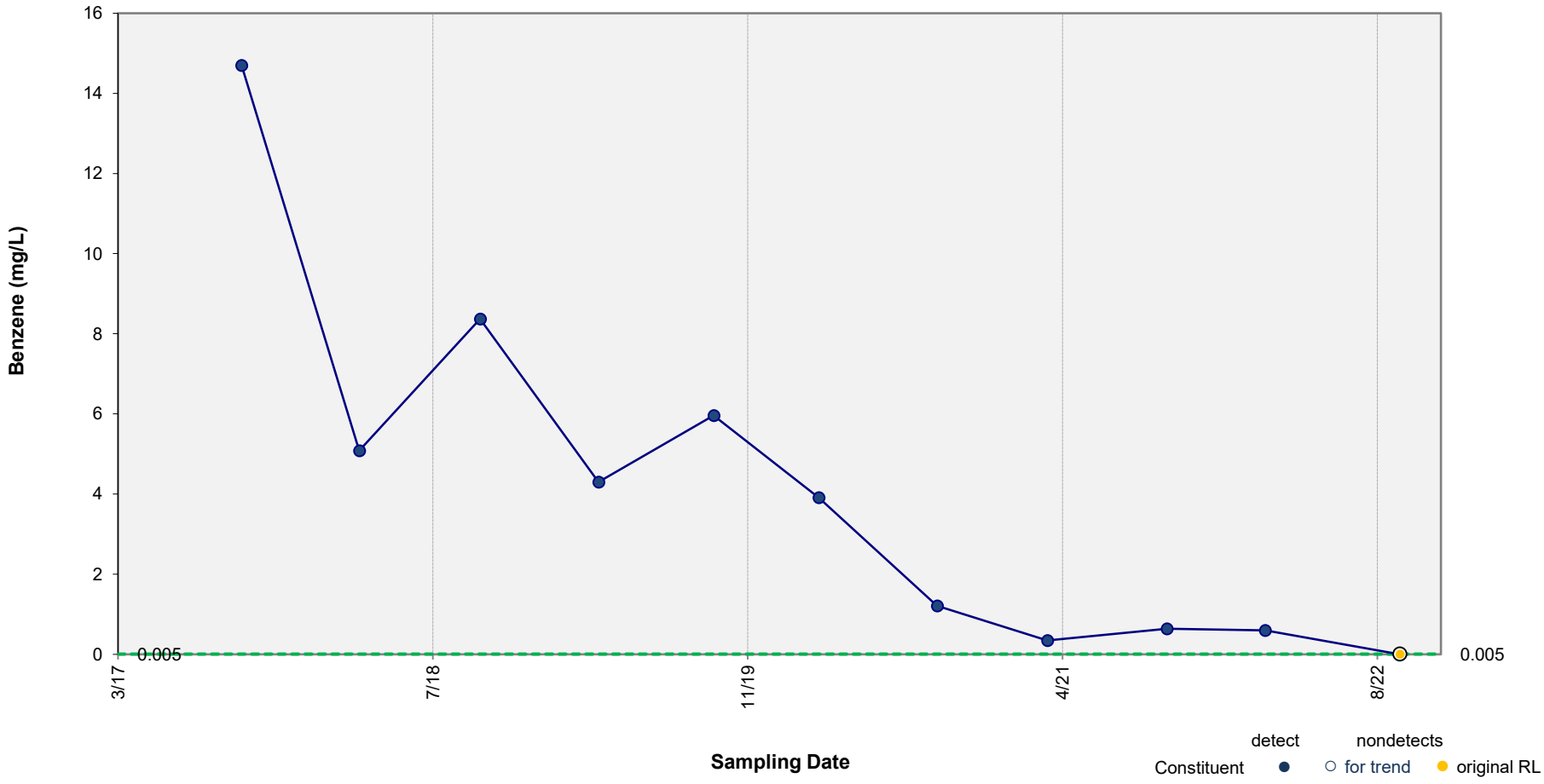
ARCADIS

Concentration vs. Time Plot – Benzene in Well MWD-17

Eunice South

Figure G-4

MK Trends_MWD-17_Benzene_HS



Results of Mann-Kendall Test for Trend:

DECREASING TREND

p value = <0.001

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

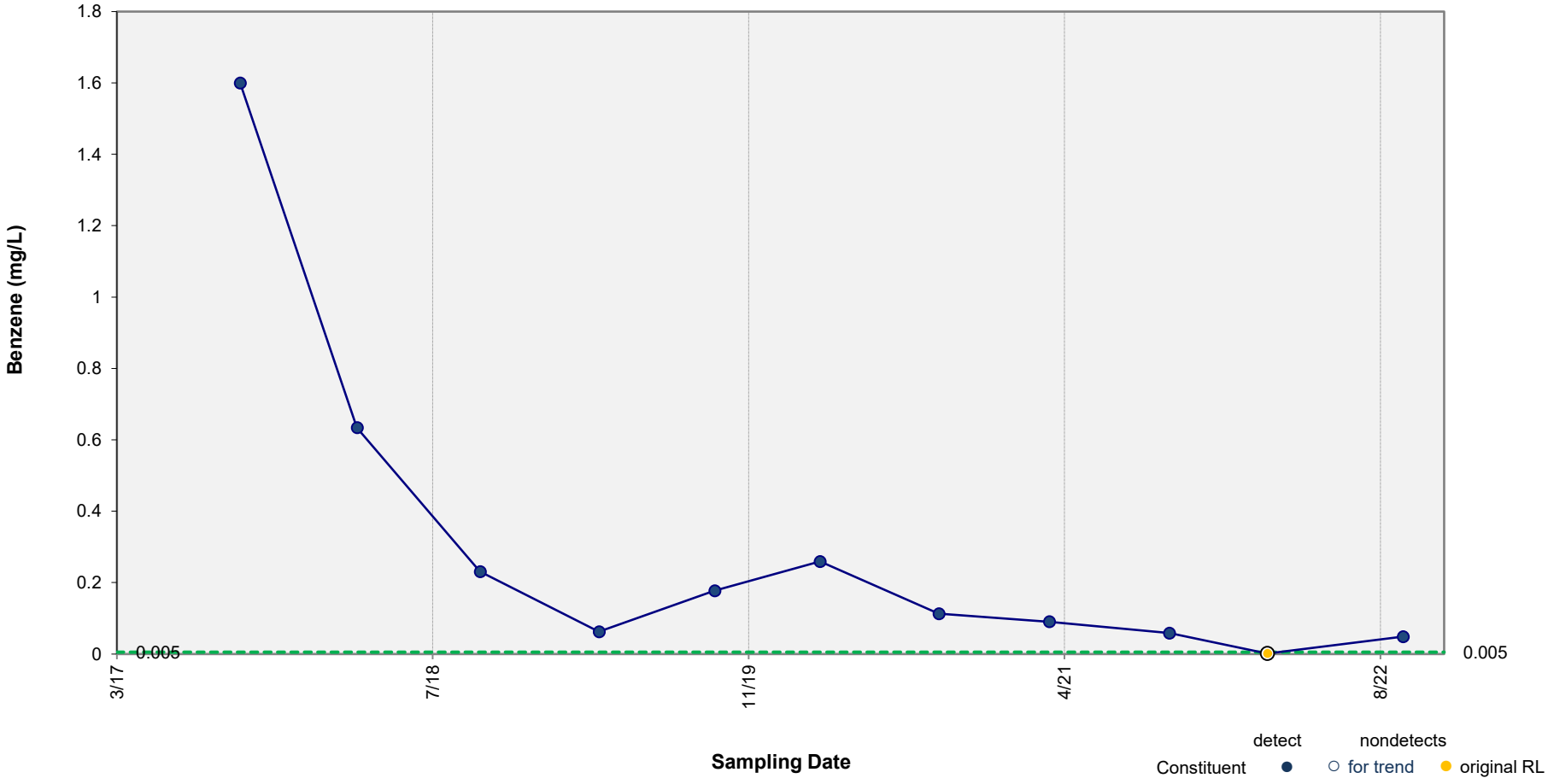
ARCADIS

Concentration vs. Time - Benzene in MW-32 (since 2017)

Eunice South

Figure G-5

MK Trends_MW-32_Benzene_HS_2017



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

p value = <0.001 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

ARCADIS

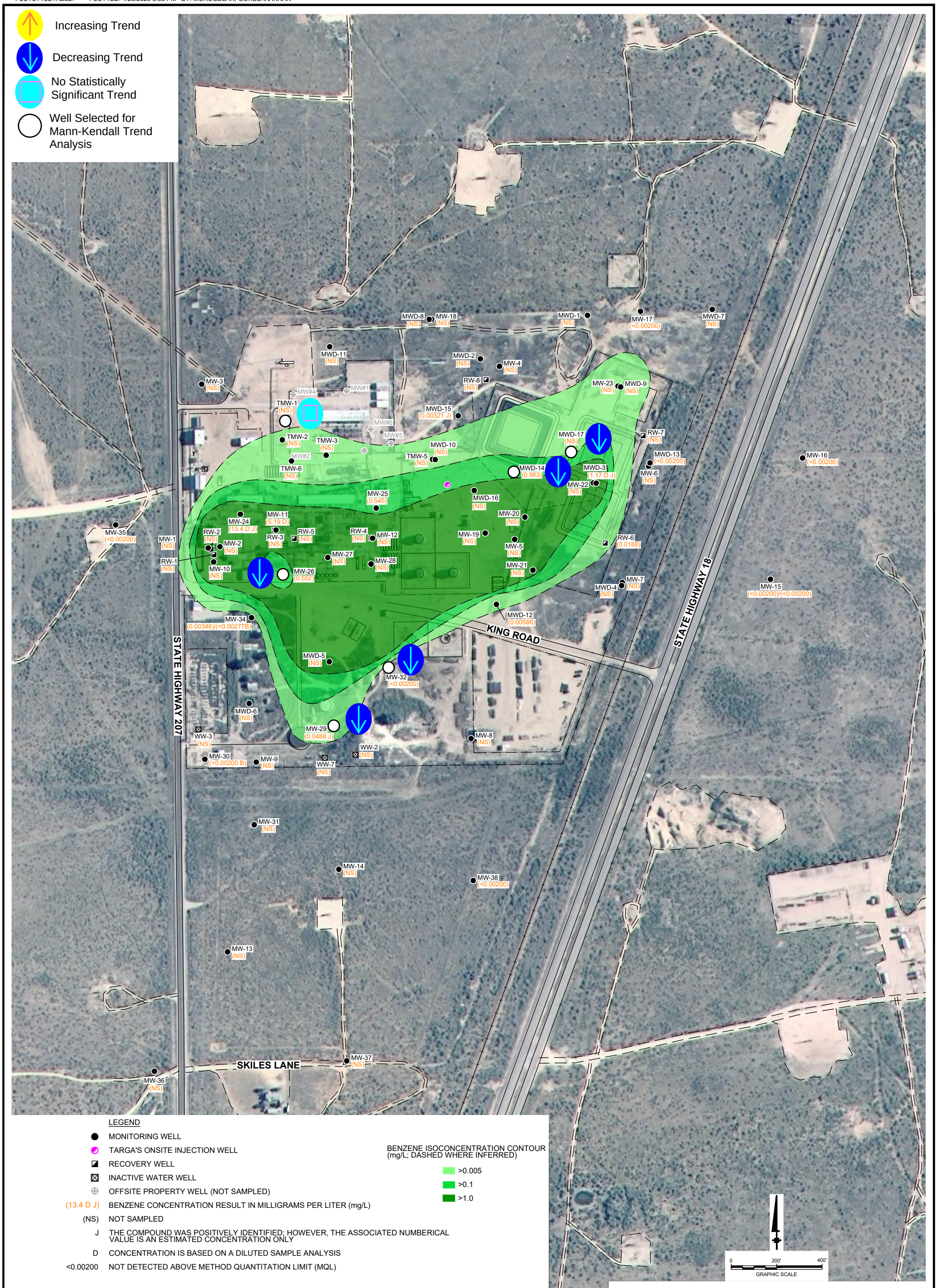
Concentration vs. Time Plot - Benzene in MW-29 (since 2017)

Eunice South

Figure G-6

MK Trends_MW-29_Benzene_HS_2017

C:\Users\murugesg5893\ACCDocs\Arcadis\AUS-CHEVRON-FORMER EUNICE SOUTH GAS PLANT-EUNICE New Mexico\Project Files\2023\01-In Progress\01-DWG\GWM-2022-F06-BENEZENE FALL.dwg LAYOUT: 6 SAVED: 1/20/2023 1:23 PM ACADVER: 24.2S (LMS TECH) PAGESETUP: ----
PLOTSTYLETABLE: ---- PLOTTED: 1/25/2023 3:53 PM BY: MURUGESAN, GOKULAKANNAN



NOTES:

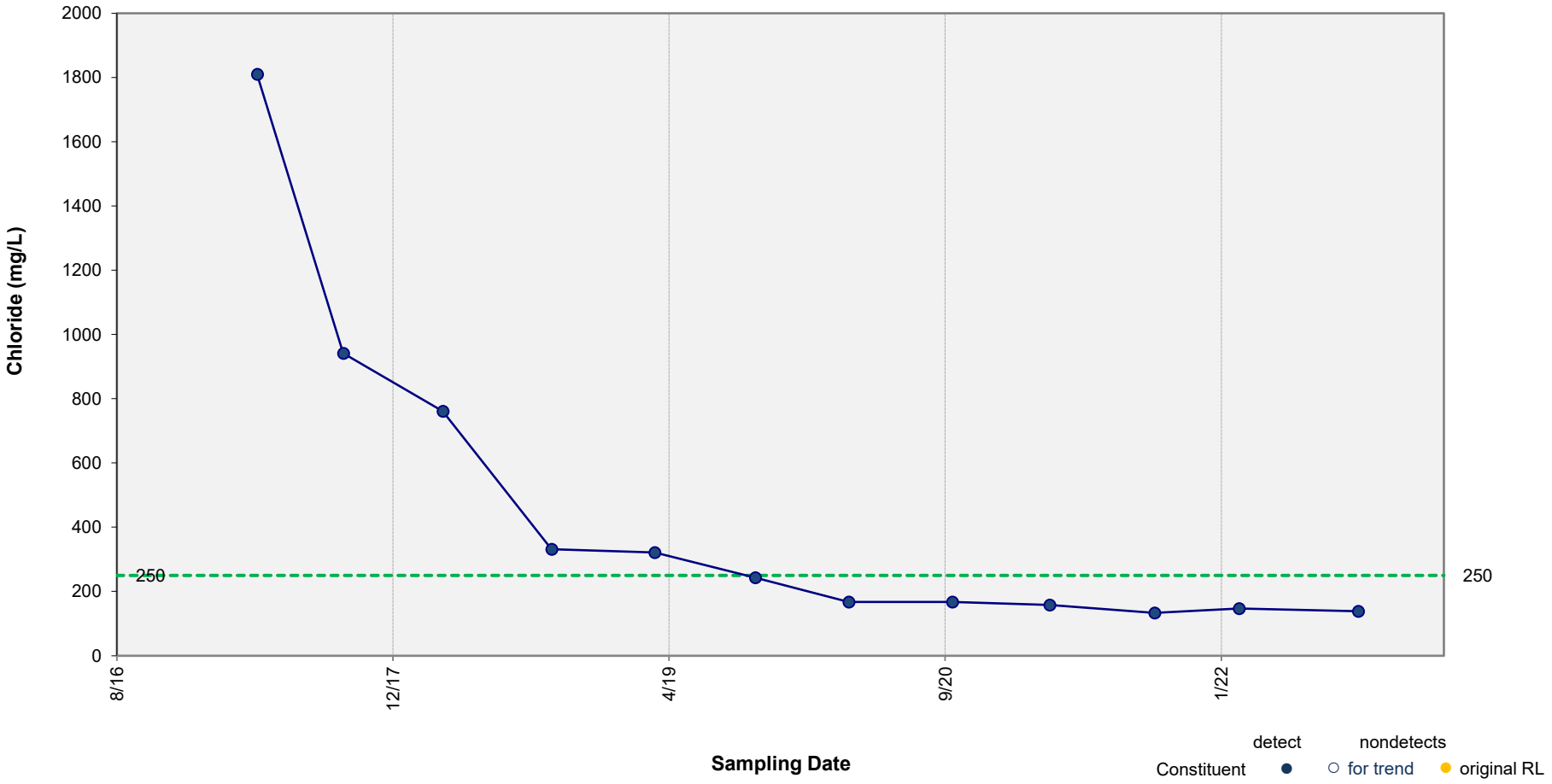
1. MAP PROJECTED TO NAD83 NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, FEET.
2. AERIAL IMAGERY PROVIDED BY USGS EARTH EXPLORER, ACCESSED APRIL 2016.
3. WELLS SURVEYED 1998, 2000, 2001, 2002, AND 2006 BY PIPER SURVEYING COMPANY. NAD27 NM S.P. EAST, FEET.
4. SITE FEATURES PROVIDED BY CRA
5. WELLS SAMPLED SEPTEMBER 27-29, 2022.
6. ONLY DATA POSTED IN FALL 2022 WERE POSTED. CONTOURS ARE BASED ON HISTORICAL DATA DATING BACK TO 2018 WHERE CURRENT DATA ARE NOT AVAILABLE.

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER EUNICE SOUTH GAS PLANT
EUNICE, LEA COUNTY, NEW MEXICO

BENZENE 2022 MANN-KENDALL TREND SUMMARY

ARCADIS

FIGURE
G-7



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

p value = <0.001 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

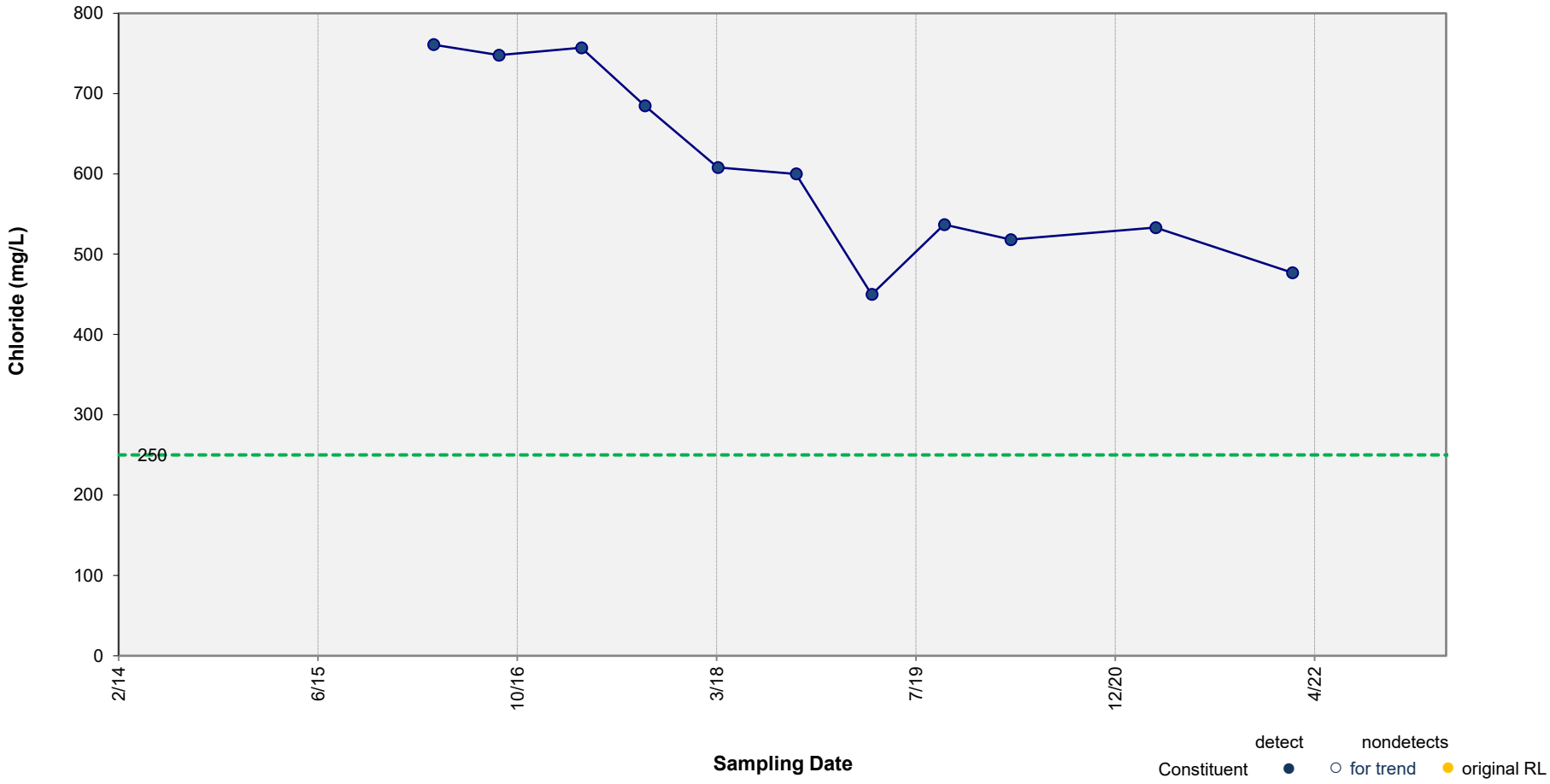
ARCADIS

Concentration vs. Time Plot - Chloride in MW-35

Eunice South

Figure G-8

MK Trends_MW-35_Chloride_HS



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

p value = <0.001 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

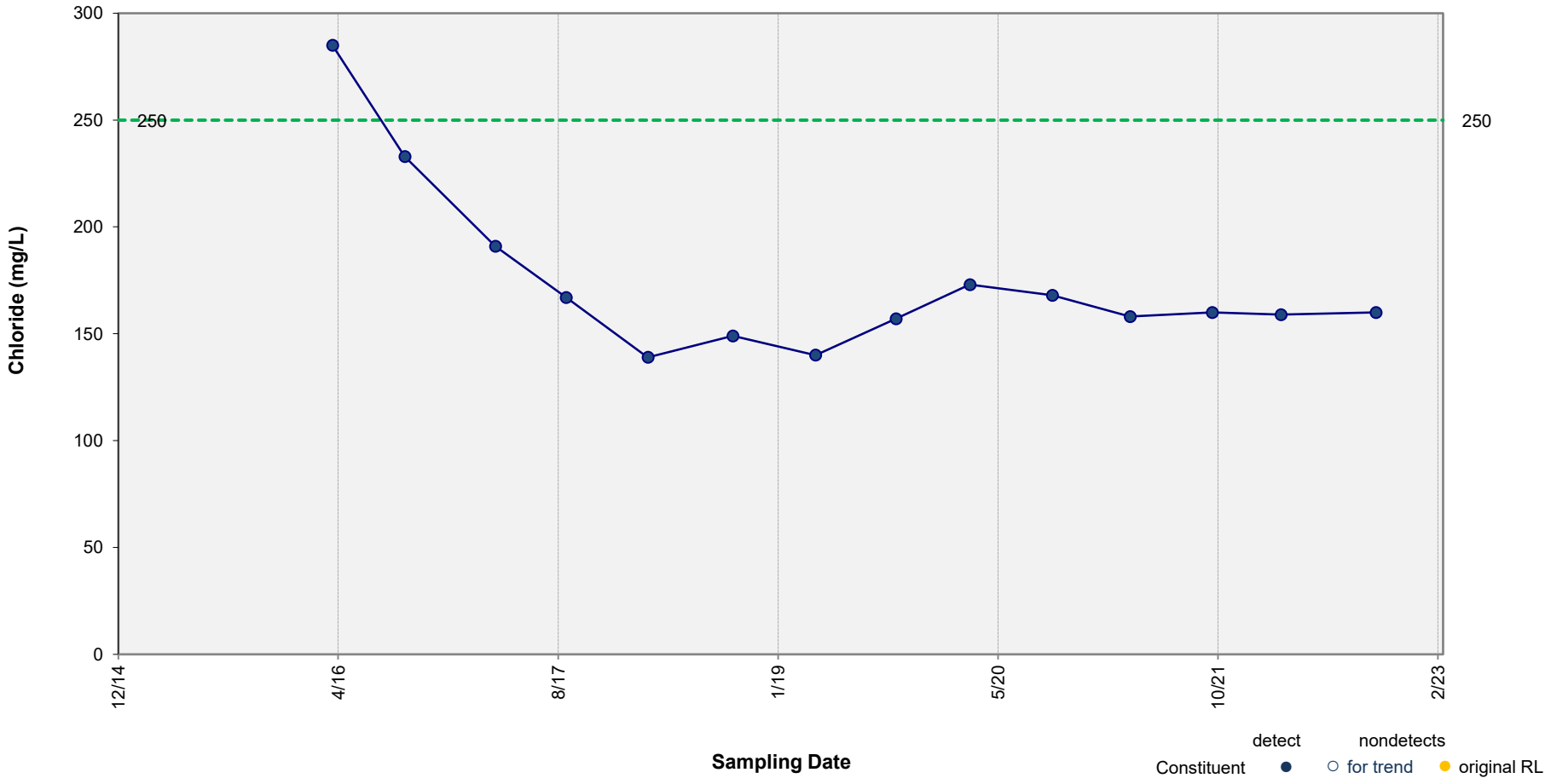
ARCADIS

Concentration vs. Time Plot - Chloride in TMW-1

Eunice South

Figure G-9

MK Trends_TMW-1_Chloride_HS



Results of Mann-Kendall Test for Trend: **Stable**

p value = 0.149 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

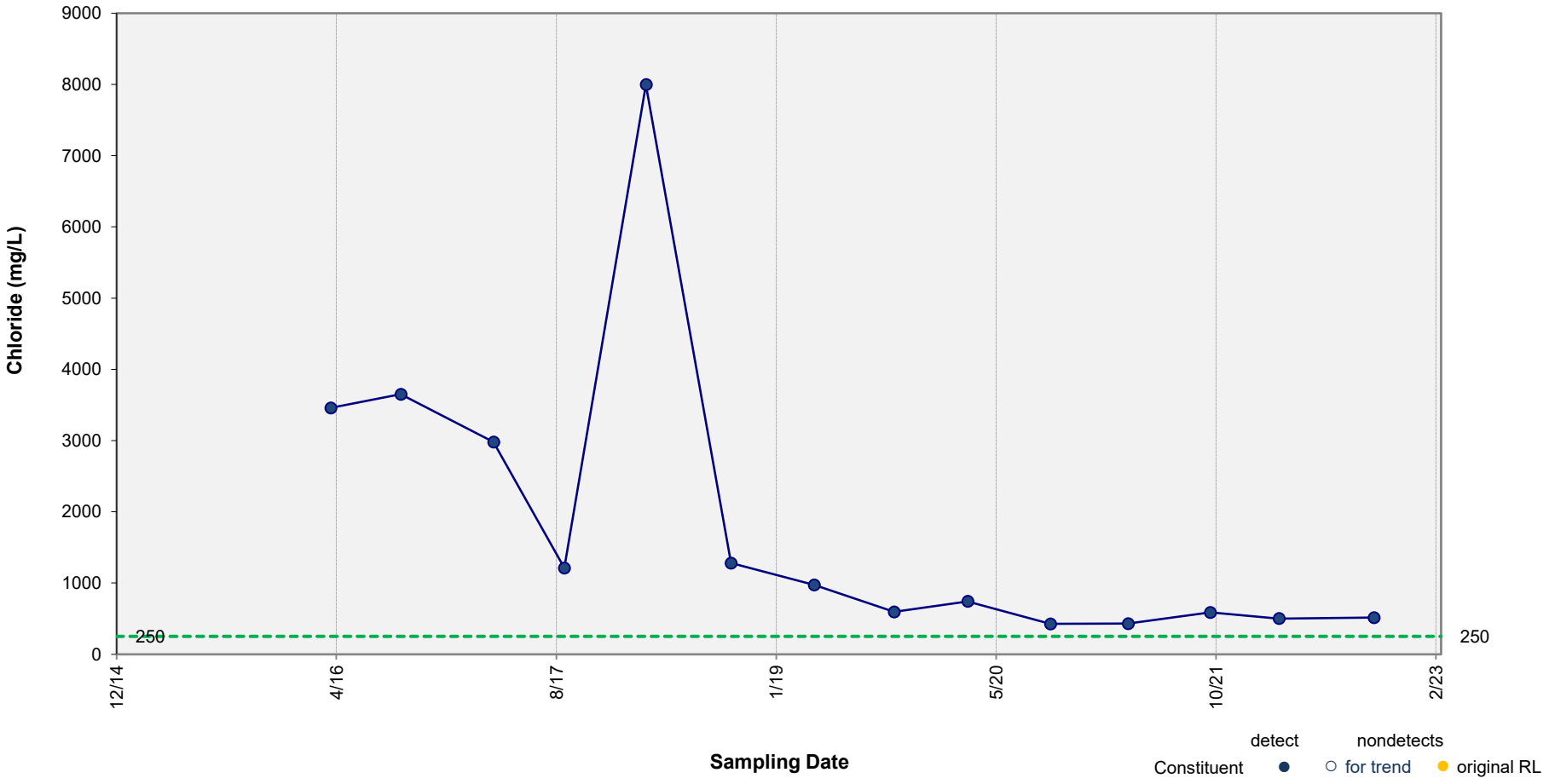
ARCADIS

Concentration vs. Time Plot - Chloride in MW-26

Eunice South

Figure G-10

MK Trends_MW-26_Chloride_HS



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

p value = <0.001 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

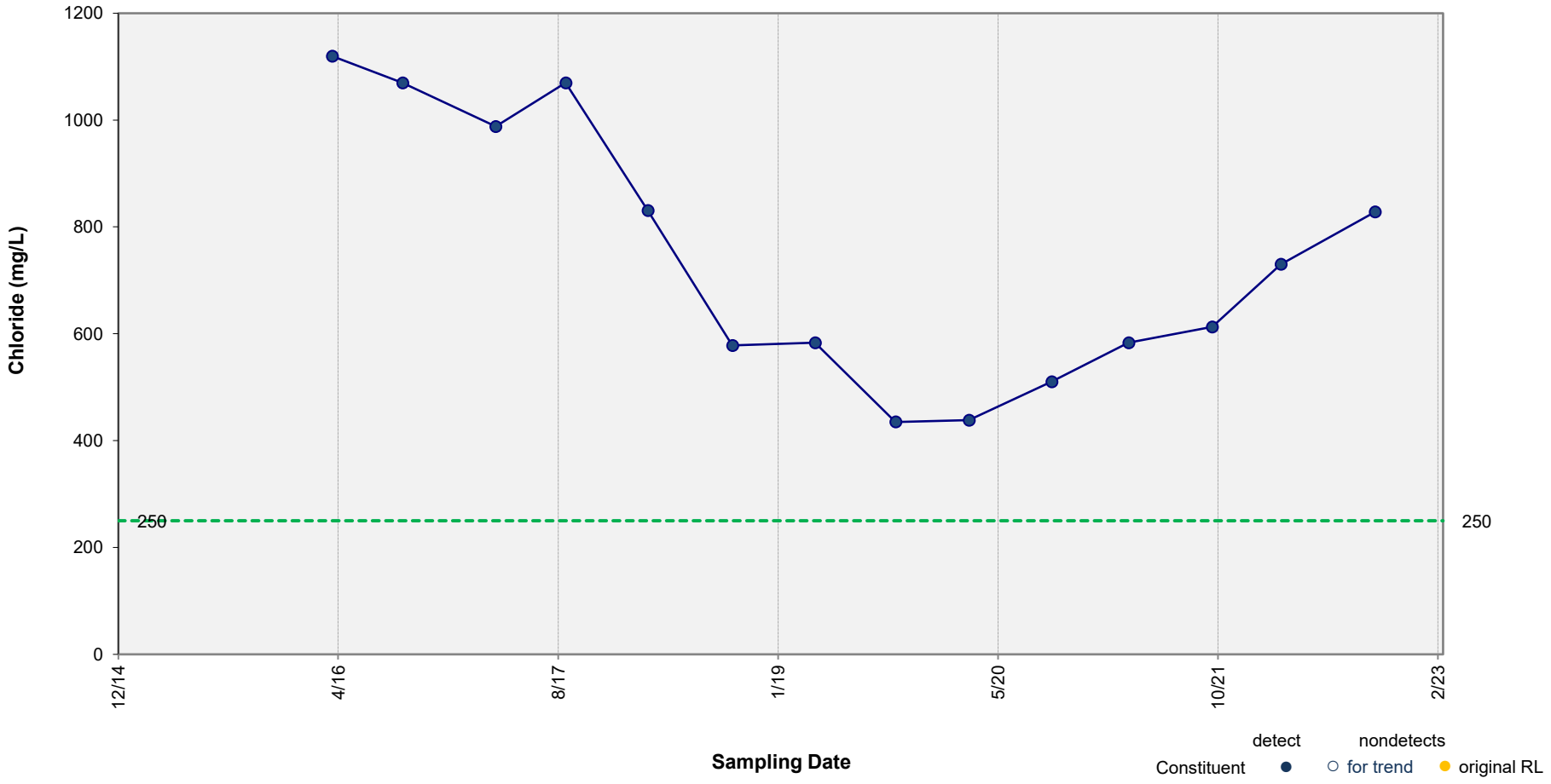
ARCADIS

Concentration vs. Time Plot - Chloride in MWD-14

Eunice South

Figure G-11

MK Trends_MWD-14_Chloride_HS



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

p value = 0.062 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

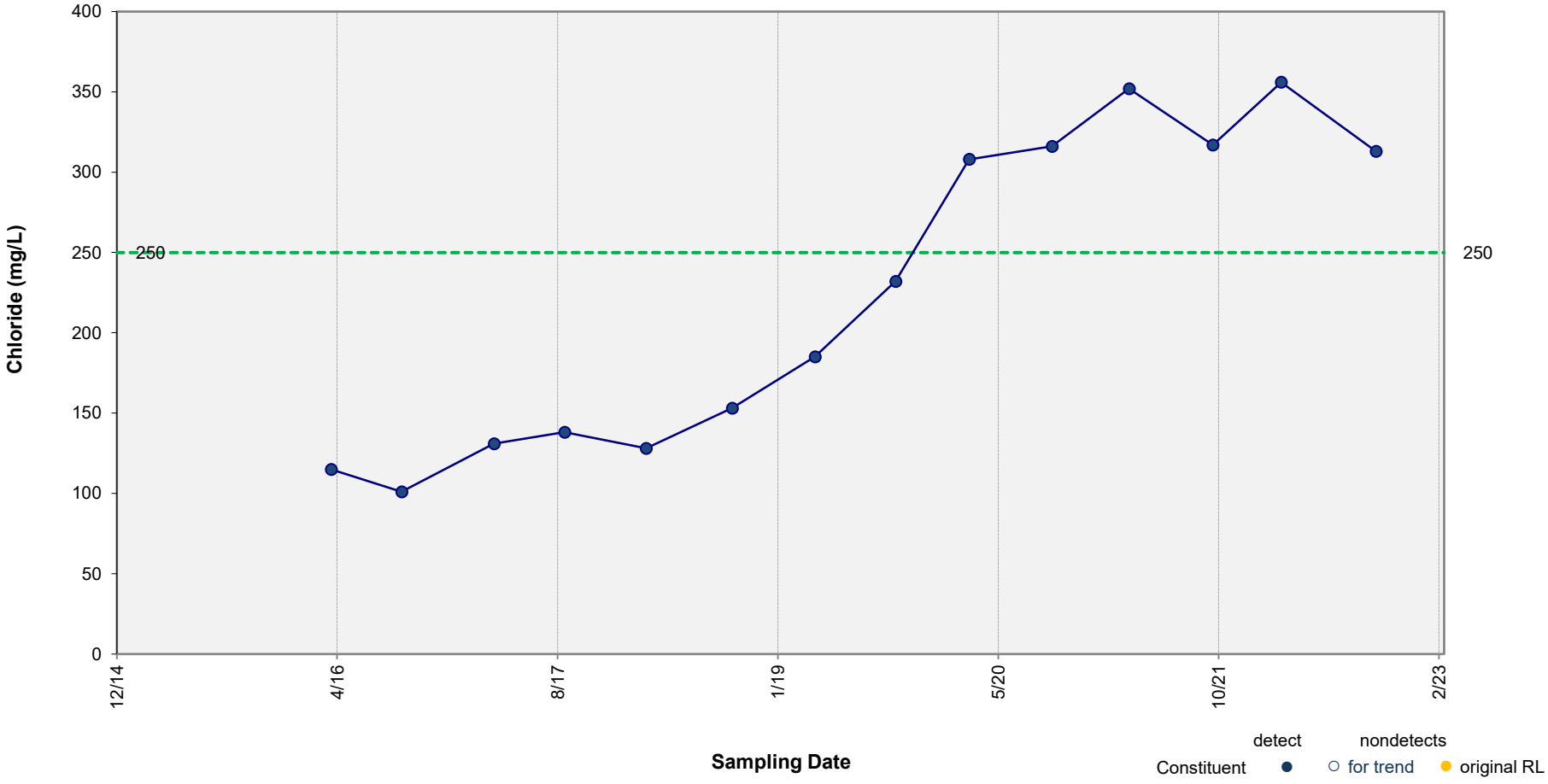
ARCADIS

Concentration vs. Time Plot - Chloride in MW-32

Eunice South

Figure G-12

MK Trends_MW-32_Chloride_HS



Results of Mann-Kendall Test for Trend: **INCREASING TREND**

p value = <0.001 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

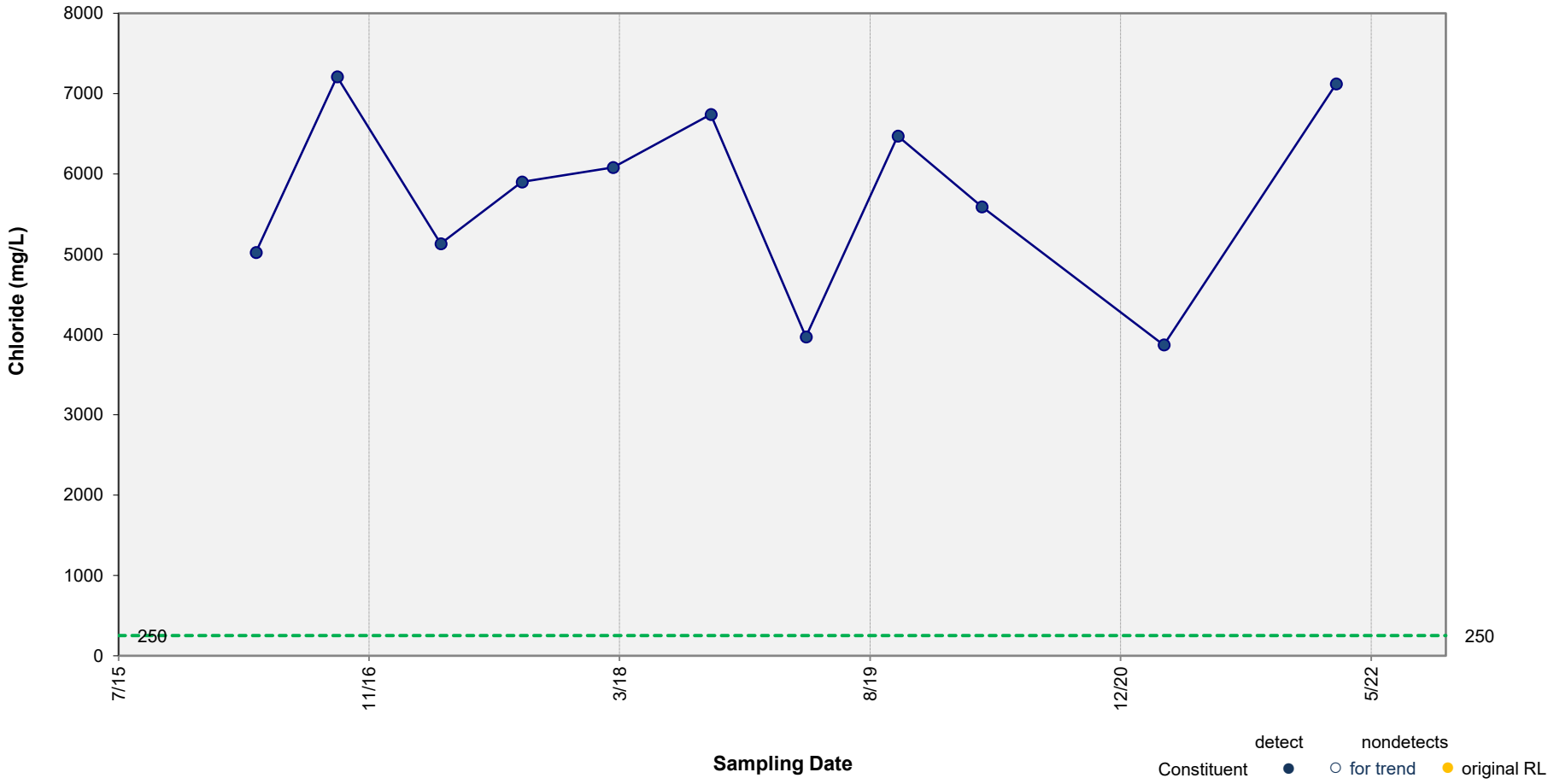
ARCADIS

Concentration vs. Time Plot - Chloride in MW-29

Eunice South

Figure G-13

MK Trends_MW-29_Chloride_HS



Results of Mann-Kendall Test for Trend: **Stable**

p value = 0.500 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

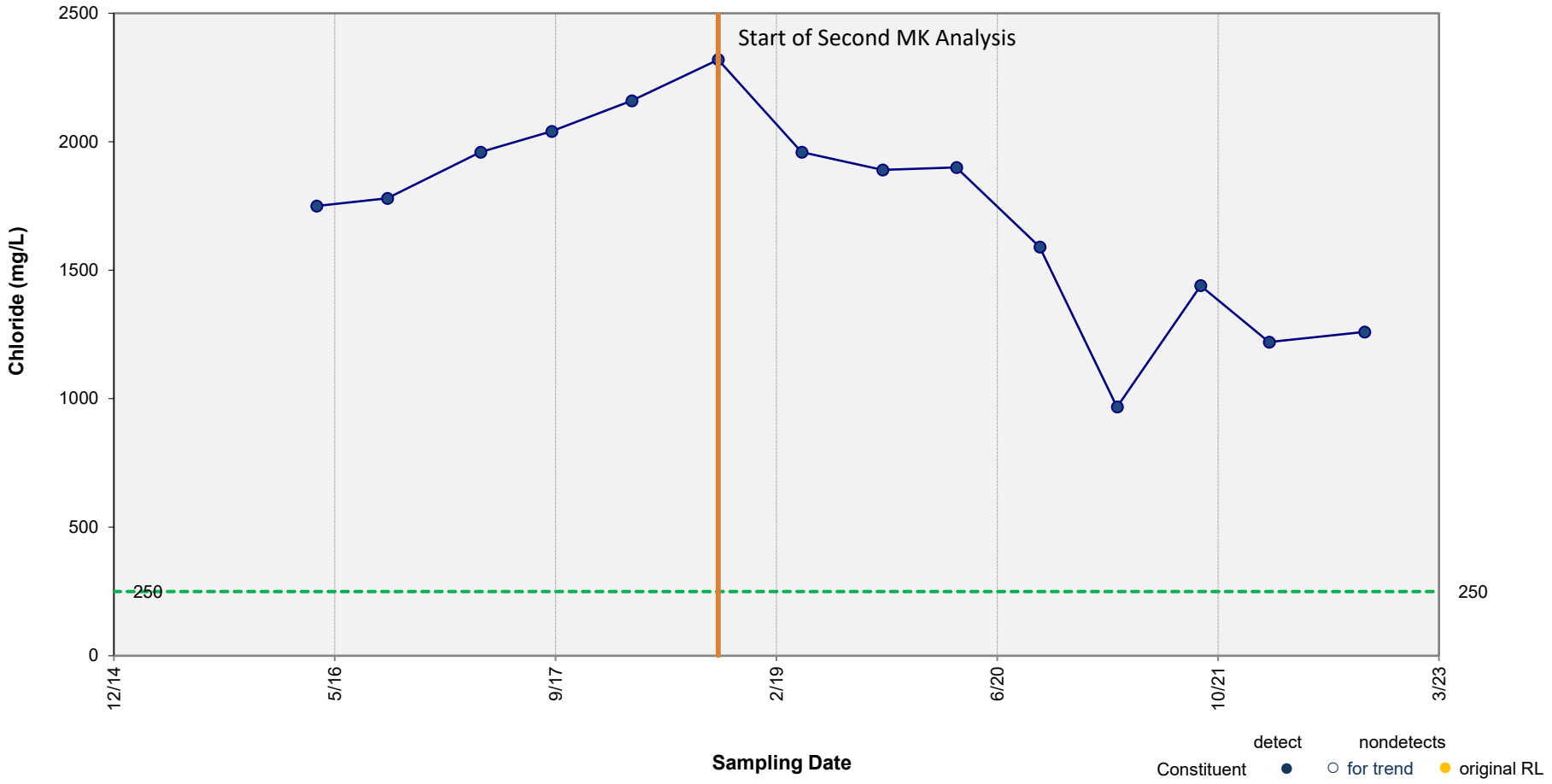
ARCADIS

Concentration vs. Time Plot - Chloride in MWD-7

Eunice South

Figure G-14

MK Trends_MWD-7_Chloride_HS



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

p value = 0.021 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

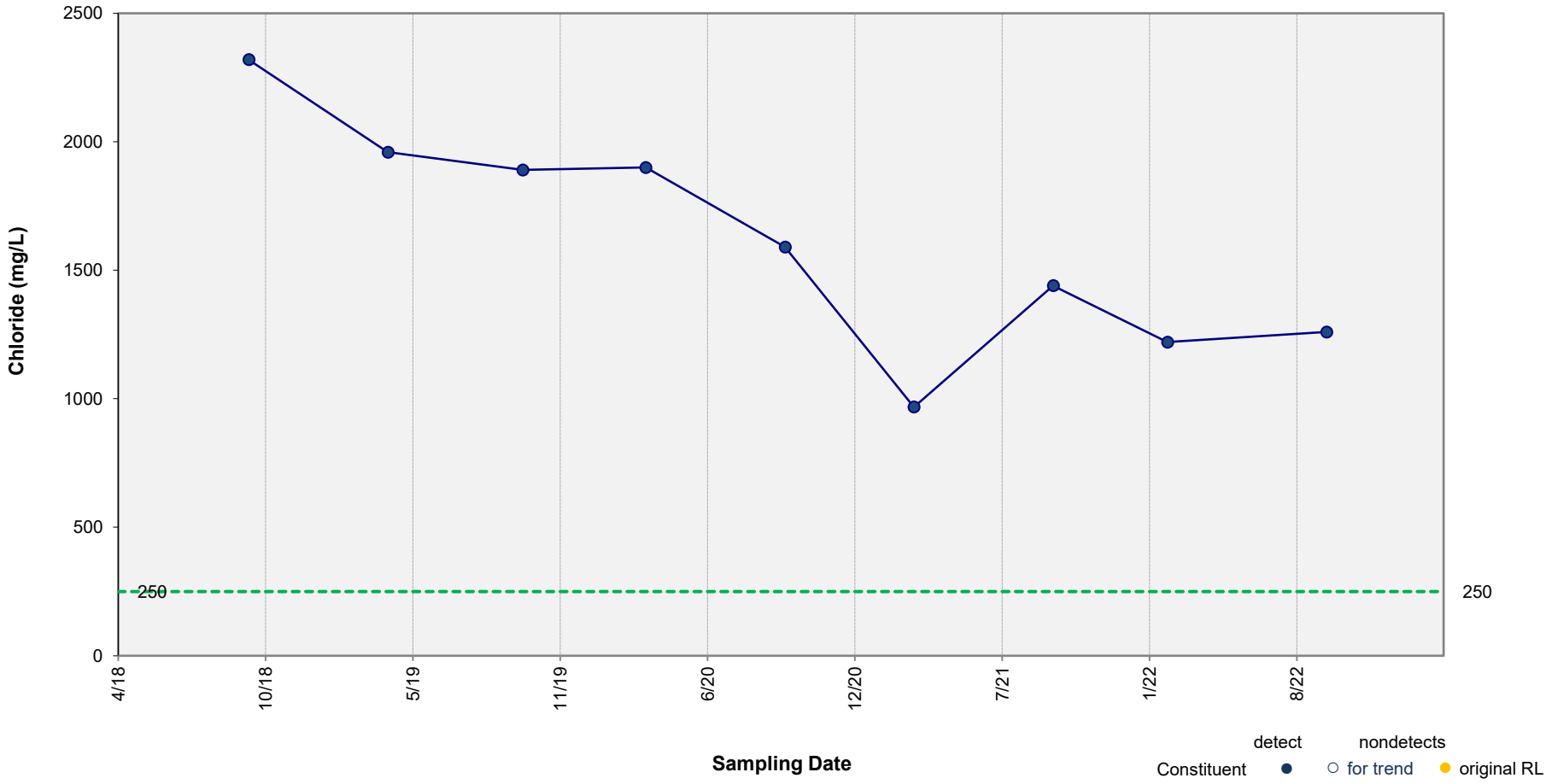
ARCADIS

Concentration vs. Time Plot - Chloride in MW-15

Eunice South

Figure G-15

MK Trends_MW-15_Chloride_HS



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

p value = 0.003 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

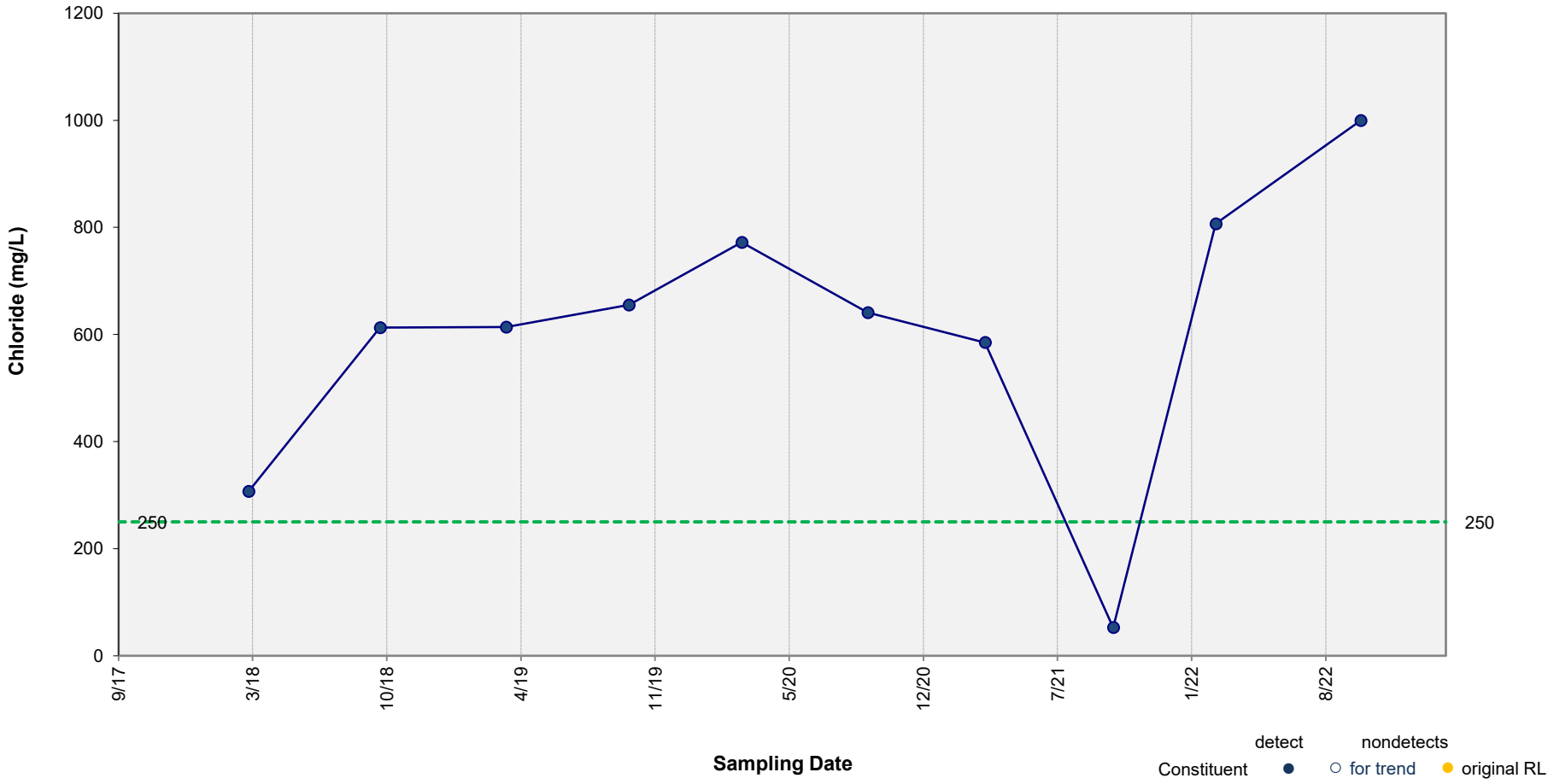
ARCADIS

Concentration vs. Time Plot - Chloride in MW-15

Eunice South

Figure G-16

MK Trends_MW-15_Chloride_HS1



Results of Mann-Kendall Test for Trend: **INCREASING TREND**

p value = 0.078 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

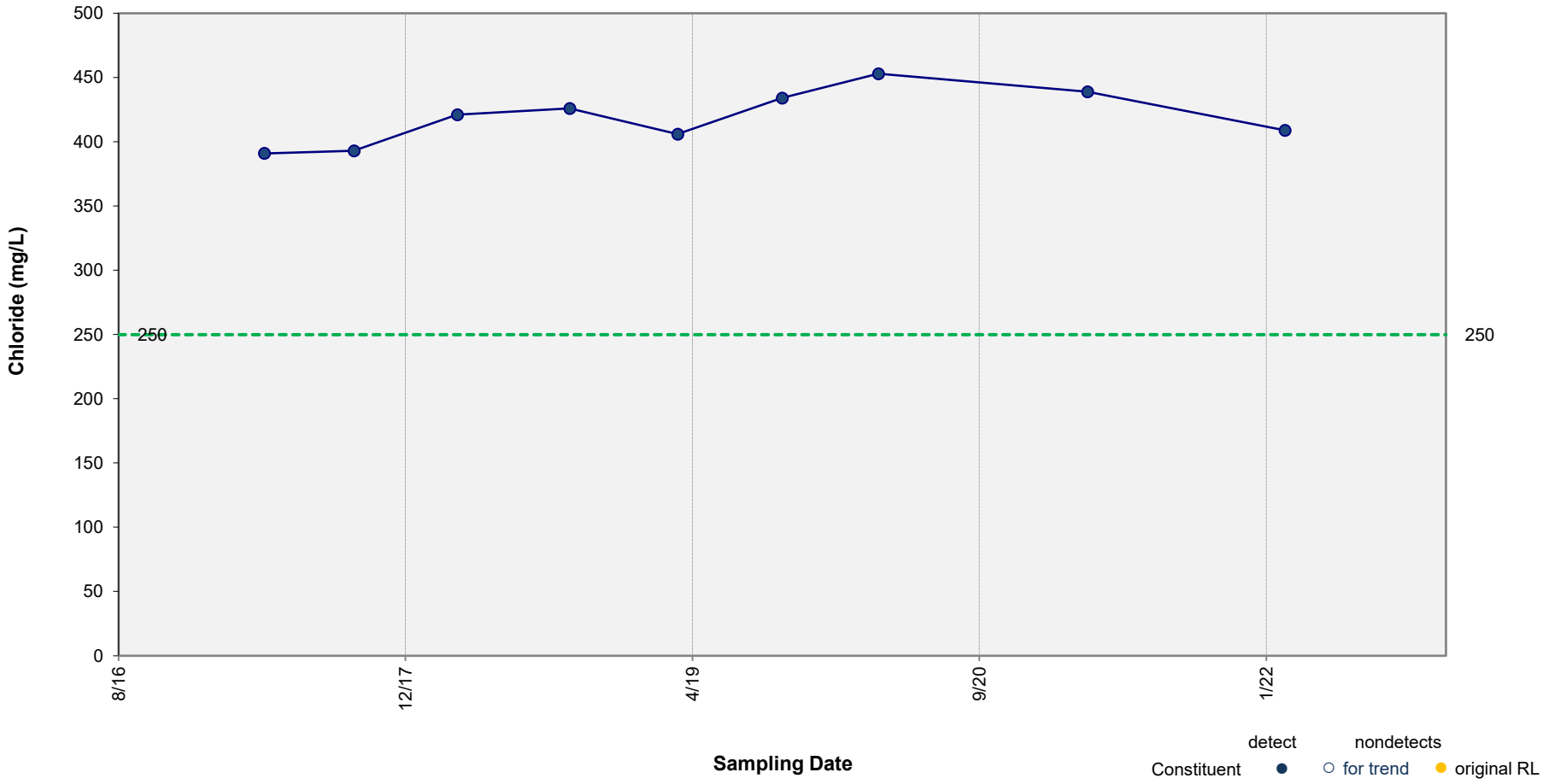
ARCADIS

Concentration vs. Time Plot - Chloride in MW-38

Eunice South

Figure G-17

MK Trends_MW-38_Chloride_HS



Results of Mann-Kendall Test for Trend: **INCREASING TREND**

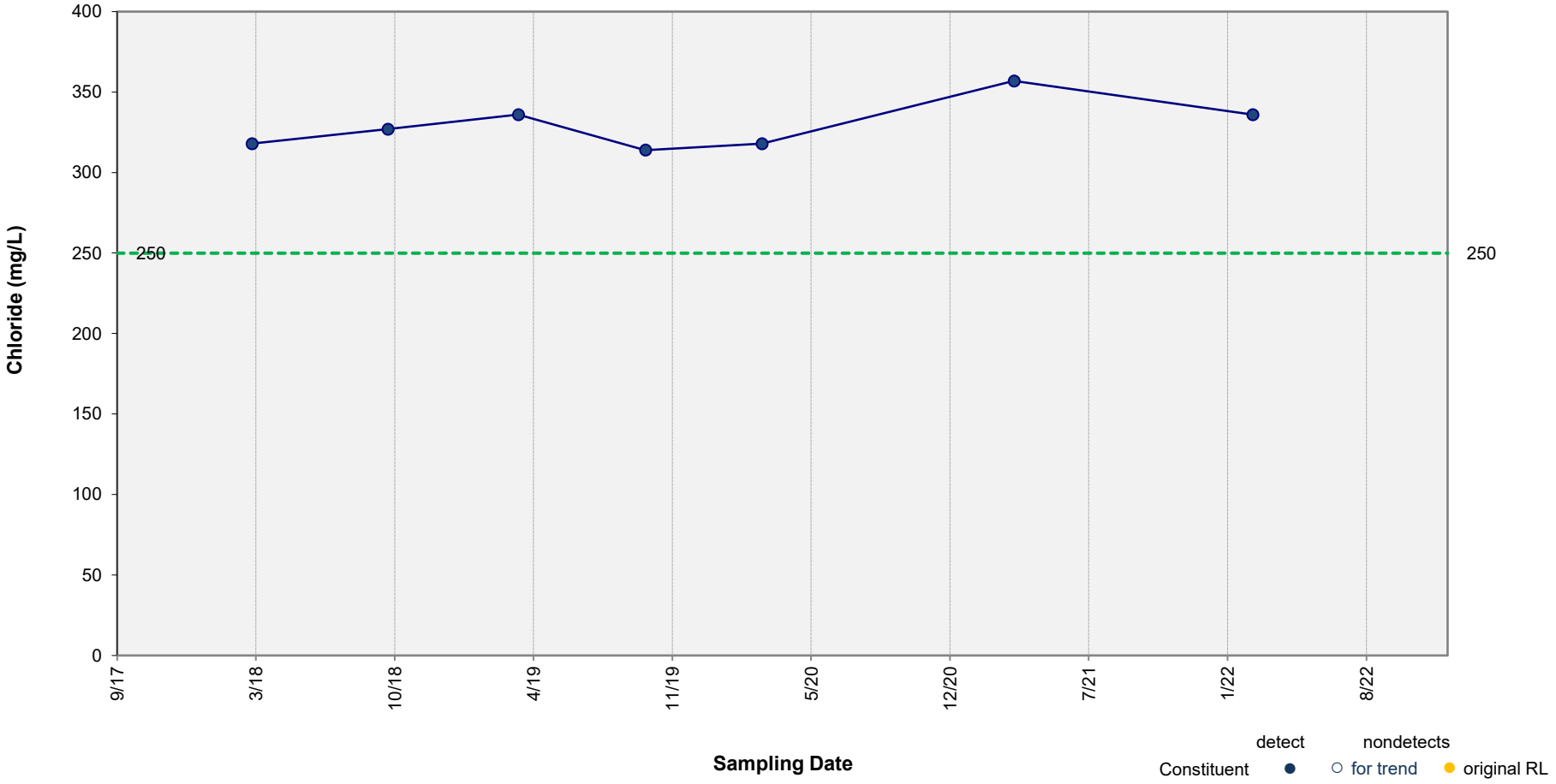
p value = 0.022 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

ARCADIS

Concentration vs. Time Plot - Chloride in MW-36

Eunice South

Figure G-18



Results of Mann-Kendall Test for Trend: **Stable**

p value = 0.191 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

ARCADIS

Concentration vs. Time Plot - Chloride in MW-37

Eunice South

Figure G-19

MK Trends_MW-37_Chloride_HS

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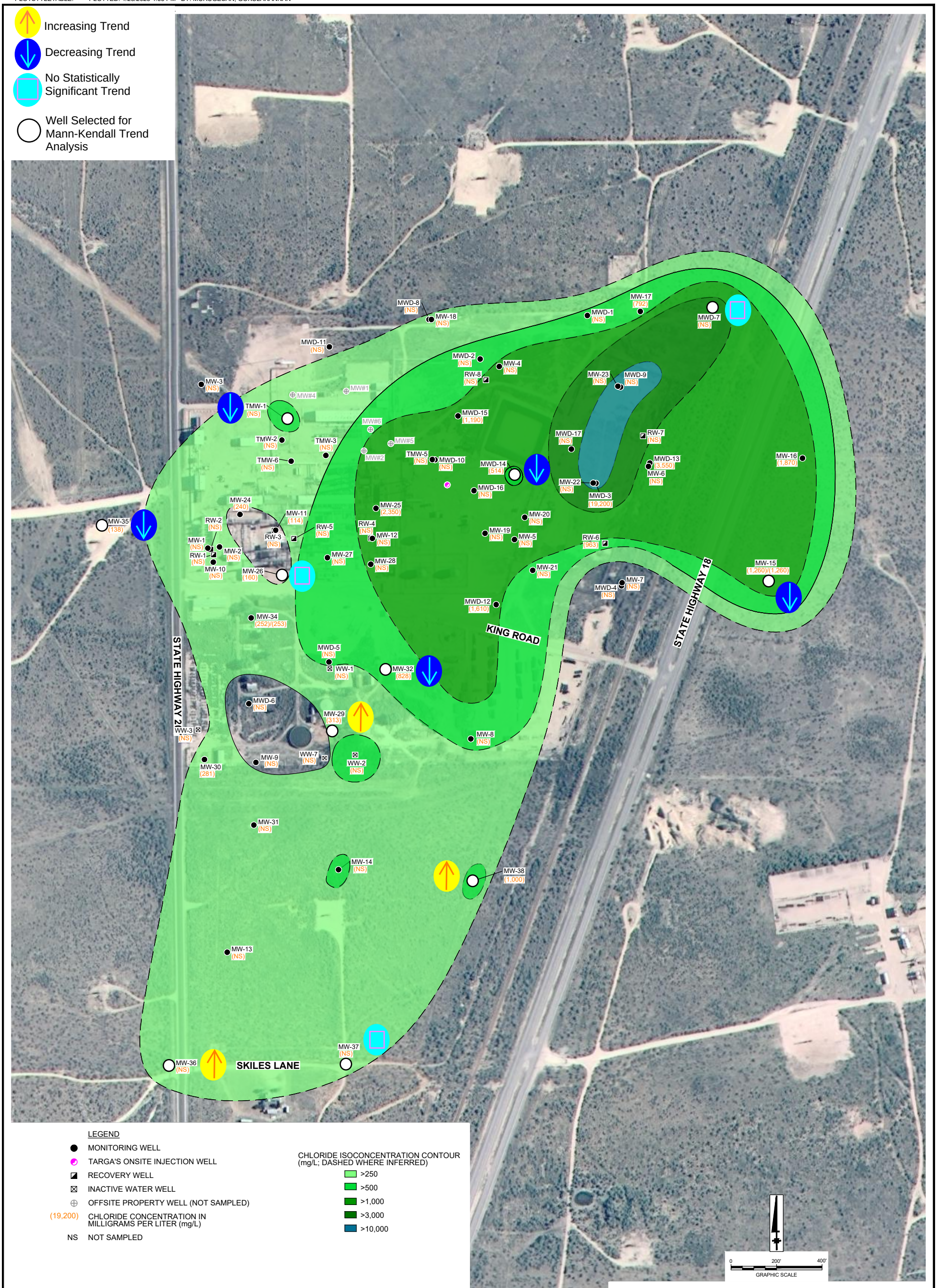

LEGEND

- MONITORING WELL
- TARGA'S ONSITE INJECTION WELL
- RECOVERY WELL
- INACTIVE WATER WELL
- OFFSITE PROPERTY WELL (NOT SAMPLED)
- (19,200) CHLORIDE CONCENTRATION IN MILLIGRAMS PER LITER (mg/L)
- NS NOT SAMPLED

CHLORIDE ISOCONCENTRATION CONTOUR (mg/L; DASHED WHERE INFERRED)

- >250
- >500
- >1,000
- >3,000
- >10,000

NOTES:

1. MAP PROJECTED TO NAD83 NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, FEET.
2. AERIAL IMAGERY PROVIDED BY USGS EARTH EXPLORER, ACCESSED APRIL 2016.
3. WELLS SURVEYED 1998, 2000, 2001, 2002, AND 2006 BY PIPER SURVEYING COMPANY. NAD27 NM S.P. EAST, FEET.
4. SITE FEATURES PROVIDED BY CRA.
5. WELLS SAMPLED SEPTEMBER 27-29, 2022
6. ONLY DATA POSTED IN FALL 2022 WERE POSTED. CONTOURS ARE BASED ON HISTORICAL DATA DATING BACK TO 2018 WHERE CURRENT DATA ARE NOT AVAILABLE.

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER EUNICE SOUTH GAS PLANT
EUNICE, LEA COUNTY, NEW MEXICO

CHLORIDE 2022 MANN-KENDALL TREND SUMMARY

ARCADIS

FIGURE
G-20

APPENDIX H

Bioventing and Natural Source Zone Depletion Memo

MEMO

ARCADIS Design & Consultancy for natural and built assets

To:
Jason Michelson, CEMC

Copies:
Madison Meissnest

Arcadis U.S., Inc.
630 Plaza Drive
Suite 100
Highlands Ranch
Colorado 80129
Tel 720 344 3500
Fax 720 344 3535

From:
Sonja Zabienski

Date:
March 2023

Arcadis Project No.:
30129293

Subject:

Bioventing and Natural Source Zone Depletion Evaluation Memo

Former Eunice South Gas Plant

Lea County, Eunice, New Mexico

Arcadis U.S., Inc. (Arcadis) prepared this Bioventing and Natural Source Zone Depletion Evaluation Memo on behalf of Chevron Environmental Management Company (CEMC) to present the results associated with bioventing operation and natural source zone depletion (NSZD) monitoring at the Former Eunice South Gas Plant (Site).

BIOVENTING OPERATION SUMMARY

Design Objectives and Approach

Bioventing is a remedial process in which oxygen is circulated through contaminated vadose zone soils via applied air flow for stimulation of microbial degradation of contaminants. Design of the bioventing system was based upon the following objectives:

- Achieve measurable light non-aqueous phase liquid (LNAPL) reduction at target wells using a cost-effective technology,
- Utilize mobile bioventing units for flexible use at wellheads, and
- Limit reliance on permanent infrastructure to the extent practicable (e.g., mobile power source).

Three mobile wellhead bioventing units were designed to accommodate simultaneous but independent operation at three individual wells. Wellhead units were designed to be transferable between wells as

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remediation progressed. Since wells with observed historic measurable LNAPL vary in diameter from 2-inch to 6-inch, bioventing units were designed with appropriate fittings to accommodate different well casing diameters. The bioventing units became operational in May 2017.

The bioventing units consist of a small blower connected to the wellhead to induce vacuum from the well. A 1/2-inch diameter vertical exhaust stack is connected to the pump outlet. Solar panels provide charge to one 12-volt battery per unit, which powers the pump. Because no additional power backup is supplied, the solar panels and battery have the capacity to allow for approximately six hours of operation per day with efficiency varying with the solar cycle in the area. The bioventing units do not operate when sufficient solar energy is not present.

Upon determination that bioventing has succeeded in remediation of LNAPL at the current locations, the units will be relocated to operate at additional wellhead locations within the Site. It is anticipated that relocations will be made approximately every three to six years. The bioventing units are currently located at MW-27, MW-28, and RW-2. The unit originally operating at MW-1 was moved to monitoring well MW-27 in July 2020 based on recommendations from the 2019 Annual Groundwater Monitoring Report (Arcadis 2020).

Permitting

While the intent of bioventing is to provide oxygen via circulation of air through the vadose zone at a rate that is supportive of biodegradation, rather than volatilization, it is possible that some volatilization may occur, and vapors may be extracted through the bioventing units at levels requiring an air permit. Therefore, regular emission measurements from the bioventing units have been collected since startup in 2017 based on grab air samples collected from each well and submitted for analysis by US Environmental Protection Agency (US EPA) Method TO-15. Exhaust flow rates are approximately 1 cubic foot per minute (CFM) from each unit. Constituents monitored include total petroleum hydrocarbons (gasoline range) along with the applicable US EPA Hazardous Air Pollutants and New Mexico Toxic Air Pollutants (TAP).

On December 21, 2018, a request for concurrence on a no permit required (NPR) designation was sent to New Mexico Environmental Department Air Quality Bureau (AQB) based on the combined bioventing emission rates since startup in 2017. Emission rates were calculated with a conservative operational assumption of 14 hours per day, 365 days per year even though actual operation is closer to six hours per day based on the limitations of the solar panels and battery to provide power to the system. Under this assumption, bioventing emissions have been below the 10 tons per year VOC maximum limit for an NPR designation. The AQB approved the NPR designation on March 12, 2019.

The following section summarizes additional monitoring details.

System Operation and Natural Source Zone Depletion Monitoring

Wellhead bioventing units were installed on wells with observed historic measurable LNAPL for individual well treatment. Wells MW-1, RW-2, and MW-28 were initially identified for bioventing. Performance monitoring data for the unit installed at MW-1 indicated that remedial objectives had been achieved at this well, making the bioventing unit available for installation elsewhere on site. On July 27, 2020, the unit operating at MW-1 was moved to monitoring well MW-27. On July 29, 2020, field parameters (VOCs, CO_2, H_2S, and O_2) were collected, recorded, and evaluated against existing bioventing operational data to confirm that emissions did not exceed New Mexico TAP standards. After the first month of operation, an effluent air sample was collected from well MW-27 on August 28, 2020 and was analyzed for US EPA Method TO-15 using a Summa canister. Following startup and continuous operation, field parameters

were collected at the new bioventing unit at MW-27 monthly for the first quarter, then quarterly thereafter. The two other bioventing units at existing locations were also monitored at this schedule. In 2022, effluent air samples were collected from wells MW-27 and RW-2 on September 30; MW-28 was sampled on October 14.

The calculated average total VOCs potential emissions rate was 5.6 tons per year (tpy) from September 2021 to October 2022. The calculated average total hazardous air pollutants emissions rate was 0.1 tpy for the same period. The results from the samples collected over the past year indicate that emissions did not exceed TAP standards (10 tpy) based on the conservative operational assumption of 14 hours per day, 365 days per year.

Well locations are presented in **Figure 1**. The following NSZD monitoring activities have been conducted to assess system operation and in-situ biodegradation at the Site:

- LNAPL baildown (transmissivity) testing
- Bioventing effluent vapor sampling at bioventing wells

LNAPL baildown testing has been conducted at wells containing LNAPL on an annual or biennial basis, depending on the location, to assess LNAPL transmissivity and the effectiveness of the system operation over time. LNAPL transmissivity was identified as a metric for system performance because it correlates to LNAPL recoverability and LNAPL saturation. In contrast, other potential metrics (like in-well thickness over time) are not well-correlated to recoverability or saturation. LNAPL transmissivity can track reductions in LNAPL saturation via mass removal or mass degradation in situ. The transmissivity results are used to assess the remedial effect of targeted efforts at higher-transmissivity wells and guide potential relocation of the bioventing systems to alternate wells once the desired saturation reductions have been reached at a specific well location. In 2022, the LNAPL baildown testing coincided with the fall semi-annual groundwater monitoring event.

Bioventing effluent air samples for analysis of VOCs and NSZD indicators were collected on a monthly basis, when possible, from the startup of the bioventing units in 2017 to 2019. Quarterly sampling was initiated in 2019 and continued into the third quarter of 2020. In 2021 and 2022, sampling was conducted on an annual basis, with field readings collected quarterly.

ANALYSIS

The section below provides further description and analysis of the NSZD monitoring activities.

LNAPL Transmissivity

LNAPL transmissivity represents the volumetric rate of LNAPL flow through a unit width of porous media per unit time under a hydraulic gradient, and is presented in units of area per time, such as square feet per day (ft^2/d). LNAPL transmissivity is well-suited for assessing LNAPL recoverability, inherently accounting for the combined effects of aquifer matrix permeability, LNAPL physical properties, and the relative proportion of pore space occupied by LNAPL within a specified vertical interval of aquifer material. LNAPL transmissivity values in the range of 0.1 to 0.8 ft^2/d are generally associated with the lower limits of practical hydraulic LNAPL recovery (ITRC 2009 and 2018), and several jurisdictions have adopted LNAPL transmissivity values within or below this range as an indication that LNAPL recovery to the extent practicable has been completed.

An ASTM International (ASTM) standard for LNAPL transmissivity measurement (ASTM E2856, 2013) provides standardized methods for LNAPL transmissivity measurement. The ASTM standard is intended to establish consistency between practitioners for field data collection and analysis procedures, facilitating wider adoption of LNAPL transmissivity as a metric for assessing practicality of LNAPL recovery. The Site activities conducted as part of this assessment were completed in accordance with the ASTM standard practices.

LNAPL Baildown Testing

LNAPL transmissivity was evaluated at the Site through analysis of LNAPL baildown tests at monitoring wells. LNAPL baildown tests are analogous to rising-head slug tests that are typically used to estimate the average hydraulic conductivity of saturated geologic formation materials proximal to the screened portion of a groundwater well under prevailing ambient test conditions. LNAPL is removed during a single event from the test well, in a relatively short period of time, and then fluid levels within the well are monitored to measure LNAPL recharge to the well and track LNAPL drawdown. LNAPL transmissivity values calculated from baildown testing are representative of the LNAPL transmissivity of the formation in the vicinity of the well being tested, under the conditions existing at the time of the test.

The LNAPL transmissivity values calculated from baildown test data were used to quantitatively characterize LNAPL transport conditions at the Site and to characterize LNAPL recoverability. Low LNAPL transmissivity values are indicative of conditions not conducive to practical hydraulic recovery. High LNAPL transmissivity values are indicative of higher LNAPL saturation and locally drainable/flowable LNAPL, and of locations ideal for bioventing in order to accelerate long-term reductions in LNAPL saturation and LNAPL mass.

Following the recommendation from 2019 to continue annual LNAPL baildown testing at wells with bioventing units and biennial LNAPL baildown testing at the remaining LNAPL wells (Arcadis 2020), testing was completed at the following wells in September 2022

September 30, 2022
MW-27
MW-28
RW-2

LNAPL transmissivity tests have been completed since 2016. Data from these tests are presented in **Tables 1 and 2** and **Figures 2 and 3**.

LNAPL baildown tests were analyzed using the API Transmissivity Workbook (API 2012) and in accordance with the recommendations of ASTM E-2856 (2013), using the Bouwer & Rice, Cooper & Jacob/Jacob & Lohmann, and Cooper-Bredhoeft-Papadopulos solutions contained within the API workbook.

Results

LNAPL transmissivity results are summarized in **Table 1**. LNAPL transmissivity values have remained relatively consistent over six transmissivity testing events from August 2016 to September 2021, while elevated values were observed at bioventing wells in 2022. Findings and conclusions from LNAPL transmissivity data include the following:

- Results for bioventing well MW-28 indicate an increase in LNAPL transmissivity from approximately 0.3 ft^2/d in 2021 to approximately 5.6 ft^2/d in 2022.
- Results for bioventing well MW-27 indicate a consistent LNAPL transmissivity value between 2021 (approximately 0.9 ft^2/d) and 2022 (approximately 1.3 ft^2/d).
- Results for bioventing well RW-2 indicate an increase in LNAPL transmissivity from 6.8 ft^2/d in 2020 (when this well was tested last) to 10.8 ft^2/d in 2022. Transmissivity results for bioventing well RW-2 ranged between 4.2 ft^2/d to 8.6 ft^2/d from 2016 to 2020 and appear relatively stable over multiple testing events.

These wells have historically contained measurable in-well LNAPL and the increase in transmissivity seen in 2022 does not necessarily imply large-scale migration or movement of the LNAPL body. The increased transmissivity values observed at bioventing wells may be the result of potential field errors during baildown testing at MW-28 in 2021. LNAPL transmissivity will continue to be monitored at the bioventing wells annually to assess changes in conditions and help determine if bioventing systems should be moved to alternate wells. Current values indicate that transmissivity remains above the ITRC lower limit of practical hydraulic LNAPL recovery (0.8 ft^2/day), and bioventing is still meaningful at these wells.

Bioventing Performance

As described in previous submittals, bioventing is a remedial process in which oxygen is circulated through contaminated vadose zone soils via applied air flow for stimulation of microbial degradation of contaminants. The system installation and startup processes are described below, along with results of performance monitoring conducted to date.

System Installation, Startup, and Operation

As discussed above, wellhead bioventing units were initially installed on wells MW-1, RW-2 and MW-28. The units ran intermittently through 2017 while troubleshooting was conducted, then consistently in 2018 and 2019 with limited unscheduled downtime for maintenance and repairs. The wellhead bioventing unit installed on well MW-1 was moved to MW-27 on July 27, 2020. Bioventing units ran through 2020 and 2021 with intermittent, unscheduled downtime for maintenance and repairs. The biovent at RW-2 was down during the second through fourth quarter monitoring events in 2021 due to battery issues that were resolved after installation of a new pump on April 19, 2022. In late 2022, a HOBO Motor On/Off Data Logger was installed on each of the three biovent systems to track system runtimes. At the end of September 2022, MW-28 was found inoperable during baildown testing. In mid-October, the pump on MW-28 was restarted temporarily for sample collection, however, the tracker relay indicated that the biovent unit on MW-28 was not running upon departure. The unit at RW-2 was not running upon arrival during the quarter 4 performance monitoring event. The bioventing operation at MW-28 and RW-2 will be troubleshot and restored in 2023

Performance Monitoring

The wellhead bioventing units are not intended to act like soil vapor extraction systems and remove total petroleum hydrocarbon mass; although TPH concentrations were measured during performance monitoring, the key performance indicators are CO_2, O_2, and temperature. Effluent gas monitoring was conducted to determine the volume of VOCs that have been removed and the rate of LNAPL degradation that has been achieved.

Effluent gas samples were collected from each bioventing unit for analysis of VOCs, total petroleum hydrocarbons (TPH), and CH_4, CO_2, oxygen and hydrogen sulfide. Gas samples were collected generally one to two hours after the bioventing systems started up. Grab samples were collected for measurement of CH_4, CO_2, oxygen and hydrogen sulfide in the field and summa canisters were sent to a laboratory for analytical testing of VOCs and TPH. The flow rate and measured concentration of CO_2 and CH_4 were used to calculate an emission rate in pounds per hour and tons per year (**Table 2**). When petroleum hydrocarbon molecules are converted to the end products of methane and carbon dioxide (CO_2 and CH_4 are both generated in anaerobic conditions, while only CO_2 is generated under aerobic conditions) each carbon atom will correspond to one molecule of either CO_2 or CH_4. Assuming a hydrocarbon compound of octane (C_8H_{18}), eight moles of CO_2 or CH_4 correspond to one mole of C_8H_{18}. Following this relationship and assuming an LNAPL density of 0.8 grams per mole (g/mol), the following approximate equivalents can be calculated:

- 1 pound per hour (lb/hr) of CH_4 is generated from 1.6 gallons per day (gal/day) of C_8H_{18}
- 1 lb/hr of CO_2 is generated from 0.58 gal/day of C_8H_{18}

The calculated depletion rates at MW-28 ranged from less than 0.1 gal/day to 8.0 gal/day since startup at this well in 2017; in 2022, the average depletion rate was approximately 1.7 gal/day. At RW-2, the rates since startup ranged from less than 0.1 gal/day to 5.0 gal/day; in 2022, the average depletion rate was approximately 1.4 gal/day. At MW-27, the rates since startup ranged from less than 0.1 gal/day to 4.2 gal/day with an average depletion rate of 1.3 gal/day in 2022. Using an average degradation rate for each well and the estimated runtimes, the total volume of LNAPL that has been degraded from startup through December 30, 2022 has been calculated as approximately 4,770 gallons based on measurement of CO_2 and CH_4 generation.

Biodegradation and Performance Summary

LNAPL transmissivity data indicate that LNAPL recoverability has remained relatively consistent at the bioventing locations. In 2022, transmissivity values increased, indicating that there is still potential for LNAPL recoverability at RW-2, MW-27, and MW-28. While it is expected to see decreases in LNAPL transmissivity at bioventing wells as LNAPL degradation progresses, it is likely that transmissivity values will continue to vary with fluctuating water levels but will follow a generally declining trend as LNAPL mass continues to biodegrade and LNAPL saturation is accordingly reduced.

Based on the bioventing air emissions tracking data reviewed above, bioventing is having an observable positive impact on LNAPL degradation rates at the Site relative to ambient conditions, with approximately 4,770 gallons of LNAPL degraded over the course of system operation through December 2022.

Following this evaluation, Arcadis recommends the following:

- Continued operation of bioventing systems at MW-27, MW-28, and RW-2 for further LNAPL degradation.
    - Quarterly collection of effluent field readings

  - Annual analytical gas sample collection in the third quarter of 2023
  - Re-evaluation of the systems using field and analytical results to determine if removal rates become asymptotic.
- Continued annual LNAPL baildown testing in 2023 at wells with bioventing units (MW-27, MW-28, and RW-2).
- Continued biennial LNAPL baildown testing at wells MW-1, MW-2, MW-10, MW-19, MW-20, MW-27, MW-28, RW-1, RW-2, and RW-4 in 2023.
- Potential relocation of the biovents will not be considered unless 2023 performance monitoring data indicates that hydrocarbon mass depletion is declining substantially below levels that could be achieved at other locations, or that transmissivity is below the lower limit of practical hydraulic LNAPL recovery and remedial objectives have been achieved.

Arcadis will provide CEMC an update on performance on an annual basis.

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FIGURES

Figure 1 Site Layout Map with Bioventing System Locations

Figure 2 LNAPL Transmissivity Results for MW-1, MW-2, MW-5, MW-19, MW-20, and MW-21

Figure 3 LNAPL Transmissivity Results for MW-27, MW-28, RW-1, RW-2, and RW-4

TABLES

Table 1 LNAPL Transmissivity Test Summary

Table 2 Bioventing Emissions Summary

FIGURES

CITY: SAN RAFAEL, CA DIV/GROUP: ENVCAD DB: J. HARRIS
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LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- TARGA'S ONSITE INJECTION WELL
- RECOVERY WELL
- INACTIVE WATER WELL
- OFFSITE PROPERTY WELL (NOT SAMPLED)
- BIOVENTING WELL

NOTES:

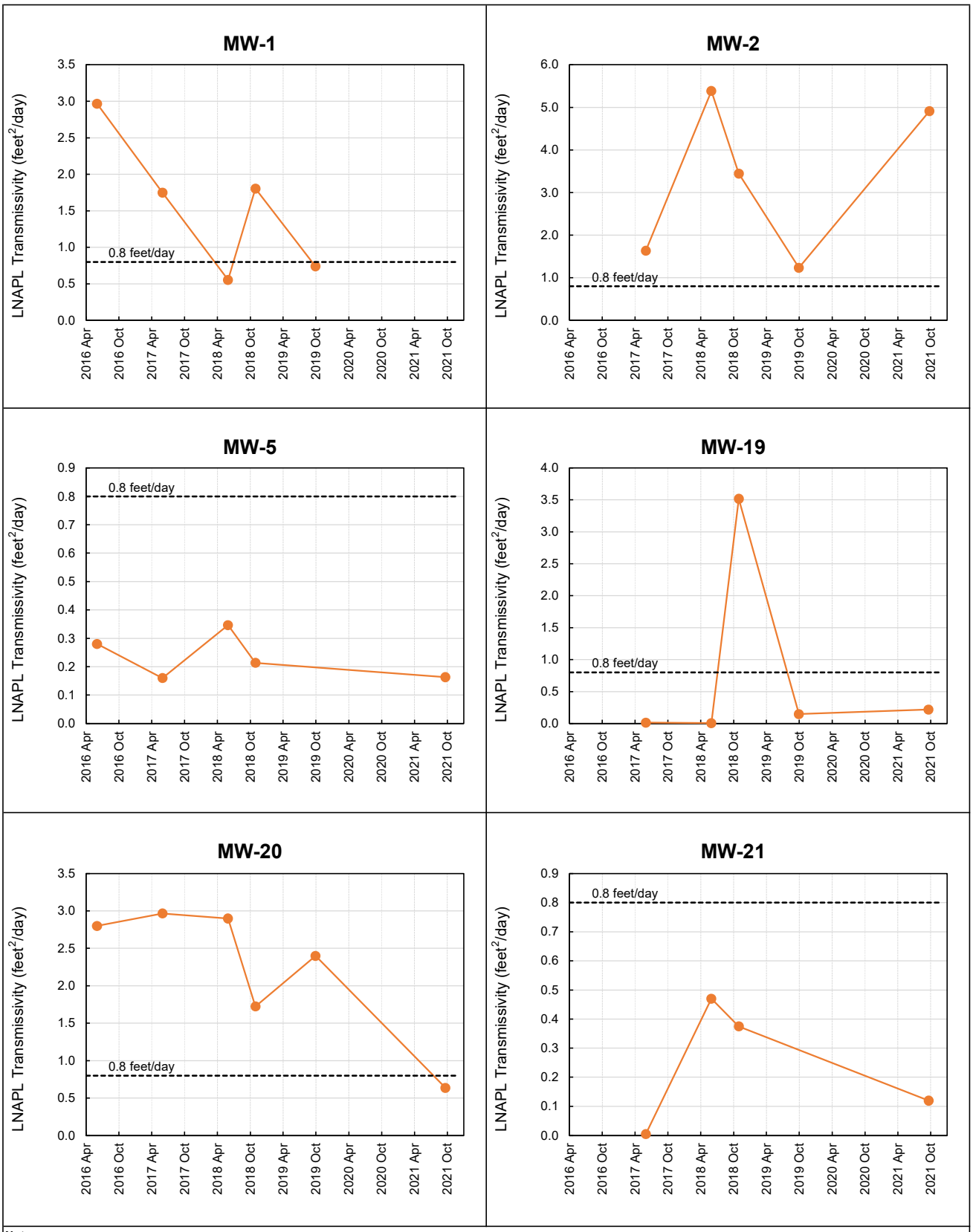
1. MAP PROJECTED TO NAD83 NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, FEET.
2. AERIAL IMAGERY PROVIDED BY USGS EARTH EXPLORER, ACCESSED APRIL 2016.
3. WELLS SURVEYED 1998, 2000, 2001, 2002, AND 2006 BY PIPER SURVEYING COMPANY. NAD27 NM S.P. EAST, FEET.
4. SITE FEATURES PROVIDED BY CRA.

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER EUNICE SOUTH GAS PLANT
EUNICE, LEA COUNTY, NEW MEXICO

SITE LAYOUT MAP WITH BIOVENTING SYSTEM LOCATIONS

ARCADIS Design & Consultancy for natural and built assets

FIGURE
1



Notes:

Plots were not developed for wells with three or less transmissivity test results.

● LNAPL Transmissivity (feet²/day)

- - - - 0.8 feet²/day is the lower limit of practical hydraulic LNAPL recovery

ARCADIS

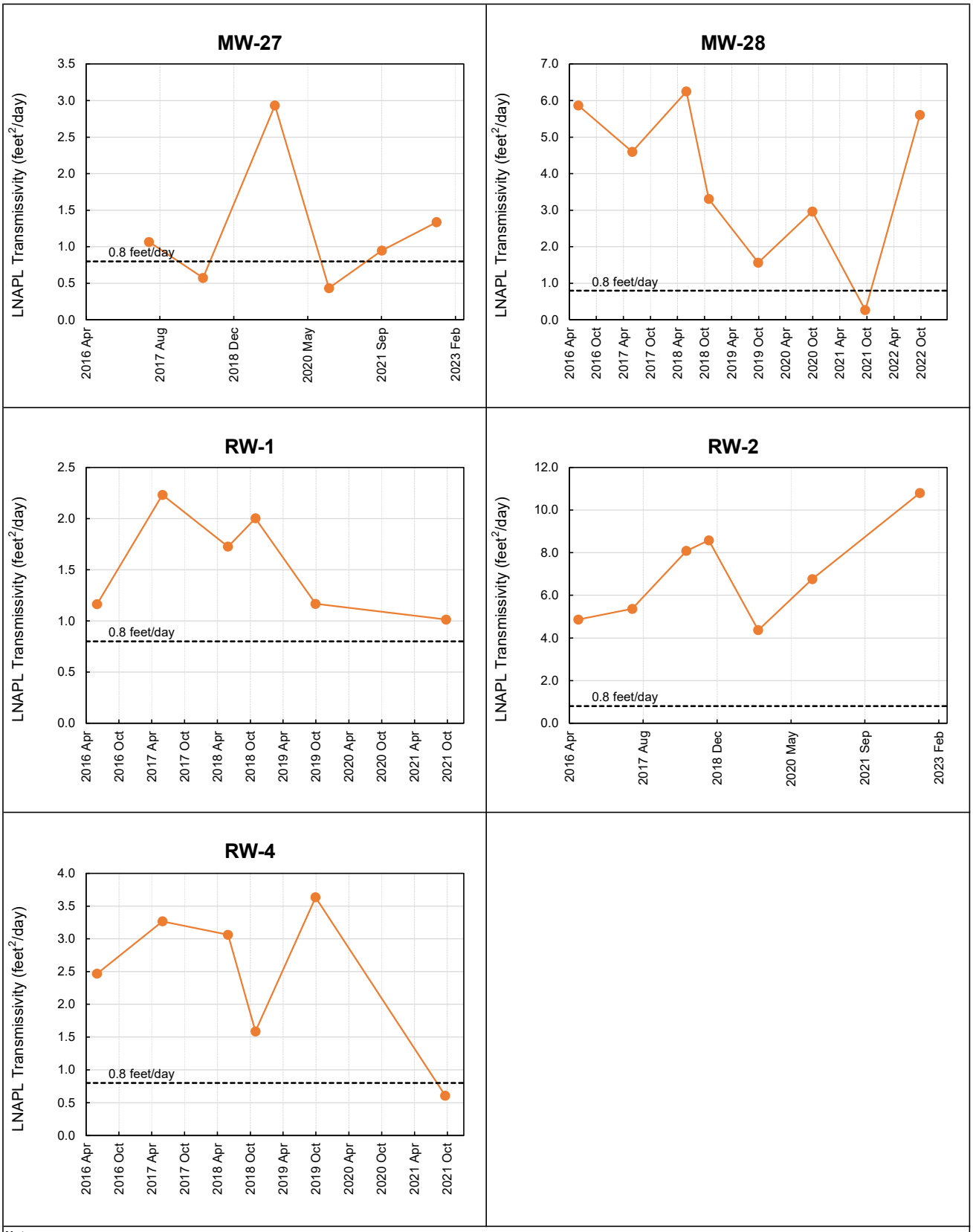
LNAPL Transmissivity Results for MW-1, MW-2, MW-5, MW-19, MW-20, and MW-21

Bioventing and Natural Source Zone Depletion Evaluation Memo

Former Eunice South Gas Plant, Lea County, Eunice, New Mexico

FIGURE

2



Notes:

Plots were not developed for wells with three or less transmissivity test results.

● LNAPL Transmissivity (feet²/day)

▬ ▬ 0.8 feet²/day is the lower limit of practical hydraulic LNAPL recovery

ARCADIS

LNAPL Transmissivity Results for MW-27, MW-28, RW-1, RW-2, and RW-4

Bioventing and Natural Source Zone Depletion Evaluation Memo

Former Eunice South Gas Plant, Lea County, Eunice, New Mexico

FIGURE

3

TABLES

Table 1
LNAPL Transmissivity Test Summary
Former Eunice South Gas Plant
Eunice, Lea County, New Mexico

ARCADIS Design & Consultancy for natural and built assets

Well ID	Test Date	Time Cut (minutes)	Initial LNAPL Thickness (feet)	Test Duration (minutes)	Final LNAPL Thickness (feet)	Percent Recovery	LNAPL Transmissivity (ft^2/day)									
							Bouwer and Rice	Cooper and Jacob/Jacob and Lohman	Cooper, Bredehoeft, and Papadopoulos	Arithmetic Mean	*2021 Arithmetic Mean* [b]	*2020 Arithmetic Mean* [b]	*2019 Arithmetic Mean* [b]	*2018 Arithmetic Mean* [b]	*2017 Arithmetic Mean* [b]	*2016 Arithmetic Mean* [b]
0 :	[D]													1.8	1.8	3.0
0 :	[D]										4.9		1.2	5.4	1.6	---
0 :	[D]															
0 :	[D]													---	---	---
0 :	[D]										1.3			1.4	---	---
0 :	[D]													3.5		---
0 :	[D]												2.4	2.9	3.0	2.8
0 :	[D]															---
0 :	[D]						1.0	1.2	1.9	1.3	0.95		2.9		1.1	---
0 :	[D]						3.8	6.5	6.6	5.6		3.0	1.6	6.2	4.6	5.9
5 :	[D]										1.0		1.2	1.7	2.2	1.2
5 :	[D]						10.6	9.7	12.2	10.8		6.8	4.4	8.1	5.4	4.9
5 :													3.6	3.1	3.3	2.5

Notes:

[D] ,Q DFFRUGDQFH ZLWK WKH ZRUN SODQ /1$3/ EDLOGRZQ WHVWLQJ ZDV QRW FRQGXFWHG

[E] 5HSRUWLQJ DULWKPHWLF PHDQ LQ IROORZLQJ WHFKQLFDO JXLGDQFH SUHYLRXVO\ UHSRUWHG JHRPHWULF PHDQ

Acronyms and Abbreviations:

bold YDOXHV JUHDWHU WKDQ WKH ,QWHUVWDWH 7HFKQRORJ\ 5HJXODWRU\ &RPPLVVLRQ ,75& >GD\@ UHFRPPHQGHG WKUHVKROG IRU SUDFWLFDO UHFRYHUDELOLW\ RI /1$3/ IW IWGD\ VTXDUH IRRW IHHW SHU GD\

/1$3/ OLJKW QRQDTXHRXV SKDVH OLTXLG

GDWD QRW DYDLODEOH

SHUFHQW

%LRYHQWLQJ 0HPR 7DEOH

Table 2
Bioventing Emissions Summary
Former Eunice South Gas Plant
Eunice, Lea County, New Mexico

ARCADIS Design & Consultancy for natural and built assets

Well ID	Date	Flow Rate	Temperature	CH_4				CO_2				Total Hydrocarbon Depletion Rate
				Field-Measured Concentration	Molecular Weight	Potential Emission Rate	Rate of Hydrocarbon Depletion	Concentration	Molecular Weight	Potential Emission Rate	Rate of Hydrocarbon Depletion	
		acfm	°F	ppmv	g/mol	lb/hr tpy	gal-LNAPL/day	ppmv	g/mol	lb/hr tpy	gal-LNAPL/day	gal-LNAPL/day
RW-2	5/22/2017	1.30	100.0	300,000	16.04	0.81 3.54	1.29	127,000	44.01	0.94 4.12	0.55	1.84
	5/23/2017	1.30	100.0	45,000	16.04	0.12 0.53	0.19	94,000	44.01	0.70 3.05	0.41	0.60
	5/25/2017	1.10	100.0	0	16.04	0.00 0.00	0.00	82,000	44.01	0.51 2.25	0.30	0.30
	7/11/2017	1.30	100.0	15,000	16.04	0.04 0.18	0.06	19,000	44.01	0.14 0.62	0.08	0.15
	7/31/2017	1.05	100.0	45,000	16.04	0.10 0.43	0.16	30,000	44.01	0.18 0.79	0.10	0.26
	8/31/2017	0.98	67.8	1,000,000	16.04	2.16 9.45	3.44	460,000	44.01	2.72 11.92	1.59	5.03
	10/31/2017	1.26	51.6	55,000	16.04	0.16 0.69	0.25	146,000	44.01	1.15 5.02	0.67	0.92
	2/12/2018	0.91	37.4	50,000	16.04	0.11 0.47	0.17	133,000	44.01	0.78 3.40	0.45	0.62
	3/8/2018	0.14	51.6	45,000	16.04	0.01 0.06	0.02	136,000	44.01	0.12 0.52	0.07	0.09
	4/5/2018	1.05	53.4	0	16.04	0.00 0.00	0.00	23,000	44.01	0.15 0.66	0.09	0.09
	4/30/2018	0.98	64.2	30,000	16.04	0.07 0.29	0.10	154,000	44.01	0.92 4.02	0.53	0.64
	5/30/2018	1.12	53.6	0	16.04	0.00 0.00	0.00	127,000	44.01	0.88 3.87	0.51	0.51
	6/29/2018	1.05	66.0	30,000	16.04	0.07 0.30	0.11	151,000	44.01	0.96 4.21	0.56	0.67
	8/8/2018	0.98	66.0	0	16.04	0.00 0.00	0.00	73,000	44.01	0.43 1.90	0.25	0.25
	8/31/2018	1.05	67.8	31,000	16.04	0.07 0.31	0.11	209,000	44.01	1.33 5.80	0.77	0.89
	10/1/2018	0.84	69.6	33,000	16.04	0.06 0.27	0.10	1,000	44.01	0.01 0.02	0.00	0.10
	11/1/2018	0.42	49.8	10,260	16.04	0.01 0.04	0.02	0	44.01	0.00 0.00	0.00	0.02
	12/3/2018	0.01	44.4	5,744	16.04	0.00 0.00	0.00	230	44.01	0.00 0.00	0.00	0.00
	12/28/2018	0.00	29.8	--	--	-- --	--	0	44.01	0.00 0.00	0.00	0.00
	4/30/2019	1.02	51.8	--	--	-- --	--	270,000	44.01	1.71 7.47	0.99	0.99
	5/30/2019	1.05	62.0	42,500	16.04	0.10 0.43	0.16	80,000	44.01	0.51 2.25	0.30	0.46
	6/28/2019	1.02	69.6	--	--	-- --	--	10,000	44.01	0.06 0.27	0.04	0.04
	7/31/2019	0.98	64.2	50,000	16.04	0.11 0.48	0.17	200,000	44.01	1.19 5.22	0.69	0.87
	8/29/2019	1.05	64.2	50,000	16.04	0.12 0.51	0.19	220,000	44.01	1.40 6.15	0.82	1.00
	10/10/2019	0.98	42.6	--	--	-- --	--	650,000	44.01	4.04 17.69	2.35	2.35
	12/30/2019	0.98	44.4	810,000	16.04	2.08 9.09	3.31	460,000	44.01	3.23 14.16	1.89	5.20
	2/28/2020	0.98	43.1	--	--	-- --	--	0	44.01	0.00 0.00	0.00	0.00
	4/2/2020	0.91	51.6	990,000	16.04	2.32 10.17	3.71	18	44.01	0.00 0.00	0.00	3.71
	4/30/2020	0.25	46.9	990,000	16.04	0.63 2.76	1.01	49	44.01	0.00 0.00	0.00	1.01
	6/30/2020	0.84	62.4	--	--	-- --	--	0	44.01	0.00 0.00	0.00	0.00
	7/29/2020	0.77	60.0	--	--	-- --	--	1,000,000	44.01	5.36 23.48	3.12	3.12
	8/28/2020	0.63	59.3	--	--	-- --	--	40,000	44.01	0.18 0.77	0.10	0.10
	9/28/2020	1.05	40.6	--	--	-- --	--	410,000	44.01	3.11 13.63	1.81	1.81
	3/30/2021	0.53	83.4	--	--	-- --	--	10,000	44.01	0.03 0.13	0.02	0.02
	6/30/2022	0.50	62.2	17,000	16.04	0.02 0.08	0.03	3,000	44.01	0.01 0.04	0.01	0.04
	9/30/2022	0.70	55.2	542,000	16.04	0.86 3.75	1.37	101,000	44.01	0.44 1.92	0.26	1.63
MW-27	7/29/2020	0.77	61.1	--	--	-- --	--	250,000	44.01	1.34 5.87	0.78	0.78
	8/28/2020	1.03	60.4	--	--	-- --	--	160,000	44.01	1.15 5.03	0.67	0.67
	3/30/2021	0.91	98.6	--	--	-- --	--	40,000	44.01	0.21 0.91	0.12	0.12
	6/29/2021	1.02	63.5	--	--	-- --	--	499	44.01	0.00 0.01	0.00	0.00
	9/28/2021	0.98	61.1	--	--	-- --	--	1,200,000	44.01	7.19 31.50	4.19	4.19
	12/15/2021	0.91	46.2	--	--	-- --	--	0	44.01	0.00 0.00	0.00	0.00
	3/30/2022	0.90	46.3	13,000	16.04	0.03 0.12	0.04	1,000	44.01	0.01 0.02	0.00	0.05
	6/30/2022	0.90	64.2	628,000	16.04	1.25 5.49	2.00	2,000	44.01	0.01 0.05	0.01	2.01
	9/30/2022	0.10	55.2	260,000	16.04	0.06 0.26	0.10	3,000	44.01	0.00 0.01	0.00	0.10
MW-28	5/22/2017	1.30	100.0	325,000	16.04	0.88 3.84	1.40	43,000	44.01	0.32 1.39	0.19	1.58
	5/23/2017	1.20	100.0	75,000	16.04	0.19 0.82	0.30	16,000	44.01	0.11 0.48	0.06	0.36
	7/11/2017	1.00	100.0	30,000	16.04	0.06 0.27	0.10	1,000	44.01	0.01 0.02	0.00	0.10
	8/31/2017	1.05	66.0	710,000	16.04	1.65 7.21	2.63	120,000	44.01	0.76 3.34	0.45	3.07
	10/31/2017	1.12	48.0	0	16.04	0.00 0.00	0.00	9,000	44.01	0.06 0.28	0.04	0.04
	2/12/2018	1.05	33.8	5,000	16.04	0.01 0.05	0.02	0	44.01	0.00 0.00	0.00	0.02
	3/8/2018	0.98	48.0	0	16.04	0.00 0.00	0.00	130,000	44.01	0.80 3.50	0.47	0.47
	4/5/2018	0.98	57.0	0	16.04	0.00 0.00	0.00	10,000	44.01	0.06 0.26	0.04	0.04
	4/30/2018	0.91	66.0	15,000	16.04	0.03 0.13	0.05	7,000	44.01	0.04 0.17	0.02	0.07
	5/30/2018	1.05	55.0	45,000	16.04	0.11 0.47	0.17	67,000	44.01	0.44 1.91	0.25	0.42
	6/29/2018	0.98	66.0	10,000	16.04	0.02 0.09	0.03	12,000	44.01	0.07 0.31	0.04	0.08
	8/8/2018	0.98	66.0	0	16.04	0.00 0.00	0.00	17,000	44.01	0.10 0.44	0.06	0.06
	8/31/2018	1.05	67.8	10,000	16.04	0.02 0.10	0.04	14,000	44.01	0.09 0.39	0.05	0.09
	10/1/2018	1.12	67.8	13,000	16.04	0.03 0.14	0.05	0	44.01	0.00 0.00	0.00	0.05
	11/1/2018	2.80	51.6	1,922	16.04	0.01 0.05	0.02	80,000	44.01	1.40 6.11	0.81	0.83
	12/3/2018	0.98	45.6	4,901	16.04	0.01 0.05	0.02	120	44.01	0.00 0.00	0.00	0.02
	12/28/2018	0.98	30.5	--	--	-- --	--	0	44.01	0.00 0.00	0.00	0.00
	4/30/2019	1.05	73.2	--	--	-- --	--	80,000	44.01	0.50 2.20	0.29	0.29
	5/28/2019	1.12	62.4	50,000	16.04	0.12 0.55	0.20	0	44.01	0.00 0.00	0.00	0.20
	6/28/2019	1.12	67.1	--	--	-- --	--	440,000	44.01	2.98 13.05	1.74	1.74
	7/31/2019	1.12	66.0	50,000	16.04	0.12 0.54	0.20	590,000	44.01	4.00 17.54	2.33	2.53
	8/29/2019	1.33	56.0	50,000	16.04	0.15 0.66	0.24	520,000	44.01	4.27 18.71	2.49	2.73
	10/10/2019	1.12	43.8	--	--	-- --	--	350,000	44.01	2.48 10.86	1.45	1.45
	12/30/2019	0.63	44.4	850,000	16.04	1.40 6.13	2.23	2,500,000	44.01	11.30 49.48	6.59	8.82
	2/28/2020	0.84	43.7	50,000	16.04	0.11 0.48	0.18	0	44.01	0.00 0.00	0.00	0.18
	4/2/2020	0.42	55.2	990,000	16.04	1.06 4.66	1.70	--	--	-- --	--	1.70
	4/30/2020	0.26	52.5	990,000	16.04	0.67 2.93	1.07	--	--	-- --	--	1.07
	6/30/2020	0.77	62.4	--	--	-- --	--	10,000	44.01	0.05 0.23	0.03	0.03
	7/29/2020	0.91	62.7	--	--	-- --	--	1,000,000	44.01	6.30 27.59	3.67	3.67
	8/28/2020	0.91	60.2	--	--	-- --	--	80,000	44.01	0.51 2.22	0.30	0.30
	9/28/2020	0.98	43.3	--	--	-- --	--	20,000	44.01	0.14 0.62	0.08	0.08
	3/30/2021	0.88	106.5	--	--	-- --	--	60,000	44.01	0.30 1.29	0.17	0.17
	6/29/2021	0.91	69.6	--	--	-- --	--	499	44.01	0.00 0.01	0.00	0.00
	9/28/2021	0.88	60.0	--	--	-- --	--	489,000	44.01	2.62 11.49	1.53	1.53
	3/30/2022	1.00	42.6	855,000	16.04	1.98 8.66	3.15	60,000	44.01	0.38 1.67	0.22	3.38
	6/30/2022	0.10	60.6	88,000	16.04	0.02 0.09	0.03	0	44.01	0.00 0.00	0.00	0.03
	10/14/2022	0.90	58.8	0	16.04	0.00 0.00	0.00	56,000	44.01	0.31 1.36	0.18	0.18

Notes:
-- = Data was not collected
acfm = actual cubic-foot per meter
CH_4 = methane
CO_2 = carbon dioxide
°F = degrees Fahrenheit
gal-LNAPL/day = gallons of light non-aqueous phase liquid per day
g/mol = grams per mole
ppmv = parts per million by volume
tpy = tons per year

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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 201940

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 201940
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Review of 2022 Annual GW Monitoring Report: Content satisfactory 1. Accepted for the record. Please refer to OCD approved Stage 2 Abatement Plan under application ID 157671 for most updated information. 2. Submit the Annual Groundwater Monitoring Report to OCD no later than April 1, 2024.	4/10/2023